

**WINCOM PLUS
INSTALLER MANUAL**

Code: 94882I Edition: October 2004.

This technical document of an informative nature is published by FERMAX ELECTRONICA S.A.E. The company reserves the right to modify features of the products referred to herein at any time and with no prior notice. Any such changes shall be reflected in subsequent editions of the same.

ENGLISH

CE

INDEX

INTRODUCTION	5
STARTUP AND OPERATION	6
FILES	
NEW INSTALLATION	10
MAIN SCREEN	12
APPLICATION CONFIGURATION	15
BLOCK	19
Create Blocks	19
Load Blocks	21
Delete Blocks	23
Add Components	24
Delete Components.....	25
ACCESSES	26
Create Accesses.....	26
Modify/Delete Accesses.....	30
RESTRICTIONS	31
ZONES	32
Create Zones.....	35
Modify/Delete Zones.....	36
AREAS	37
Create Areas.....	38
Modify/Delete Areas.....	39
TIMETABLES	40
Create TimeTables	41
Modify/Delete TimeTables	42
HOLIDAYS	43
Create Holidays Days and Periods.....	44
Modify/Delete Holidays Days and Periods...	45
TRADE TIME	46
Trade Time Activation	47
PROFILES	48
Screen Profiles	48
Create Profiles	50
Modify/Delete Profiles	51
USERS	52
New user	53
Modify/Delete users.....	59
User Search	61

ADVANCED USER MANAGEMENT	62
User Management (Users).....	64
User Query (Users?)	66
Tools.....	67
Export-Import users	68
Insert Users	71
Assign User Numbers.....	72
Assign User Profile.....	73
Transfer Users	74
Repetitions.....	75
User Memory	76
User Finder	77
Quick View	79
INCIDENCE REGISTER	81
Incidence Selection.....	82
Editing Messages.....	83
Incidence Registering Management and Operation	85
Advanced Incidence Registering.....	89
Incidence Report	91
EXPORT	92
RELAYS	93
Create/Define relay Groups	94
Relay Query	96
Modify/Delete Relay Groups	98
Relay Annex : Fire Prevention	99
SENSORS	100
Sensor Group Types	101
Create/Define Sensor Groups	103
Sensor Check	115
SCHEDULER	117
LIFT CONTROL	120
Create/Define Licences.....	121
Create/Define Lifts.....	123
Create/Define Timings.....	126
CENTRAL UNITS TEST	128
DATA UPDATING	129
MDS INSTALLATION TEST	132
CONTROL PANEL	136

WINCOM PLUS

The WinCom Plus MDS PC application allows the programming of an MDS system. The application is designed to be able to define everything from the simplest of installations (door entry system with central unit) to more complex systems (several central units in network with access control, lift control, scheduler).

Application users will enjoy specific user privileges, depending on their login access. In addition, they will be shown the information needed to program the system, depending on the type of installation defined.

As well as programming the installation, (set of central units) the application can receive incidence from it, define alert messages on screen, run a complete test of the whole installation (all devices in the system), carry out modifications, insertions, and deletion of users individually, i. e. without having to send the whole list of users to the system, a complete management of all users of an installation (import / export users via EXCEL file , searches, ...), locate which zone the installation user are in at any given time, and insert users quickly by proximity card reader. Moreover, these transactions can be carried out via modem.

Minimum Requirements

To be able to run the application, the following requisites must be met:

Requirement	Minimum	Recommended
Equipment	IBM or PC compatible PIII.	IBM PC or compatible PIV or higher
Operating System	W98/WXP	W2000
RAM Memory	*64 Mb	*512 Mb
Port	**1 Serial RS-232	**2 Serial RS-232
Hard Disk	64 Mb free space	64 Mb free space

* In W98 operating systems, in order to use all the application functions you will need at least 512 Mb of available RAM. This is because the memory management of the operating system is very limited in W98, being much more optimised in W2000. In the latter, you can run the application with only 64 Mb (available for the application, although 512 Mb is recommended). With Windows XP, you must use WXP Professional.

** Insertion of users by proximity card may be from a different port to the system communications.

You will need the Remote Access PC (ref.2338) with its corresponding connection cable, for communication between the PC and the MDS installation.

OPERATION

The application is designed so that different users can have access, indicating their login and password so that the system allows them to enter, giving certain user options depending on their access level (installer-operator). If the cancel button is pressed, or the login is not validated at the third attempt, the system will close down automatically.



Entry as installer :

Login: system
Password: fermax

Entry as Operator/User:

Login: guest
Password: g

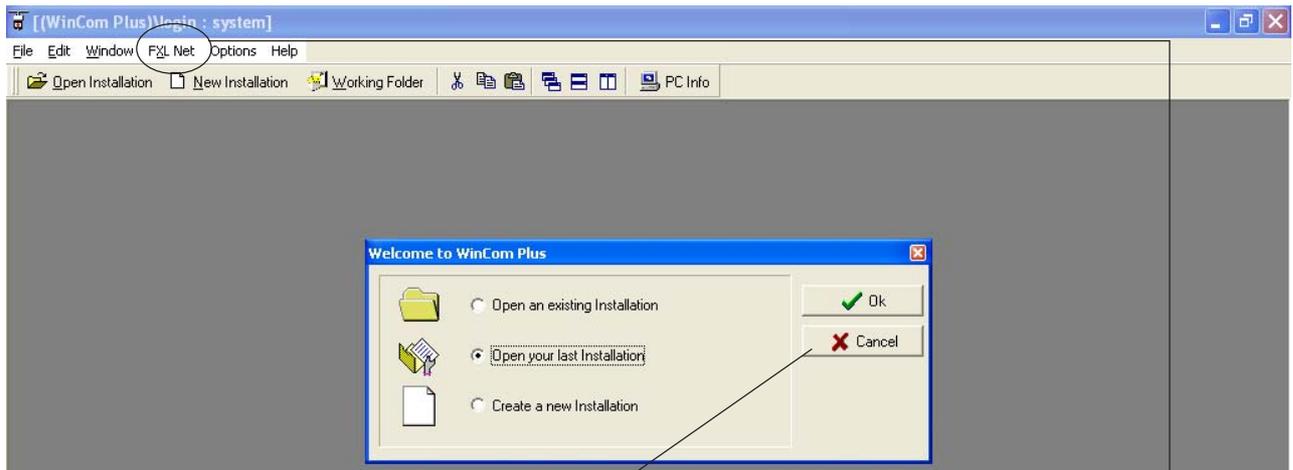
The system installer is the person permitted to create an installation and configure the different components: Access Users, Profiles, Relays, Sensors ...

The operator/user is the person who can manage the users (create, modify and delete users) and the incidence register of the installation created by the installer.

Application Configuration

Before creating an installation, select the **connection ports** between the PC and the system and configure the **language** of the Wincom Plus application.

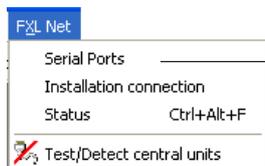
To configure the language and connection ports, start up the Wincom Plus program. This screen comes up:



Click the "Cancel" button to shut the window.

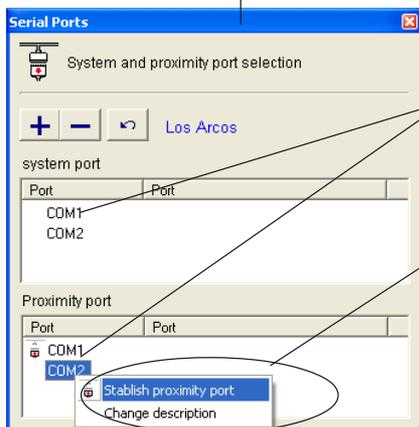
Click on the "FXL Network" menu situated in the menu bar to access the connection ports configuration. Once the ports are configured, click on the "Options" menu to access the language configuration:

Connection Ports



The  icon indicates the current connection port.

Two types of ports may be configured; one for connection between the PC and the MDS installation (central unit), and another link for the proximity reader (for card programming).



In both cases, you can select the connection port:

From the corresponding window (depending on how do you want to define the connection port; for the installation or for the reader), select the connection port by clicking on it.

Click the right mouse button. The drop down menu appears.

Select "Establish system/proximity port".

The  icon appears in the port selected.

For further information on how to add/delete ports, and other setup options, please consult the Application Configuration File.

Language

¡¡IMPORTANT!!

Before creating an Installation, the working language must be defined.

Any installation created in one language cannot later be used in another one.



Select the language and click "OK".

You must close the application in order to update the language change.

When the application opens again, it appears in the language selected previously.

Now you can create the installation. See New Installation File

Application Passwords

During the creation of an MDS installation, the program requires a series of passwords in order to be able to carry out the different data reading and writing operations in the installation's Central Unit/s:



There are two different passwords; one **general**, which is entered every time a password is requested, and another **private**, which is only used in the Incidence Register (See Incidents Register File): These passwords can be changed by the installer (see Control Panel Screen >>Codes).

General System Password: **ferma**
 Incidents Register Password: **51968**

QUICK GUIDE TO CREATION OF AN DIGITAL CONTROLLER INSTALLATION

Below are details (in text and graphics) of the steps to take to create a generic MDS-DIGITAL CONTROLLER Access Control Installation:

In this manual, every step to create an installation has its corresponding file, to which reference will be made in each step.

1) The different components of the installation (Central Units, Accesses, Decoders, Panels ...) must be properly installed and coded (Units, Panels, Accesses).

Now, using the Wincom Plus program, the installation is created and defined, along with all its components.

2) Create the Installation: An installation file containing all the information needed to start up our MDS system. See New Installation File.

3) Create the Blocks: Each Block corresponds to and represents a Central Unit in the installation, so there will be one Block per Central Unit (Block = Central Unit). The different components are defined in each Block of the application: Zones, User, Profiles, Relays ...
See Blocks File.

4) Define Restrictions: If you wish to carry out an access control depending on the (zone) of the building a user has access to, or to limit access during a certain time slot, restrictions must be defined; first, "Space" and second, "Time". See Restrictions File:

4.1.- Space:

4.1.1.- Define Accesses: Define each of the accesses in the Installation (each acces corresponds to an installed reader), with its corresponding Access number and configure the different parameters. See Accesses File.

4.1.2.- Define Zones: Create the different zones defined for the building where you want to restrict user access, assigning the accesses corresponding to each zone. See Zones File.

4.1.3.- Define Areas: An Area is composed of one or several Zones and lets you create combinations of Zones to restrict user access to each of these Zones. Create the Areas (at least one, if space restriction is desired, with its corresponding Zone or Zones). See Areas File.

4.2.- Time:

4.2.1.- Define Times : Define each time slot during which you wish to restrict user access to a given zone or area (the Times may also be associated with an Access or User). See Time File.

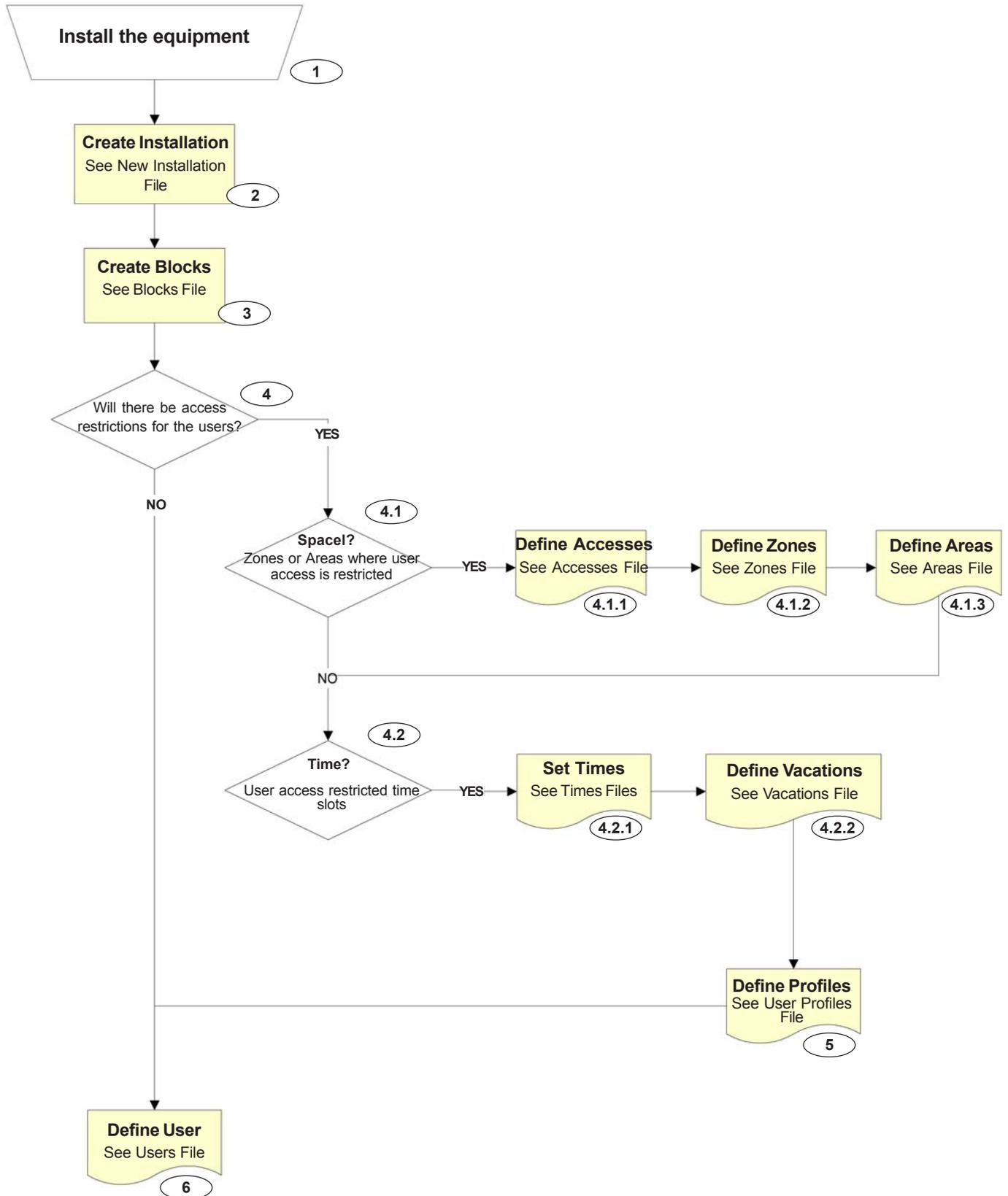
4.2.1.- Define Vacations: Vacation and holiday periods may be defined, during which all users (except for super users, See Profiles File) have restricted access to any Zone or Area. See Vacations File.

5) Create User Profiles: Profiles are assigned to each user and define the space and temporal permission a user has (user profiles set the same restrictions to a groups of users). Profiles are made up from the combination of an Area and a Time slot. See Profiles File.

6) Create Users: Create the different users of an installation. See Users File.

*The MDS-DIGITAL CONTROLLER system lets you carry out **automation of devices and alarms management, via Relays and Sensors, Lift Control, Incidence Control ...**, all configurable and programmable by means of the WINCOM PLUS program. Consult the Relays/ Sensors/ Planner/ Lift Control / Incidence Register File, as well as the rest of the manual, for further information.*

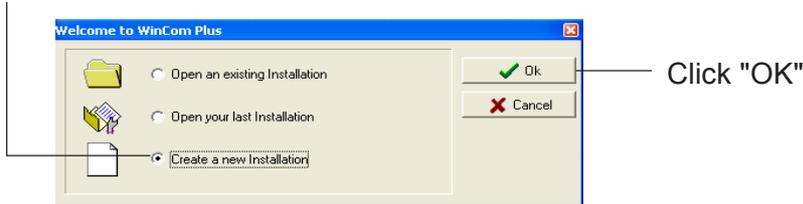
**CONFIGURATION AND STARTUP STEPS FOR AN DIGITAL CONTROLLER
ACCESS CONTROL INSTALLATION**



New INSTALLATION File

To create a new installation:

Select "Create a new installation" on the screen that appears when the programs boots up.



... or press the  **New Installation** button on the Main Screen tool bar.

In both cases, the "Creation Wizard" screen appears:



To start, click on "Create a new installation".
The help screen comes up, and lets you select the name of the installation, work directory, connection mode and connection port between PC and installation.

Click on "Cancel" to exit the wizard.

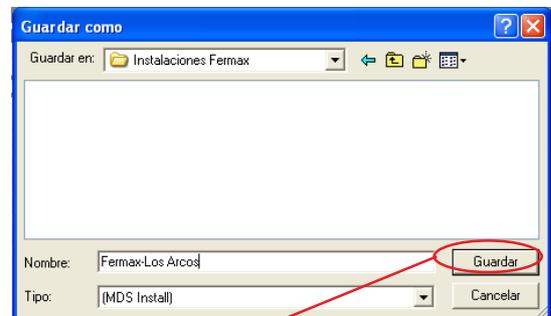


Click on the icon to select the working directory and name of the installation.



Press to exit assistant

Press to go back to previous screen



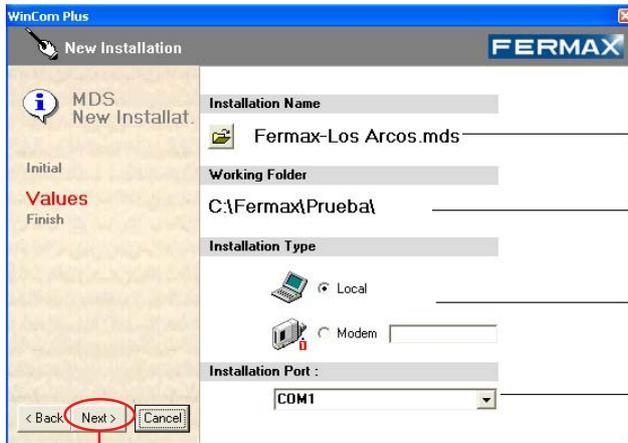
Once the data are entered, press "Save" to save the data and return to the previous screen.

Remark



It is advisable to create a different working directory for each installation.

The assistant screen shows the data saved:



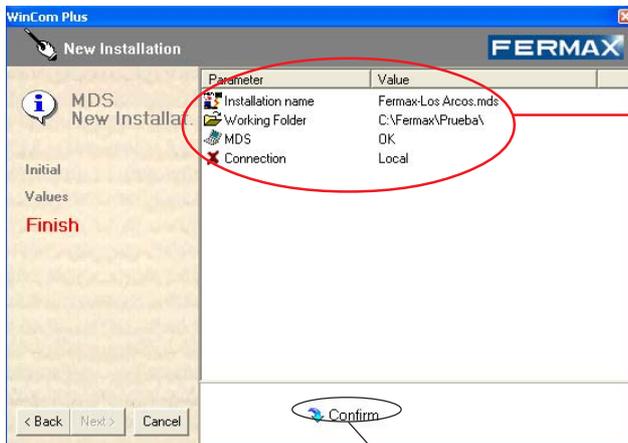
Installation name.

Working directory selected

*Select the connection mode with the installation.
(If selecting modem, introduce the telephone n°).*

*Select the connection port with the installation
from the drop down list.*

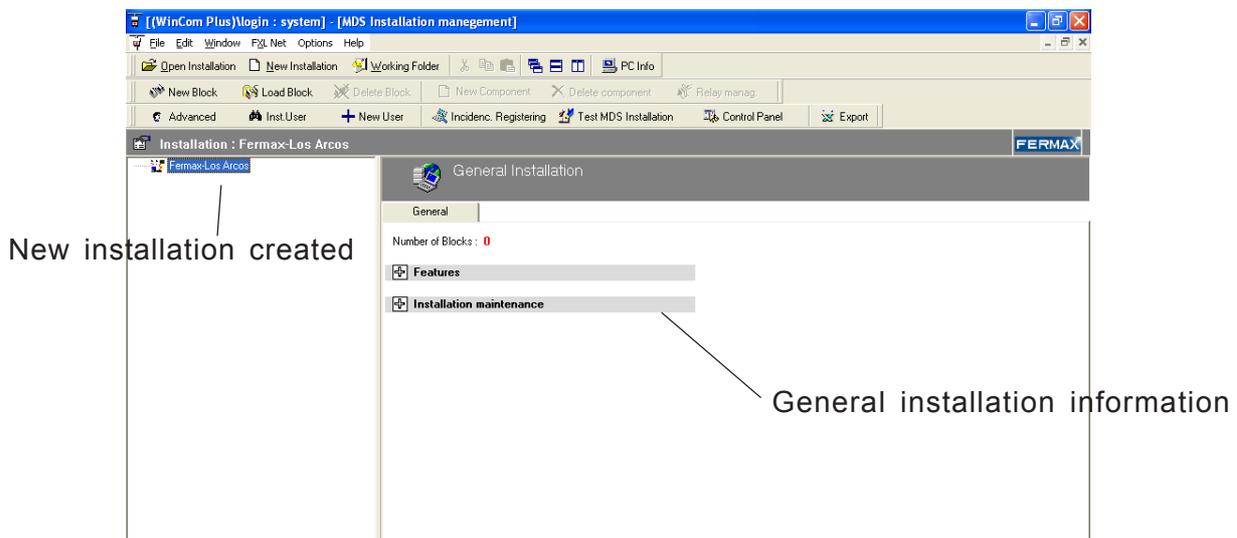
Once the data are entered in this screen, click **Next >** to move on to the next screen:



You can see a summary of the the parameters indicated previously.

If the data are not correct or you wish to change any, click **< Back** to go back to previous screens.

If the data are correct, click "Confirm". A new installation is created, showing the main management screen of the installation (See Main Screen File):



Remark



To configure the connection type and add new ports, consult the Application Configuration File.

System Administration MAIN SCREEN File

The Wincom Plus program Main Screen is structured in 3 logically differentiated parts (Menus and Function buttons, Installation Information Screen and Component Information screen), which will enable us to manage and consult the different installation parameters and components.

Menus
Toolbars

Installation Information Screen:

On the left part of the main screen, we find information about the Components making up the installation: Blocks, Accesses, Users..., allowing each of them immediate access by clicking on the corresponding element.

Clicking on the boxes, the tree branches are expanded

```

graph TD
    Root[Fermax-Los Arcos] --> Block1[Block1]
    Root --> Accesses[Accesses]
    Root --> LiftControl[Lift Control]
    Root --> Restrictions[Restrictions]
    Root --> Profiles[Profiles]
    Root --> Users[Users]
    Root --> Holidays[Holidays]
    Root --> Trades[Trades]
    
```

"Component" Main Screen

On the right-hand side of the main screen, we find information about the Component selected on the Installation Information Screen (left-hand side). The information shown depends on the Component selected.

to show the different Components making up the installation (See Component Types and Blocks File).

This means if we select the Accesses component by clicking on it on the left side of the screen, information appears on the right about the accesses there are in the installation.

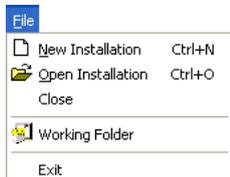
Accesses	Type	Description	Secondary Access
1	Proximity	Principal Door	
2	Proximity	Garage Access	

Double click on this screen, or select the "Edit data" option from the drop down menu with the right mouse button, to access the management screens of the selected component, where you can create, modify or delete the selected component.

Menus

With the following tabs:

* **File:** File Edit Window FXL Net Options Help



You can Create a new installation (See New Installation File), Open an existing installation, Close the installation, change the Work Directory or Exit the system.

Click "File" and select the corresponding option.

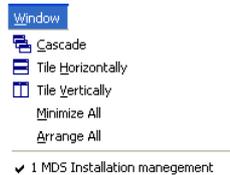
* **Edit:**



The usual options of Copy, Cut or Paste text are available.

These options are only active when we enter text in the different fields to fill in to create or configure Components.

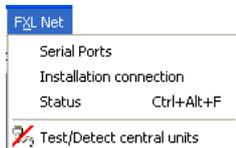
* **Windows**



Lets you change the view of the different windows: Cascade, Horizontal to header, Vertical to header Maximised and Minimised.

If more than one installation is open, you can move from one installation to another by selecting the corresponding installation (1 Gestión de instalación MDS) in the windows menu.

* **FXL-Network:**



In this section you can control the communication parameters between the application and the system.

Click on "FXL-Network" and select the corresponding option:

Serial Ports

This option lets you modify the communication port with the system and the PC proximity reader port (insertion of users by card). To modify the ports, consult the Application Configuration File.

Installation connection

Lets you modify the installation connection, which may be local or via modem (See Application Configuration File).

Status

Lets you show the network status and configure the communication protocol. This option must not be modified by the application user without the corresponding technical assistance from Fermax.

Test/Detect central units

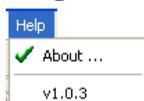
Opens the Central Units Test screen (See Central Units Test File).

* **Options:**



Lets you configure a series of parameters of the application and language (See Application Configuration File).

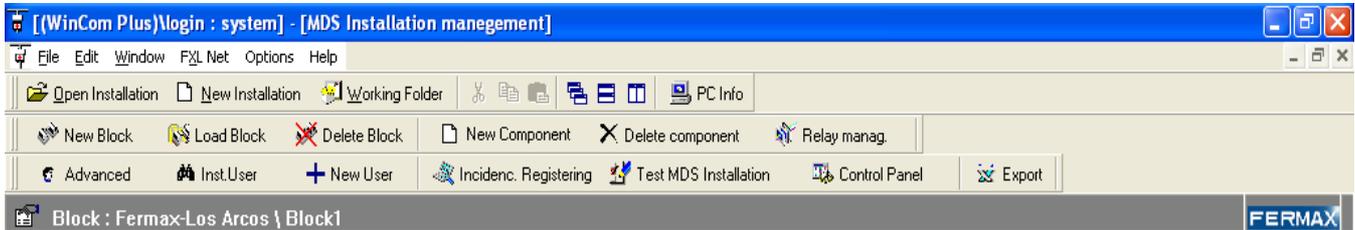
* **Help:**



Shows information on the application version, for future updates, and links to the website: www.fermax.com.

Toolbar buttons

The function of each of the Buttons on the Toolbars is listed below.



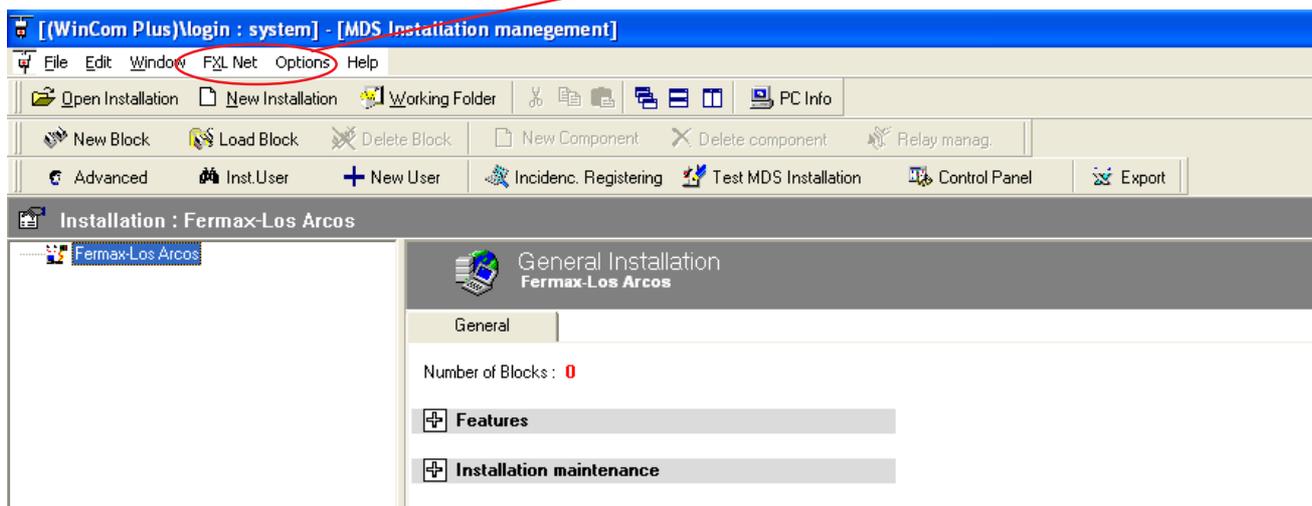
	To open an existing installation.
	To create a new installation (See New Installation File).
	Lets you select or change the working directory where the installation files are kept.
	Change the window viewer mode: cascade, horizontal or vertical by clicking on the corresponding icon.
	Shows a screen with information on the PC configuration.
	Lets you create a new Block. (See Blocks File>>Create Block).
	Lets you load a Block from another existing installation. (See Blocks File>>Load Block).
	To delete an existing Block from the installation. (See Blocks File>>Delete Block).
	Lets you create a new component for the selected Block. (See Blocks File>>New Component).
	Lets you delete a component from the selected Block. (See Blocks File>>Delete Component).
	Shows the Relay Management screen. (See Relay Management File).
	Shows Advanced User screen. (See Advanced User Management File).
	Lets you search for a user defined in the installation. (See Users File>>User Search).
	Lets you add a new user to the installation. (See Users File>>Add Users).
	Shows the Incidence Registering screen. (See Incidence Registering File).
	Displays the MDS Installation Test screen, which lets you test the different elements making up the installation. (See MDS Installation Test File).
	Shows the Control Panel screen, letting you handle different aspects of the application. (See Control Panel File).
	Shows the Export screen, to export the different data on the installation (users, accesses ...) to Excel tables. (See Export File).

APPLICATION CONFIGURATION File

The different options can be used to configure a series of parameters of the Wincom Plus application, such as the language, connection port, connection system (local or modem)...

These parameters have a pre-set configuration that may be modified at any time.

To access the different configurable parameters, click on "FXL Net" and "Options" on the Main Screen Menu Bar.



Options

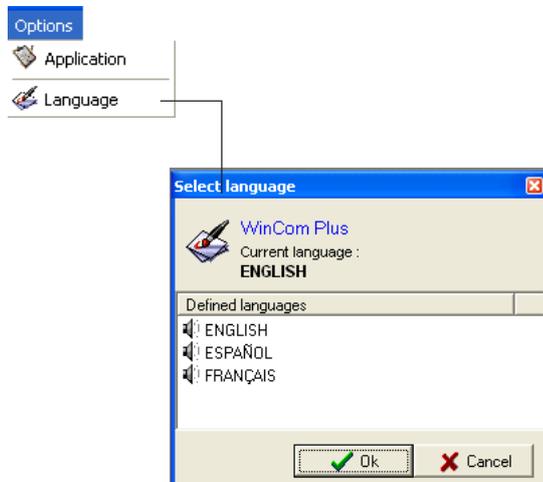
Lets you configure the Language and a set of general options for the application.

Language

IMPORTANT!!

Before creating an Installation, the working language must be defined.

Any installation created in one language cannot be used later in another language.



Select language and click "OK".

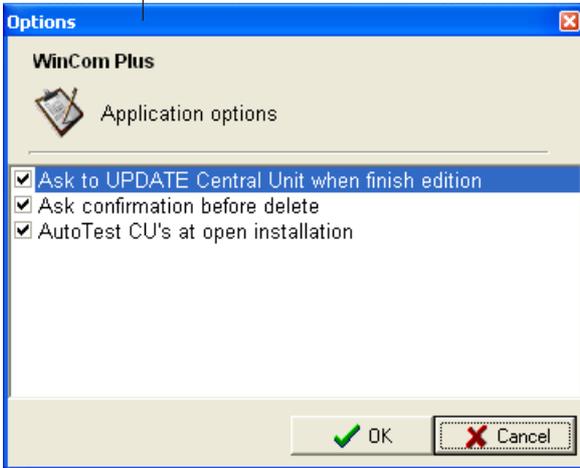
You must close the application to update the language change.

When the application is opened again, it will appear in the language selected previously.

Application

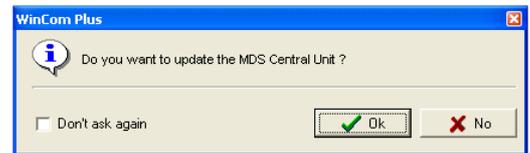
Options

- Application
- Language



** Asks whether to update the Central Unit when editing is completed.*

Selecting this option, the application shows a dialogue box asking if you wish to update the data in the Central Unit every time any data in the installation is edited (creation/modification of users, accesses, profiles ...):

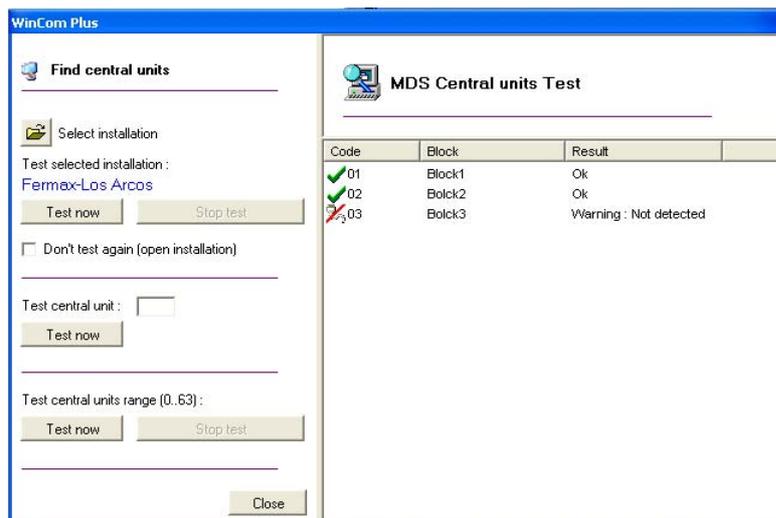


** Confirm before deleting.*

When you are about to remove an element from the installation (only in the Restrictions component), if this option has been selected, the application shows a dialogue box warning that this element is about to be deleted.

** Autotest installation on opening:*

Selecting this option, a test of the installation is run automatically when an installation is opened.



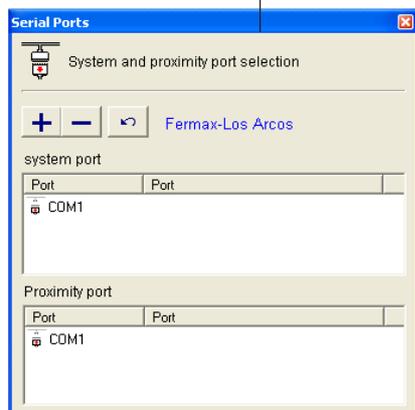
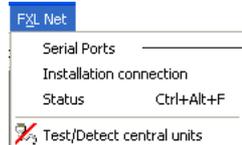
See Central Units File for more information.

FXL Network

Lets you configure the PC connection with the MDS installation, select the connection type (local or by modem) and run a test of the central units.

Serial Port

Select the "Serial Port" from the drop down menu. The following screen appears with the list of ports:



* Add Ports:

Click on the **+** button. This window comes up:



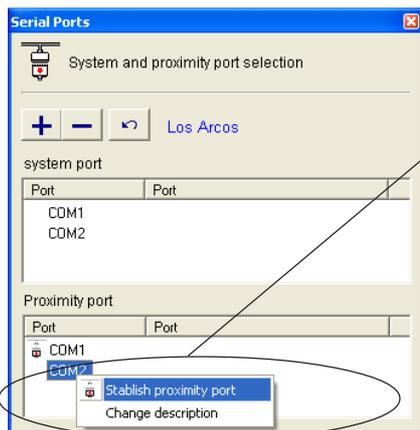
Select the Port from the drop down menu and enter a port description (optional).

Press OK.

* Ports Selection:

The icon indicates the current connection port.

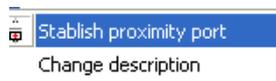
Two types of port may be configured; one for the connection between the PC and the MDS installation MDS (central unit), and another link for the proximity reader (for card programming).



In both cases, you can select the connection port:

Click to select the connection port from the corresponding window (depending on how you want to define the connection port with the installation or with the reader).

Click the right mouse button. The drop down menu appears.



Select "Stablish proximity port".

The icon appears in the selected port.

* Delete Ports:

Click on the **-** button. The following window appears:

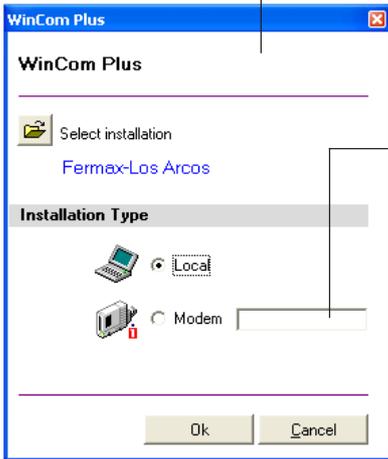
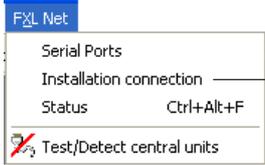
Select the port to be deleted and press **X Erase**.

Click on **Close** to close the Delete Ports window.



Installation Connection

Select the "Installation Connection" option from the drop down menu.



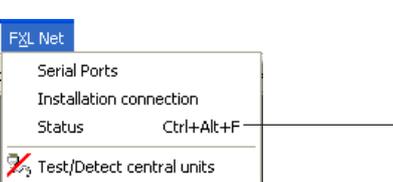
Select the type of installation connection, activating the corresponding box (Local or Modem).

If you select the "Modem" option, enter the number of the telephone in the box.

Click "OK", to save the configuration.

Status

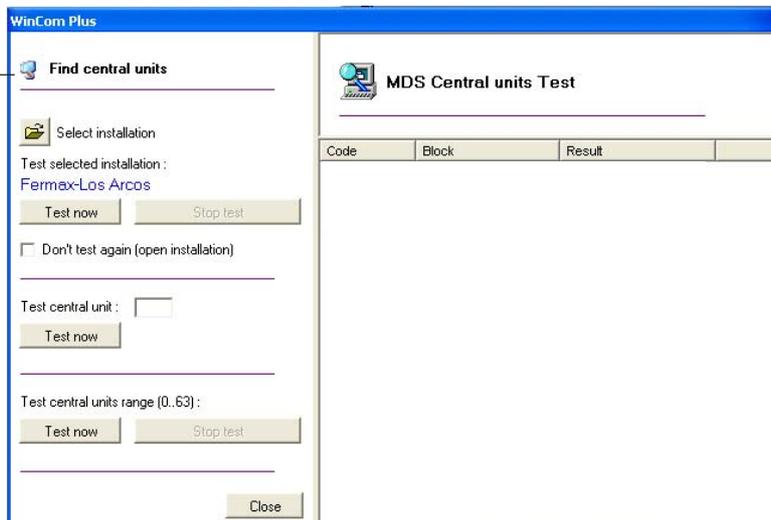
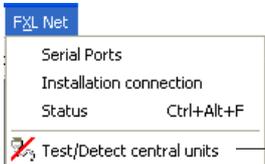
The parameters of this screen must not be modified by the application user.



Central Units Test

Lets you run a test of the Central Units of the MDS installation.

See Central Units Test File for further information.



BLOCK File

A Block will be created for every Central Unit.

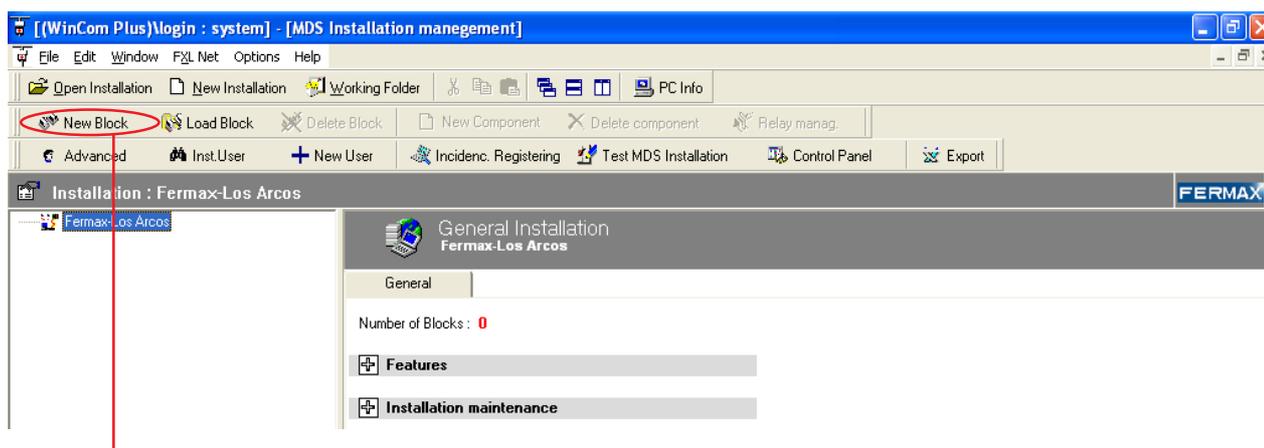
Each Block corresponds to and represents a Central Unit in the Installation, so there will be one Block per Central Unit.

The different components will be defined in each Block (accesses, users, zones, profiles..) of the installation.

Create Block



Lets you create a Block and associate it with its corresponding Central unit.



Click on "New Block" and the block creation help screen appears:



* **Block Name:**

Indicate the block name. ()*

* **C U Type (Central Unit):**

Select the type of block (see remarks) to be created in the installation from among the three types:



* **Central Unit/Block Code:**

Indicate the number of the Central Unit (see remarks) represented by the Block.

Once the data are entered in this screen, click **Next >** to move on to the next one.

Remark



Block type must be the one set up in the C.U. by means of dipswitch 1.3.
Block code must be the one set up in the C.U. by means of dipswitch SW2.

(*) Once the Block is created, the Block name cannot be modified.

(**)The type of Block described in the manual is "Only Digital Controller (NOT Audio)"

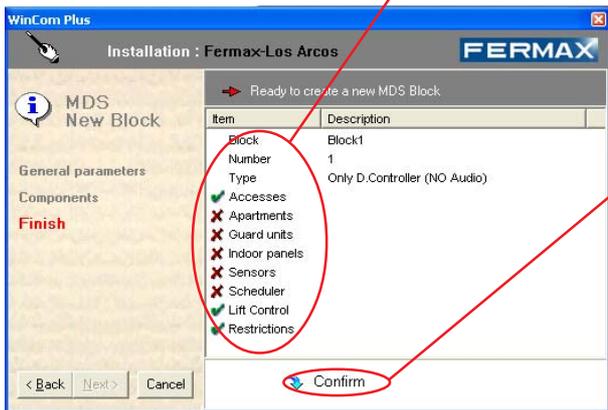
There CANNOT be more than one Block per Central Unit. The same central code cannot be assigned to more than one block.



Click to exit wizard.

Click to go back to previous screen.

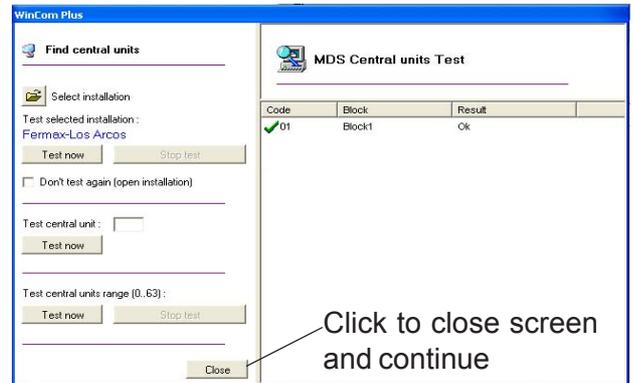
Once the components are selected, click **Next >** to go to the next screen, showing a summary of the selected parameters and components:



If the data are not correct or you wish to change any, click on **< Back** to return to the previous screens.

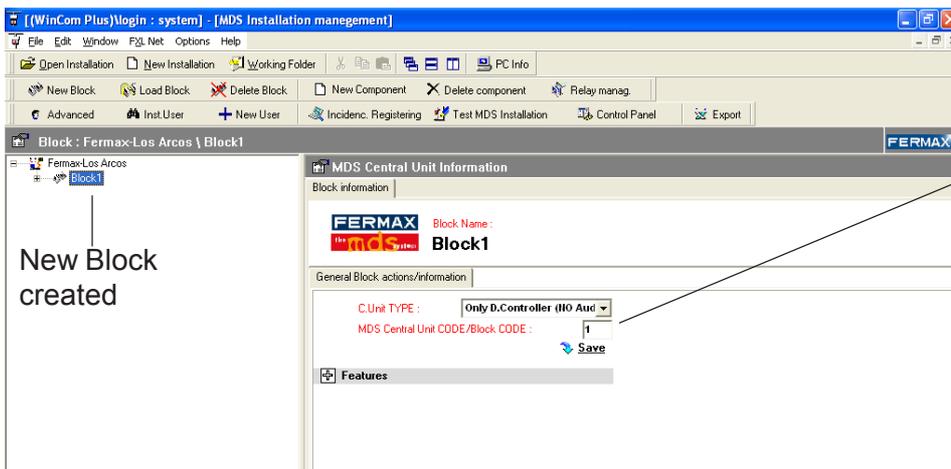
If the data are correct, click "Confirm".

The installation Test screen appears (See Central Units Test File). Click on close to continue.



Click to close screen and continue

The new installation is created, displaying the installation management main screen (See Main Screen File):



*** Block Information:**

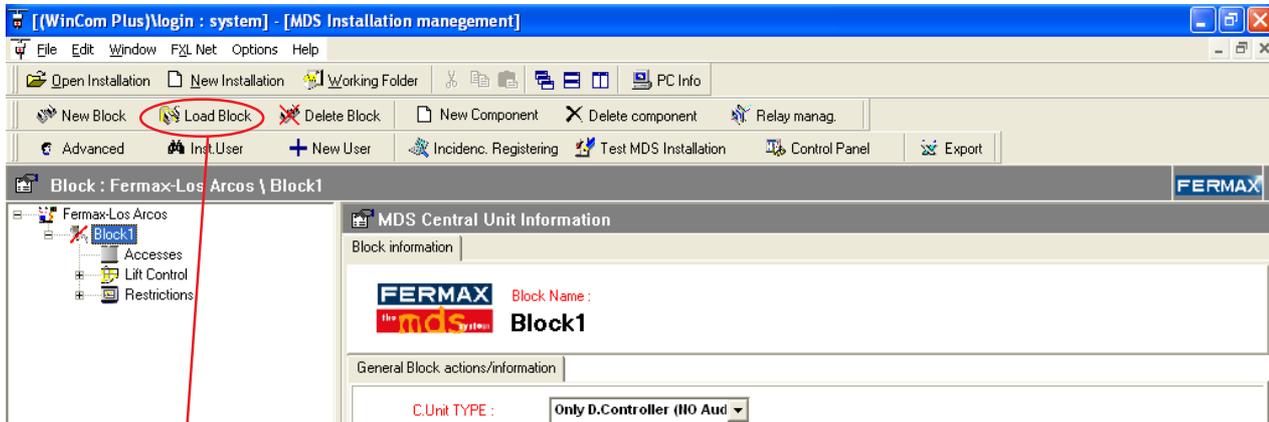
Lets you change the Block Type and Code.

Click "Save" to confirm changes.

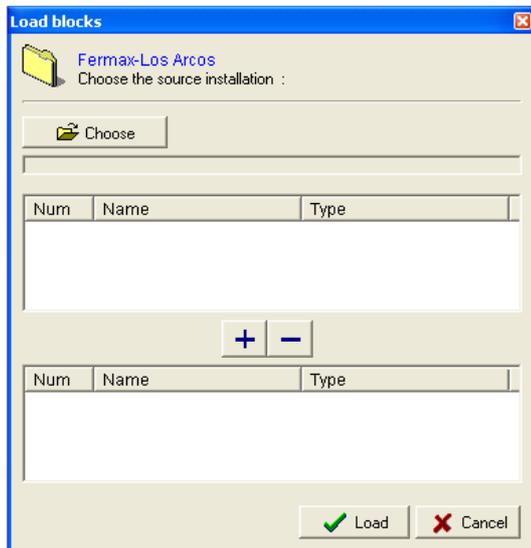
Load Block



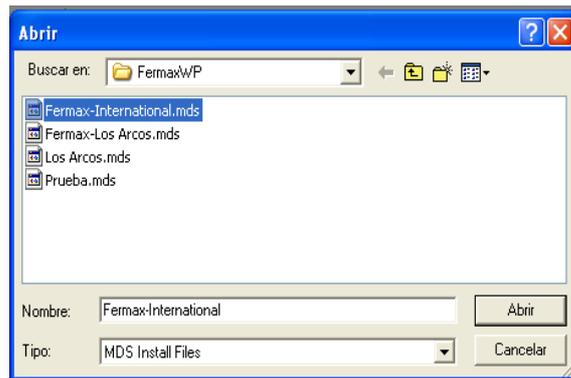
Lets you load a Block already created in an installation.



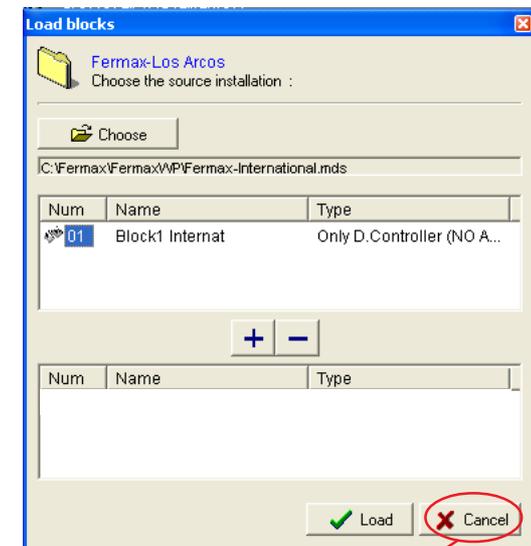
Click on "Load Block"; this screen comes up:



Click the Choose button and the explorer screen appears:



Select the ".mds" file of the installation you want to load the block from and press "Open". The Blocks of the selected installation appear on screen.



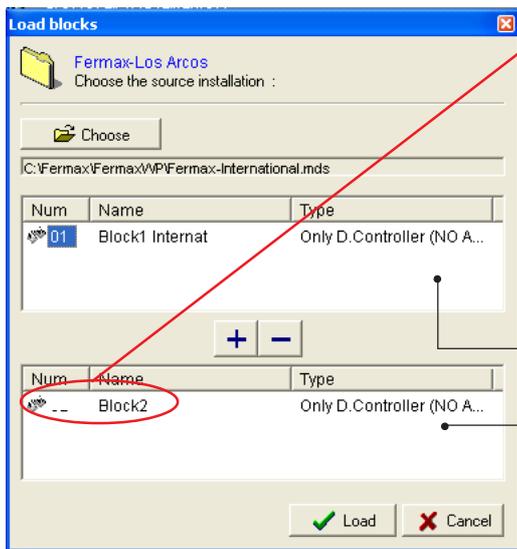
Select the Block by clicking on the Block number that you want to load and press .

The following screen comes up and asks for the new name and code of the Block to be created in the installation:



Fill in data and click "OK"

Click to exit wizard



The new Block name and code to be created in the installation appear in the lower section of the "Load Blocks" screen.

To add another Block to the insertion list(lower screen section), repeat the process.

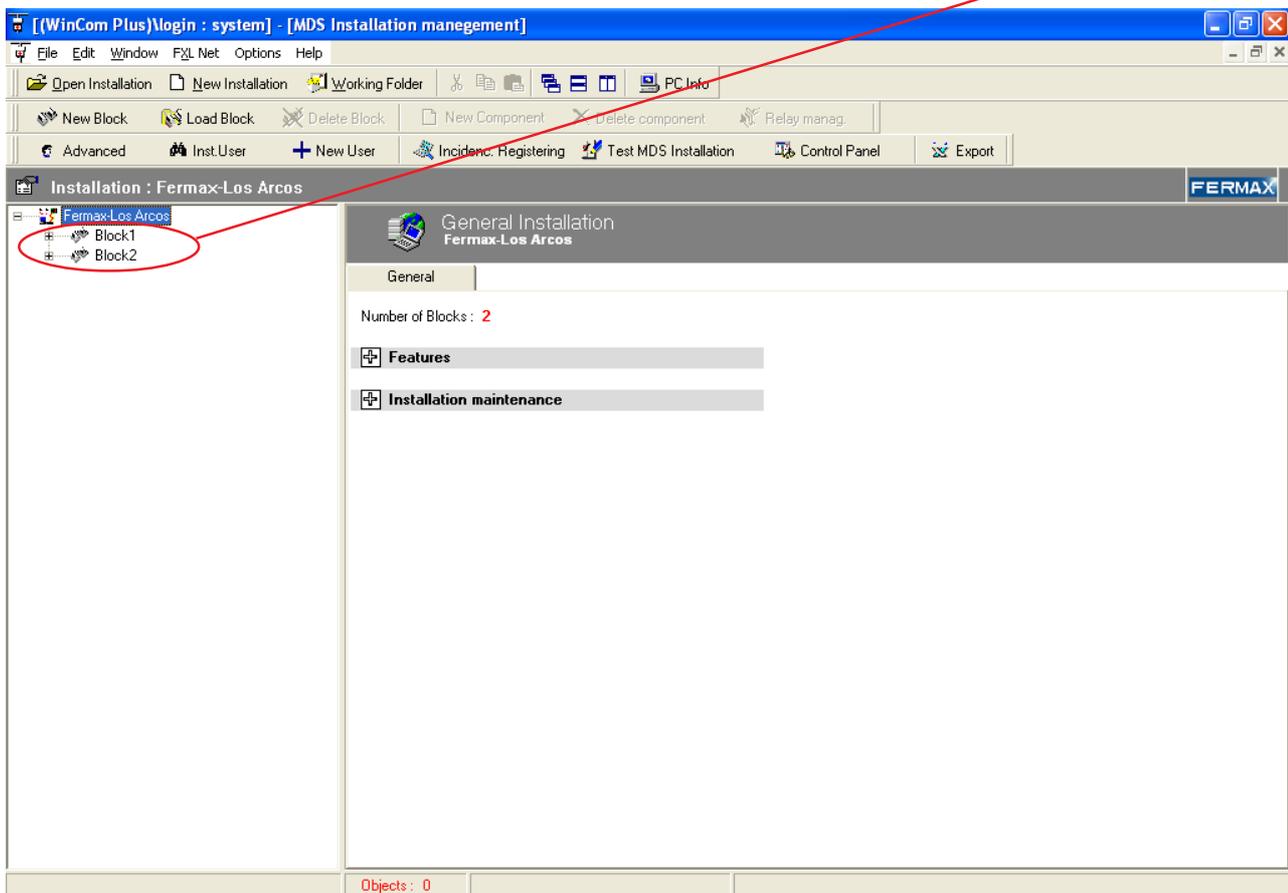
To delete a Block from the insertion list, select the Block and click on .

List of source installation Blocks.

List of Blocks to be inserted in the current installation.

Press  **Load** to load the Blocks selected in the current Installation.

The new Blocks loaded in the installation are visible on the left-hand side of the main program screen.



Click on the name of the Block to select and work with it.

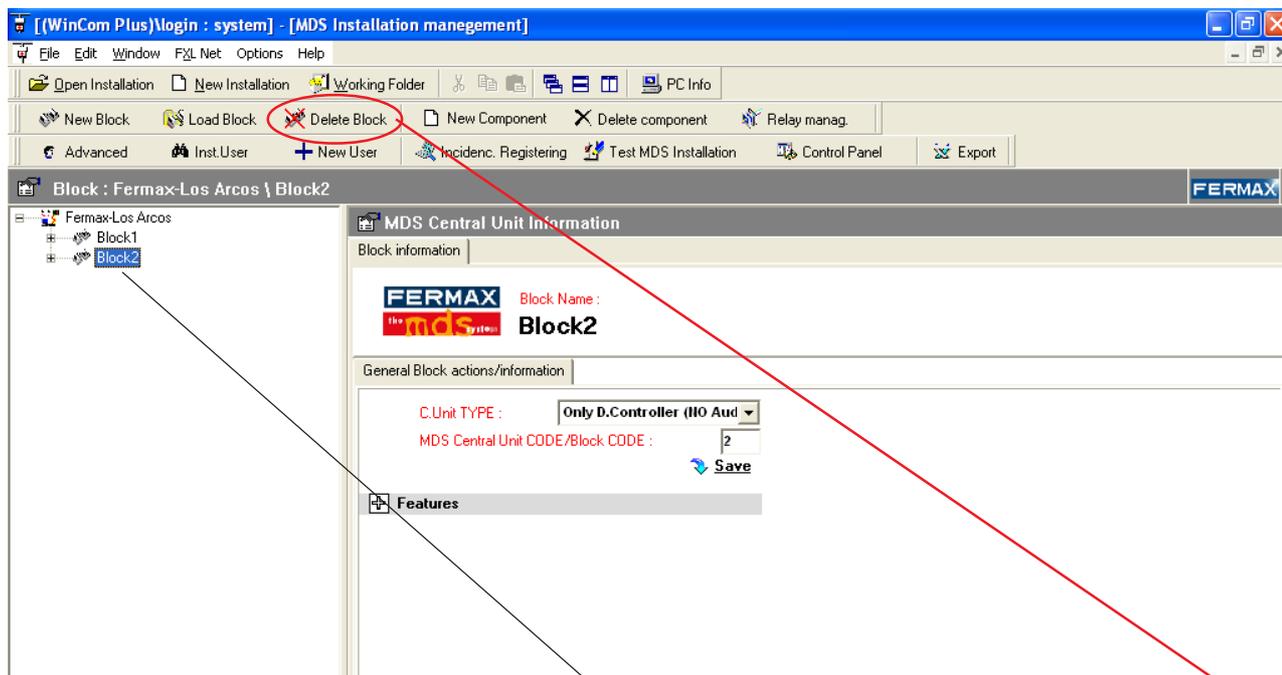
Remark



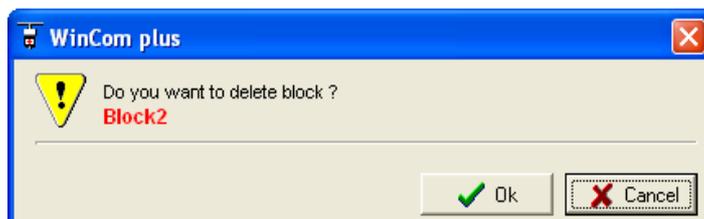
Remember to update the data every time you make a modification to the current installation. (See Update Data File).

Delete Block

Delete Block

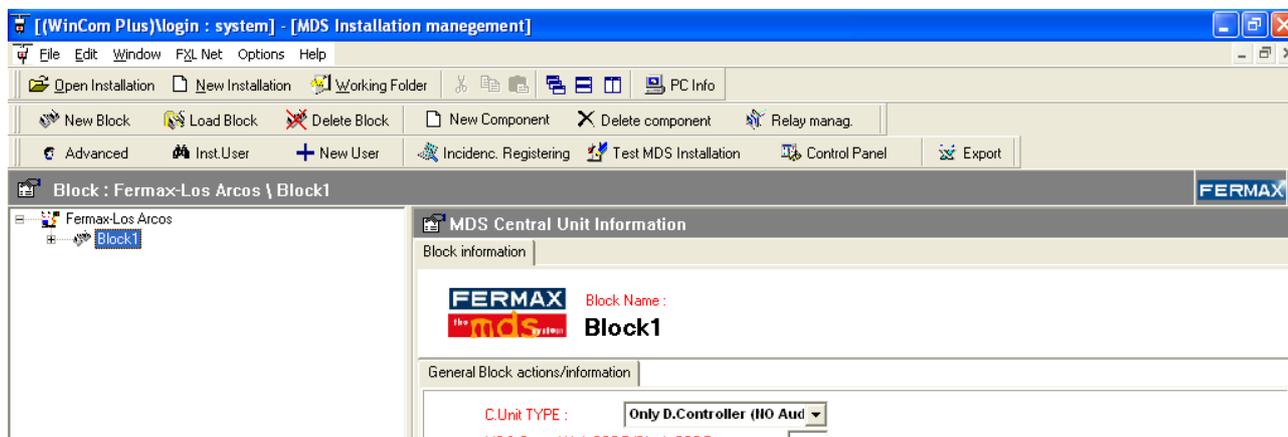


Select the Block you wish to delete by clicking on the left-hand side of the Main Screen and press "Delete Block". The following screen comes up:



Press to delete the selected Block.

Click to exit wizard.



Remark

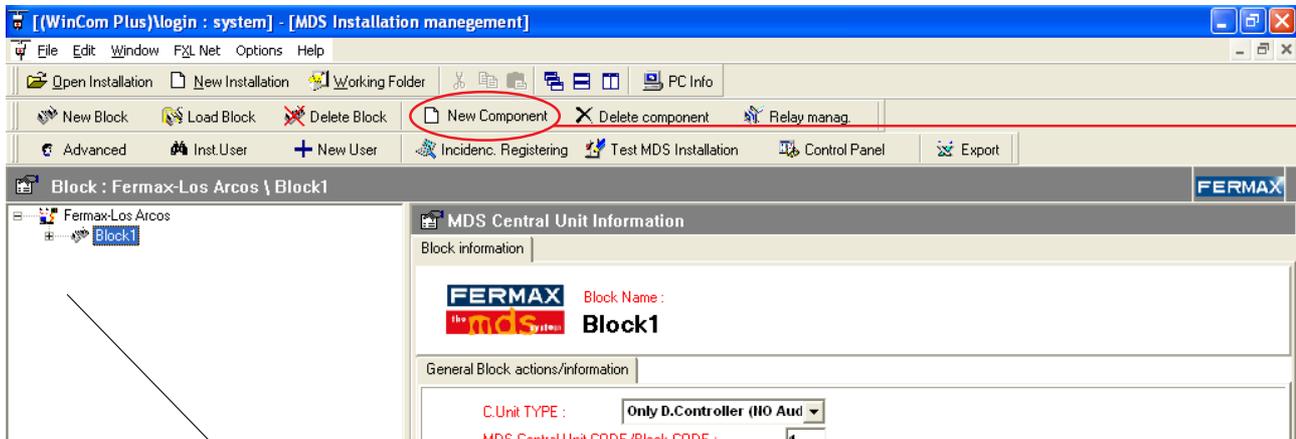


The action of Deleting a Block is irreversible. The Block erased (and all its components) cannot be retrieved; a new Block must be created (and each component defined again).

Add Components

New Component

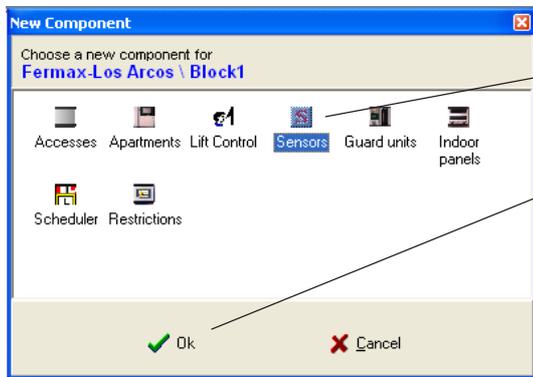
Lets you add a Component to a particular Block in the installation.



Click on the  box to view the components in the Block.



Select the Block to which the new component is to be added, and press "New Component". This screen comes up:

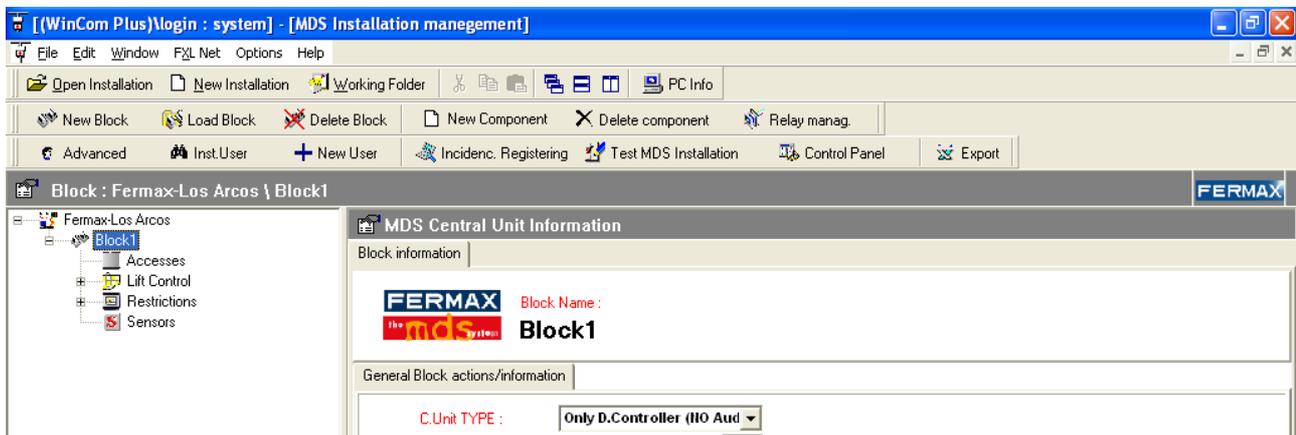


Click on the corresponding icon to select the component.

Press "OK" to add the Component to the selected Block.

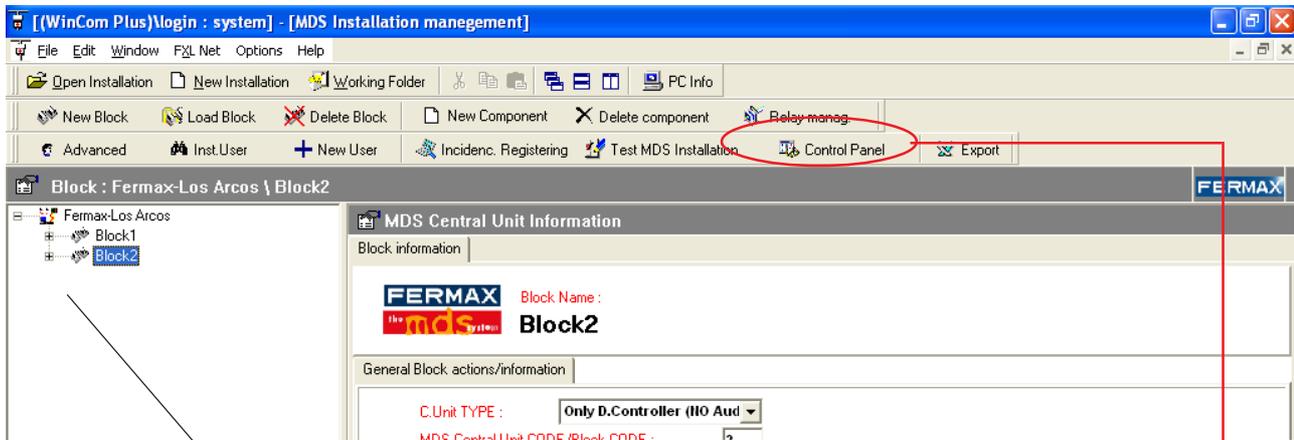
Click "Cancel" to exit wizard.

The new Component appears on the tree of the corresponding Block:

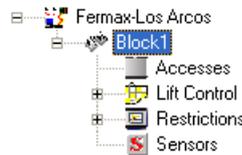


Delete Components

Lets you remove a Component from a particular Block in the Installation.

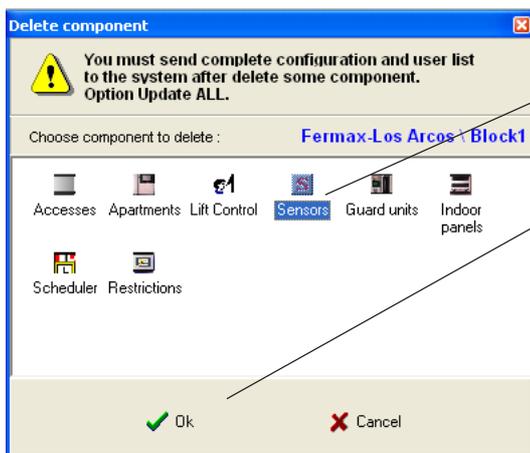


Click on the  box to view the Block components.



(e.g: Block 1 has 4 components)

Select the Block from which you wish to remove the Component, and click "Delete Component". This screen comes up:

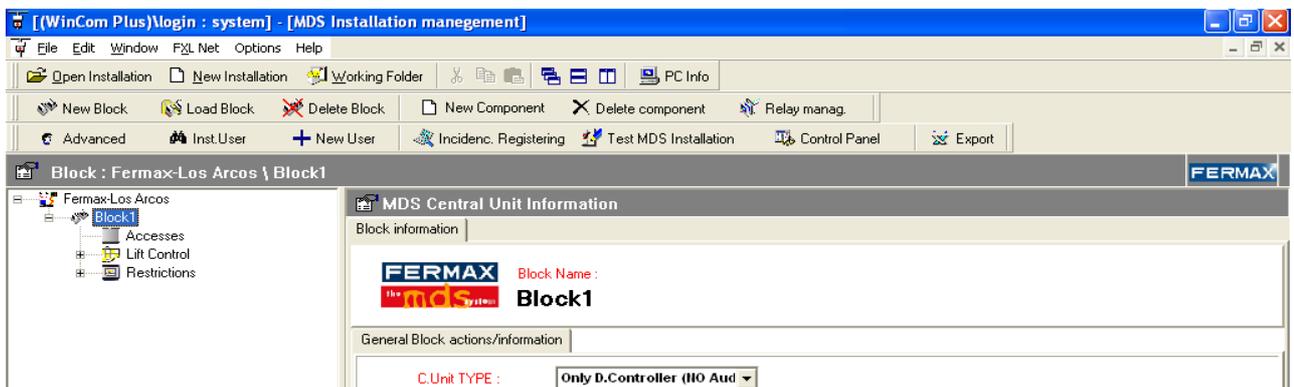


Click on the corresponding icon to select the Component.

Press "OK" to delete the Component from the Block selected.

Click "Cancel" to exit the wizard.

Component disappears from the tree of the corresponding Block:



Remark



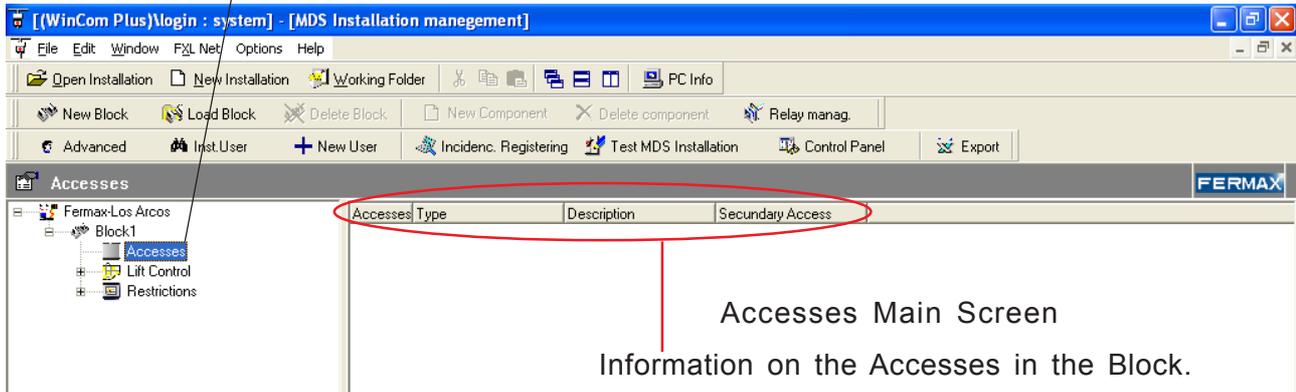
The Delete Component action is irreversible. The Component erased cannot be recovered and a new Component must be created.

ACCESSES FILE

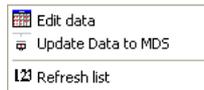
We can **CREATE, MODIFY** or **DELETE** the different **ACCESSES** that make up a Block.

Create Accesses

Click on "Accesses" on the left of the screen. The following fields (Main Screen Accesses) appear on the right: Access, type, description and secondary access.

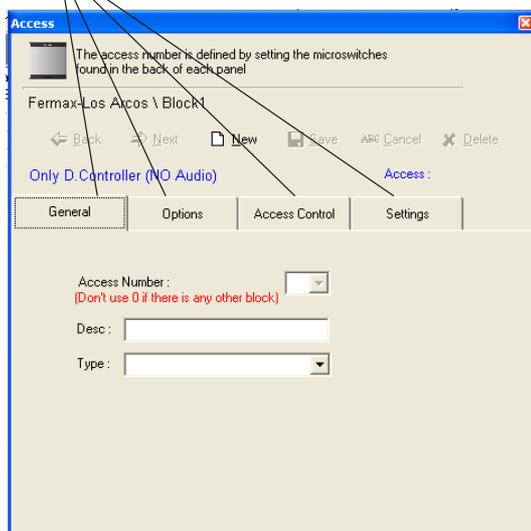


Double click on the Accesses Main Screen or press the right mouse button and select the "Edit Data" option from the drop down menu:



This screen comes up and lets us create new Accesses:

We can move through the different data to be filled in by selecting the different tabs:

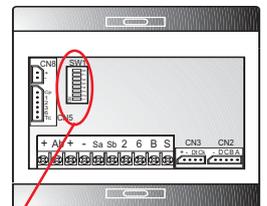


Click **New** to create an Access.

*** Access Number:**

Indicate the Access number (from 0 to 31)().*

This number corresponds to the number assigned to the MDS reader by the microswitches.



*** Description:**

Information on the Access; (e.g: Garage Access ...).

*** Type:**

Lets you choose the device type (reader) used for the Access:



(*) If there is a FXL Network, the accesses will be numbered as of 1.

Select the "Options" tab to continue filling in the Access data.

Remark

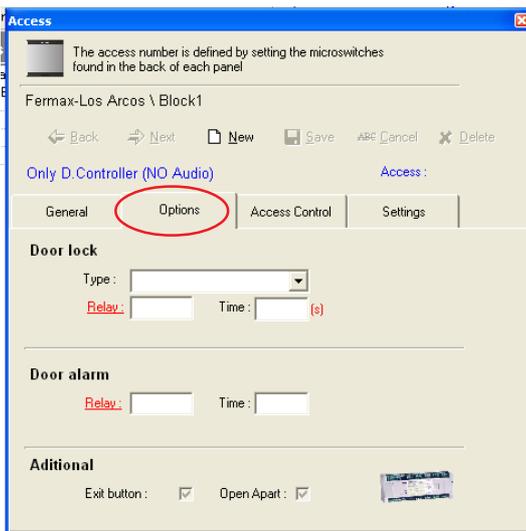


If you wish to cancel the modifications, **press** **Cancel**.

To save data entered, **press** **Save**.

To exit the wizard (once the data are Saved or Cancelled), click on the **Close** icon on the upper right corner of the wizard screen.

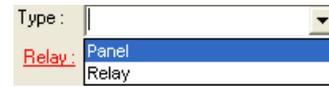
The number of tabs and type of data to be entered vary depending on the type of Block created (Audio, Digital Controller, Audio+Digital Controller)



*** Door Lock:**

Type: Lets you indicate if the door release activation is to be done by relay or directly from the reader (panel).

Select the activation type from the drop down menu:



Relay: Number of the relay to activate the door lock, if that is the case.

The Relay number must be programmed previously (See Relay Management File).

*Select the Relay number from the list that appears when you click **Relay**.*

Timing: The time in seconds that we want the relay to be active, operating the door LOCK ().*

Remark



(*) The relays used as Door Lock Relays (*) must have been previously defined in a group from the RELAYS table with initial STATUS=0, except if the door release mechanisms to be used are inverted function, which will be initial STATUS=1.

If using a normal function door lock (STATUS=0) we must programming TIME on the RELAYS table, a value equal to or greater (never less) than the one assigned in this tab to Door Release-Timing. Then, if communication between the central unit (block) and the relay decoder is lost, accidentally or deliberately, the door release activation time will be as programmed in the Relays Table. This facility is not available for inverted function door locks (initial STATUS=1). (See Relay Management File).

*** Door Alarm:**

Relay: Indicate the number of the relay to be activated if the access door remains open for more than the time preset in the "Time" box.

If this function is not required, leave the box blank.

This requires the installation of an additional open door sensor linked to the "S" and "-" terminals of the concrete panel.

*Time: This timing starts when the door is opened from the phone handset, by means of a user tag, or even if it has been forced (**).*

Remark



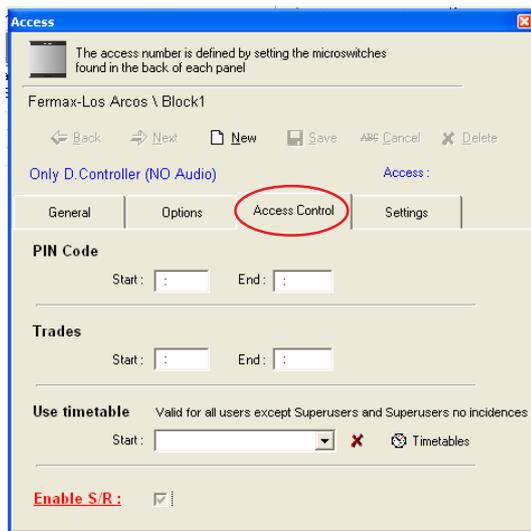
(**) The relays used for door Supervisión must have been previously defined in a group from the RELAYS table with initial STATUS=0, and TIME, with a value equal to or greater (never less) than that assigned to Alarm-Timing in this tab.

*** Additional:**

Lets you indicate if the door opening will also be done from an additional Pushbutton (egress button) and/or from the apartment (only audio mode).

Click on one or both boxes to activate these options.

Select the following "Access Control" tab to continue filling in the Access data.



*** PIN Code:**

In a Digital Controller system, it is possible to install a Secondary MDS Reader along with a keypad with display. In this way we can use the PIN function (only in Digital Controller): When the user device is presented to the secondary reader, a 4-digit code (PIN code) is entered with the keypad.

The PIN code is programmed in the user register (See Users File).

Start-End: Defines the start and finish time when the Pin code is required. Outwith this period, the code is not needed.

If the PIN Code option is not to be used, do not fill in this box.

Remark



PIN-Start may come after PIN-End to indicate time lapses including 12 midnight (12:00 PM)

*** Trades:**

It is possible to define a "free access" time (public premises, etc.) where any person may open the door: visitors, by pressing the "A" key on the panel keypad, or residents, with their user device.

Authorised users can activate the "free time" period by presenting their user device to the reader of this access within the time set in Free Time-Start and End.

This authorisation is available if the parameter "Enable Free Time" in the register corresponding to this user has been selected (See Users File or Free Time File).

Start-End: Define when the "free time" begins and ends.

Remark



Free Time-Start may come after Free Time-End to indicate the time lapse that includes midnight (12:00 PM). In Free Time, incidents are not registered (See Incidents Register File).

*** Use Timetable:**

Lets you assign a schedule, previously set in the Times Table (See Schedules File), for a given access. In this way, the access will only be accesible within the time slot assigned.

Select a schedule from the drop down list.

Remark



You can access the Times Table directly (See Schedules File) by clicking  Timetables .
To cancel the schedule selection, click on .

*** Enable S/R:**

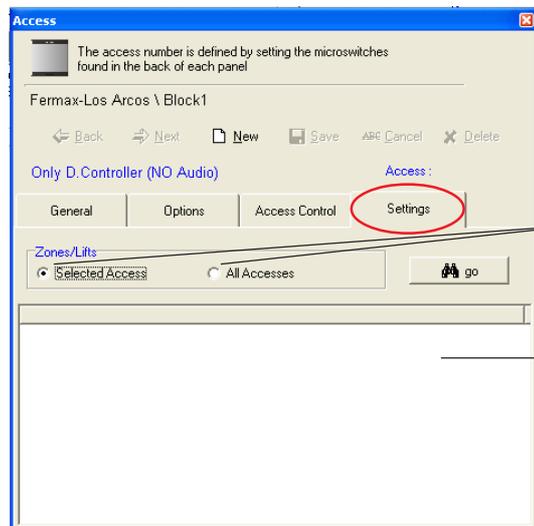
If this box is activated, users have the possibility, when they present their card to the access reader, to switch the status of a relay (activate or deactivate a device, lighting, air conditioning ..) or arm/disarm a sensor (an individual alarm ...). (See Scheduler File).

Remark



It is interesting if this access has only this function and is located indoors, to combine it with a display to show the status of the relay or sensor that is being activated and its number.

Select the next tab, "Settings", to continue filling in the Access data.

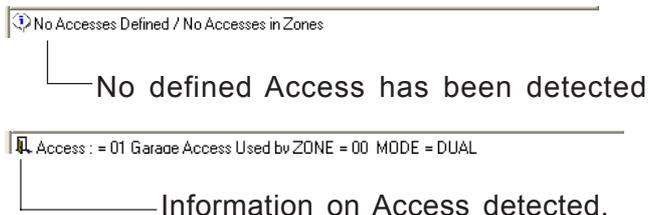


Tells us which Accesses have been defined in the Block. (See Zones File).

To make a query, click on .

You can make a general enquiry on all the accesses, or a specific one by clicking on the related option.

Shows information on status and location of accesses:



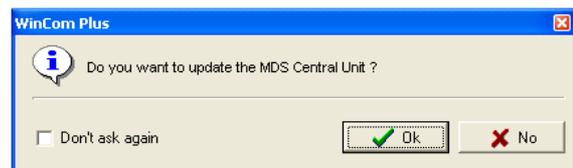
Remark



To move along the different Accesses created, press to move on to the next or click to go back to the previous one.
If you wish to cancel the changes already made, click .

Press to create the Access in the application.

To exit the wizard (once the data is saved or cancelled) click on the icon located in the upper right corner of the screen. The following screen comes up:



Press to update and create the data on the Central Unit of the installation.

Remark

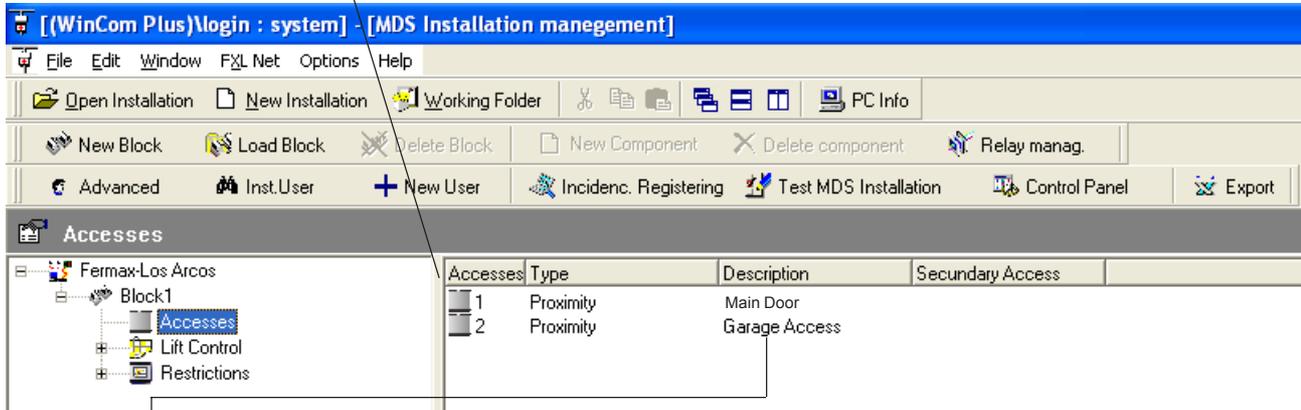


If you do not update the central unit data at this point, you must do so later so that the installation functions properly and recognises the newly created data.

To exit the wizard at any time, (once the data are saved or cancelled) click on the icon situated in the upper right help screen corner.

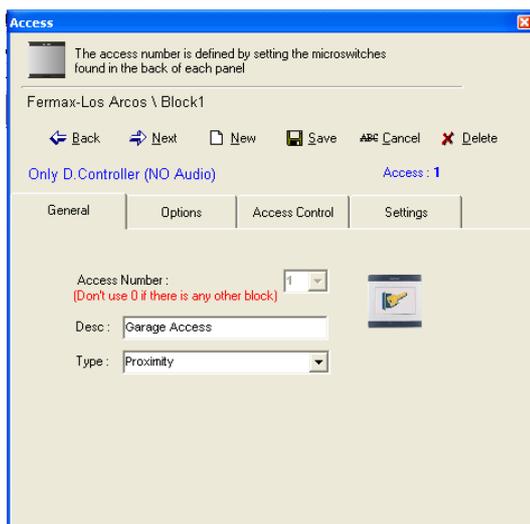
Modify-Delete Accesses

Click on "Accesses" on the left of the screen. The Accesses contained in the Block appear on the right (Accesses Main Screen):



Double click on the Access you wish to modify or delete.

The following screen comes up to let us remove or modify the data on the existing Accesses:



Modify Accesses Data

Enter again the data to be modified in the fields of tabs (See Accesses File>>Create Accesses).

We can move through the different data by selecting the tabs.

Click Save to save the data or Cancel to cancel the modifications.

Delete Accesses

Press Delete to delete the Access.

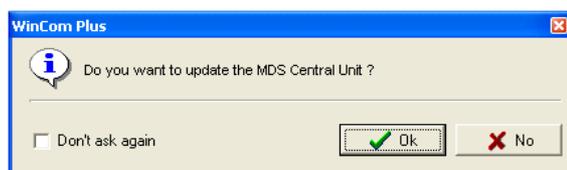
Remark



The action of Deleting an Access is irreversible. The Access deleted cannot be retrieved.

To move between the different Accesses created, click Next to go forward or Back to go back.

To exit the wizard at any time (once the data is Saved or Cancelled), click on the icon located in the upper right corner of the screen. The following screen comes up:



Press Ok to update and create the items on the accesses in the Central Unit of the installation.

Note



If you do not update the data in the central unit at this point, you must do it afterwards, so that the installation runs correctly and recognises the new data.

RESTRICTION File

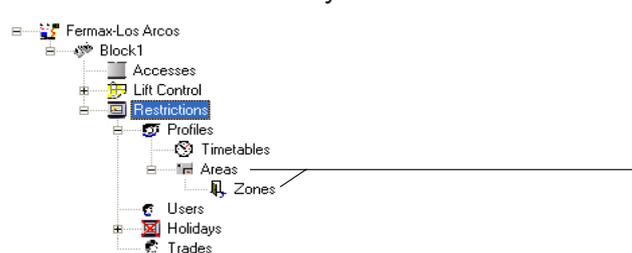
The Restrictions will enable us to create a series of access conditions for the users to the different zones or areas of the building and at set schedules and time slots.

These restrictions are classified into two:

- Spatial:

Physical zones or areas of the building where the users will have restricted access (offices, garages, tennis court, the whole sports area ...)

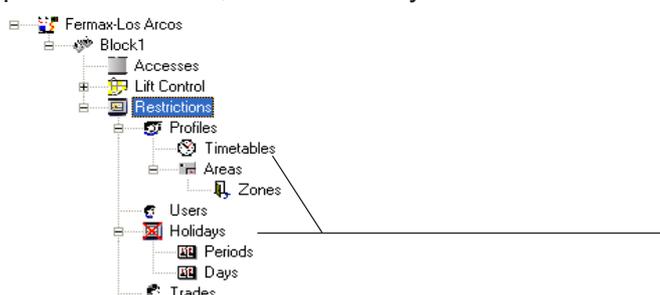
To create spatial restrictions it is necessary to create Zones and Areas.



- Temporal:

Schedules or time slots when the users have access to given zone/s or area/s restricted (office, garages, tennis courts, the whole sports area ...).

To create the temporal restrictions, it is necessary to define Schedules and/or Holidays.



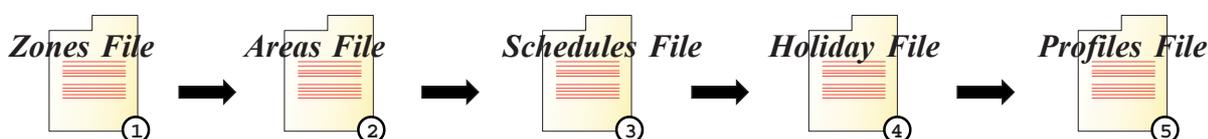
Temporal and Spatial Restrictions may be combined, so creating the designated User Profiles (User Profiles File) which allow a user to access into given zones/areas of the facility in a set schedule and/or time slot:

For example:

- User Juan (profile: Gym member) can access to the gym (zone/area) from 10:00 to 12:00 (schedule)
- The Store Manager (profile) will access to the store (zone/area) from Monday to Friday between 9:00 and 14:00 and 16:00 to 19:00. (schedule).

These restrictions are assigned to each user by means of the *Profile* field (See User File).

To create the different restrictions, consult the files:

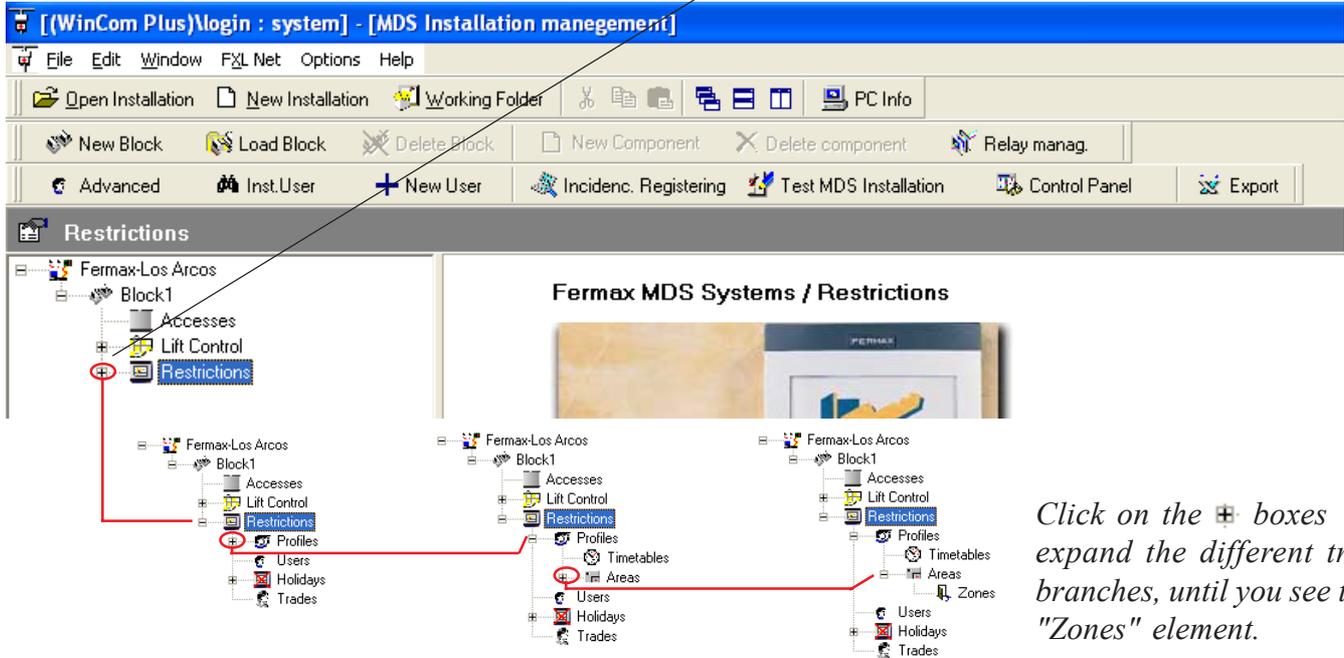


ZONES File

We can **CREATE, MODIFY** or **DELETE** the different **ZONES** that make up a Block area

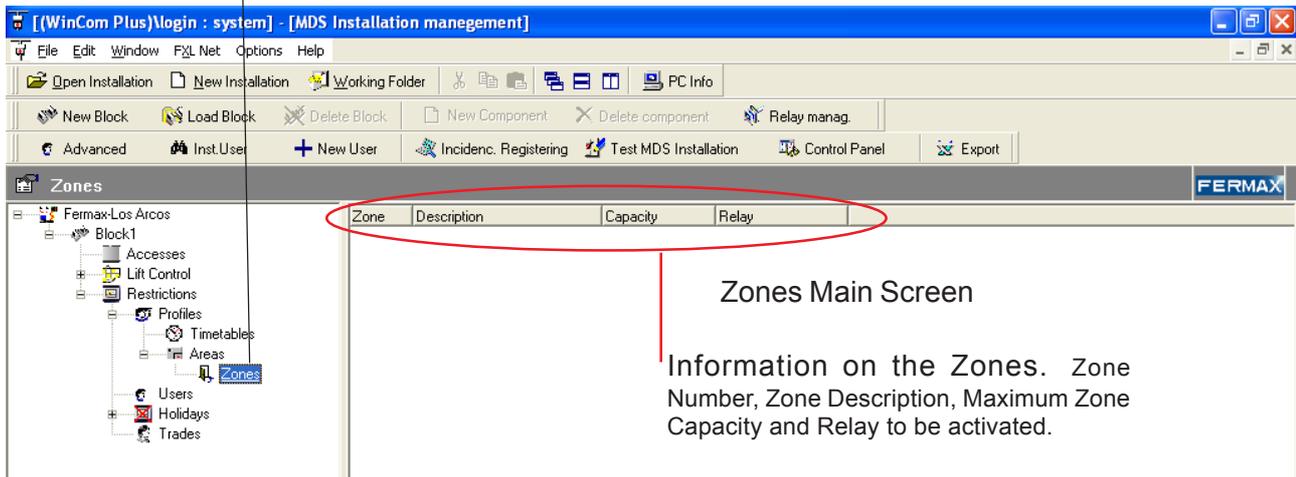
Zones Screen

On the left of the main screen, click on the Restrictions box  to display the tree and view the elements that belongs to Restrictions component:



Click on the  boxes to expand the different tree branches, until you see the "Zones" element.

Click on "Zones" on the left of the screen. Information on the Zones (if there are any) appears on the right (Zones Main Screen):



Zones Main Screen
Information on the Zones. Zone Number, Zone Description, Maximum Zone Capacity and Relay to be activated.

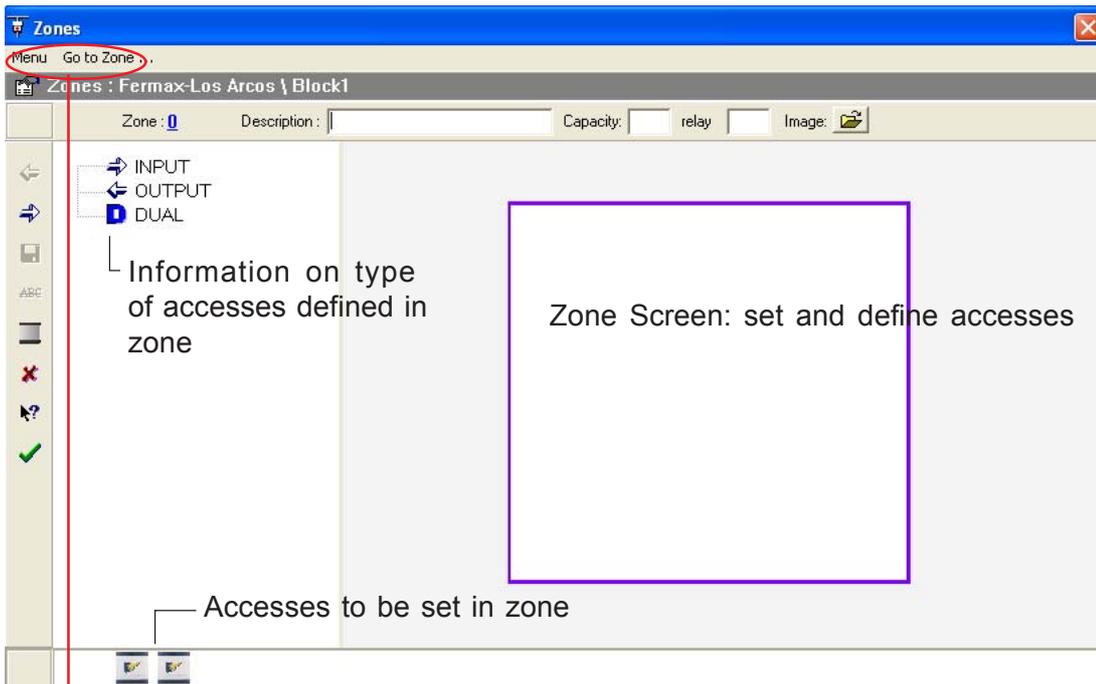
Double click on the Zones main screen or press the right mouse button and select the "Edit data" option from the pop-up menu:



The following screen comes up:

Remark

 A Zone is made up of one or more Accesses (See Accesses File).
You may create up to a maximum of 32 Zones per Block:



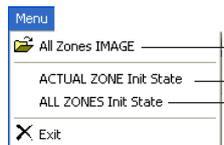
Information on type of accesses defined in zone

Zone Screen: set and define accesses

Accesses to be set in zone

Lets you add an image automatically to all the zones created (See "Img" section in this File).

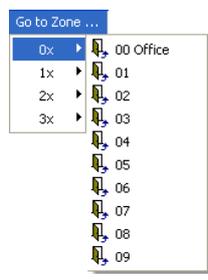
*** Menu:**



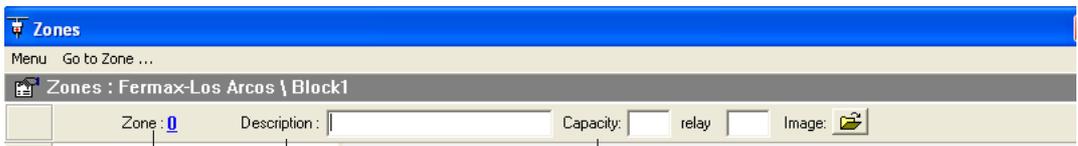
Deletes all Accesses assigned to the current Zone. Data must be updated afterwards.

Deletes all Accesses assigned to all the Zones. Data must be updated afterwards.

*** Go to Zone:**



Lets you view a list of Zones created (grouped in tens) and show the Zone selected directly on screen, just by clicking on the desired Zone.



*** Zone:**

Zone Number (from 0 to 31).

*** Description:**

Name or description of Zone for better identification.

*** Capacity:**

Fill in this box if you want capacity control:

From 1 to 1022: Lets you monitor the maximum number of people in a zone.

0: Lets you check if there is nobody in the zone (for example to activate an alarm automatically).

For all this features, the zone has an internal counter which increases every time a user enters the zone by an input Access (I: Input) and decreases each time a user leaves the zone by an output Access (O: output). (See "Types of Access" section in this file).

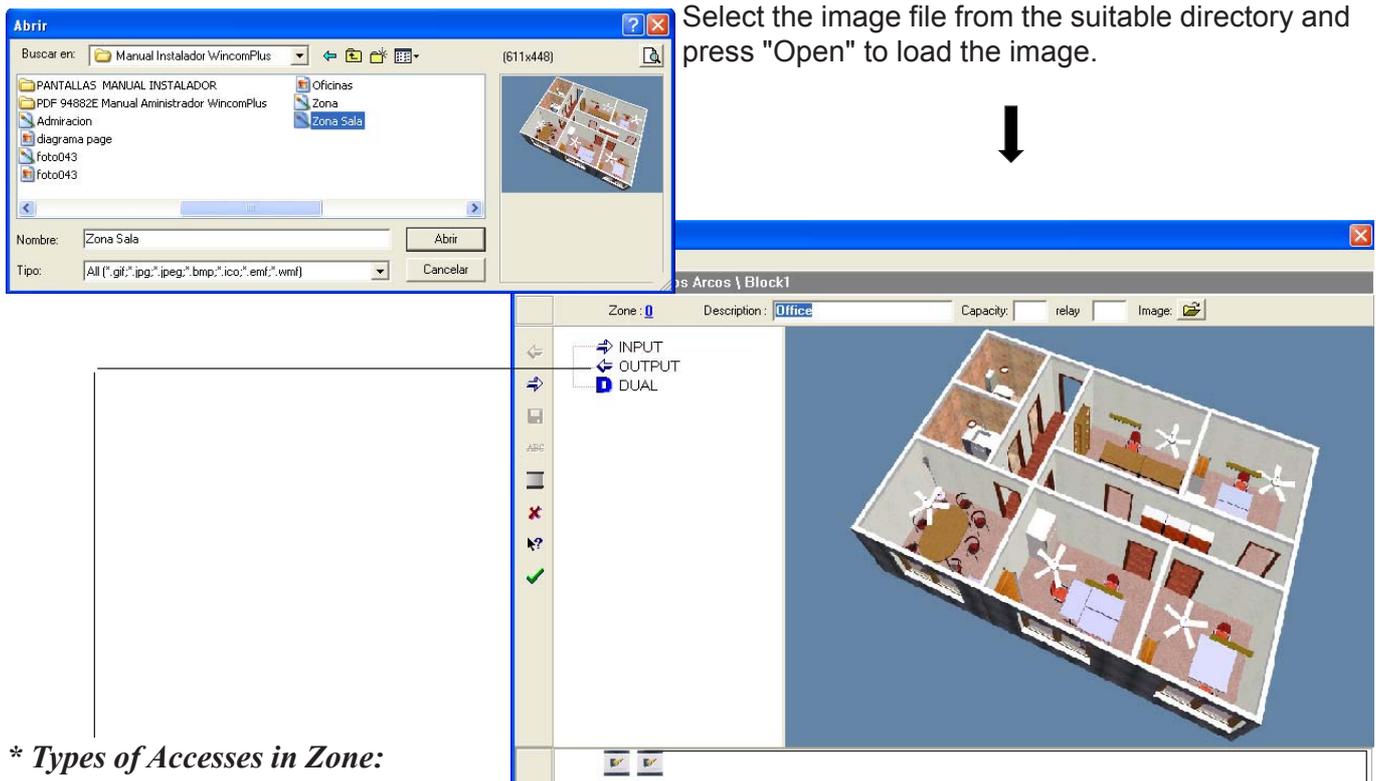
*** Relay:**

Lets you activate the Relay indicated in this box, if Capacity is reached. Indicate relay number (*).

*** Img:**

Lets you add an image of the zone.

To add an image, click  . The following screen comes up:



Select the image file from the suitable directory and press "Open" to load the image.

*** Types of Accesses in Zone:**

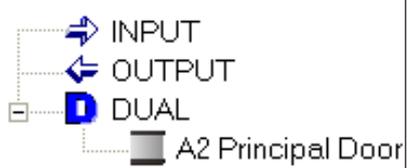
Shows information on type of accesses in the zone.

Access Types:

Input: "Input" (Type I). Access used as entrance to the Zone with maximum capacity or antipassback control (**).

Output: "Output" (Type O). Access used as Zone exit with maximum capacity or antipassback control

Dual: "Dual" (Type D). Access used when no capacity or antipassback control is required. May be used simultaneously as entry or exit.



(Access 2 defined as Dual)

*** Available Accesses lower screen:**

Shows the Accesses created in the Block. The icon corresponds to the type of Access defined previously (See Accesses File). These Accesses must be set and defined in the Zone (See Zone File>> Create Zone)

Remark



- (*) The Relay must previously be defined in the Relays Table. (See Relays Management (File).
- (**) An antipassback system can prevent two users accessing a zone at the same time with the identity tag of one of them. To be able to use the antipassback it is necessary to define the Accesses as Input and Output.

Create Zones

Go to the Zones screen(See Zone Screen File).

1° Define the Zone Description.

2° Indicate Zone Capacity if you wish capacity control (See Zone Screen File).

Indicate number of relay to be activated if capacity indicated is reached (may be used to activate an alarm automatically ...).

3° Load image of Zone (See Zone Screen File).(Optional).

Press  to save the zone data or  to delete the data entered.

4° Set and define the Zone Accesses:

Press the left mouse button over the desired Access and drag it to a point on the Zones Screen (right side of the screen, where the image appears).

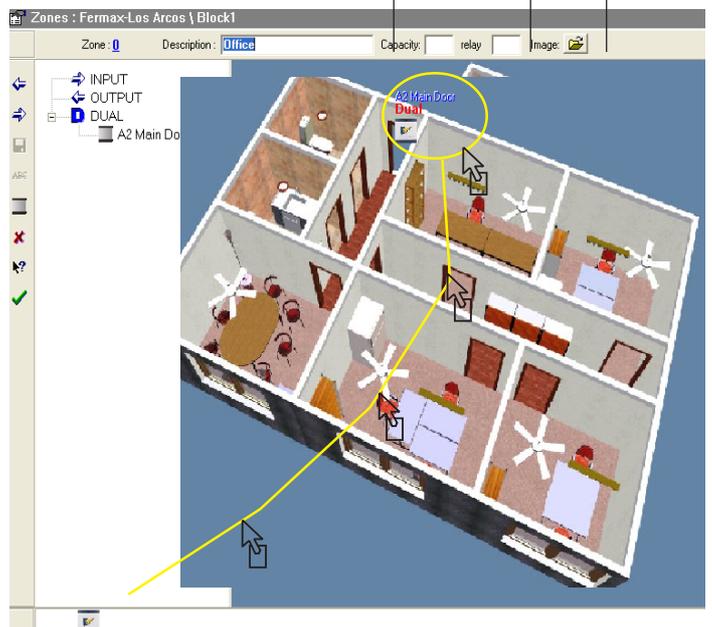
Once the Access is in place, place the cursor over it and click the right mouse button:

-  INPUT
-  OUTPUT
-  DUAL
-  Don't use
-  Cancel

Select the Access type from the pop-up menu: "Input, Output or Dual".



To delete the access from the zone, select "Do not use" from the pop-up menu. The access appears again on the lower part of the screen.

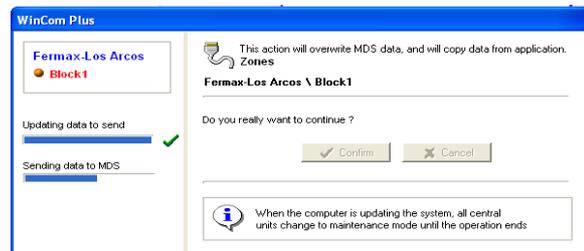
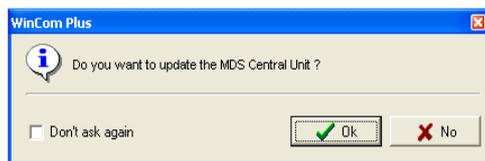


Remark

An Access may belong to, and be defined in, more than one zone.

Press  to save the Accesses defined and assigned in the zone, or  to delete them.

The Block or Central Unit updating screen comes up:



Press  to update and create the Zone in the Central Unit of the installation.



Zone	Description	Capacity	Relay
0	Office		

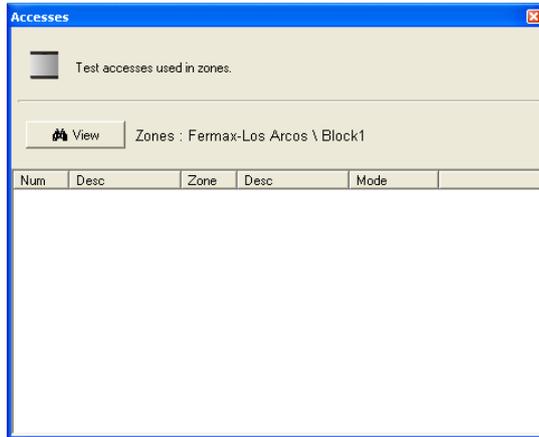
Remark

Remember to update the data in the Central Unit after creating, modifying or deleting a Zone

Use the  and  buttons to move through the different Zones created.

Click  to enter the Accesses Screen directly and create new Accesses or modify/delete existing Accesses. (See Accesses File).

Click  to Test the Accesses defined in the Installation. This screen comes up:



Click  to test Accesses.

If there is an Access defined in the installation (i. e. in any of the Zones created), the information defined on each Access appears:

Num	Desc	Zone	Desc	Mode
00	Puerta Principal	00	Oficina Princip	DUAL

Labels for the table columns:
 - Num: Access Number
 - Desc: Access Description
 - Zone: Zone where Access is located
 - Desc: Zone Description
 - Mode: Access Type

Press  to close this window.

Modify Zones

Enter the Zones screen (See Zone File>>Zone Screen), and select the Zone to modify.

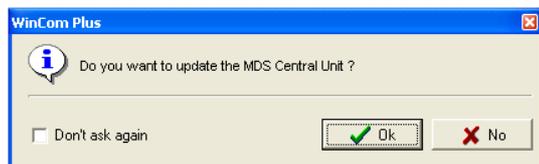
Make the required changes to the Zone data: Description, Capacity, Relay, Image. (See Zone File>> Create Zone).

Press  to save changes or  to cancel them.

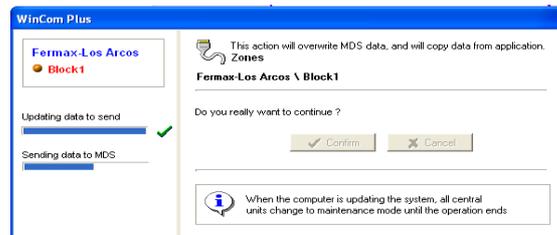
Make the necessary changes to the Accesses of the different Zones: Insert, Define, Delete..(See Zone File>> Create Zone).

Click  to save changes or  to cancel them.

The following screen appears:



Press  to update the modifications to the Zone in the Central Unit of the installation.



Delete Zones

Access the Zones screen(See Zone Screen File), and select the Zone to delete.

Erase the Zone Description and press .

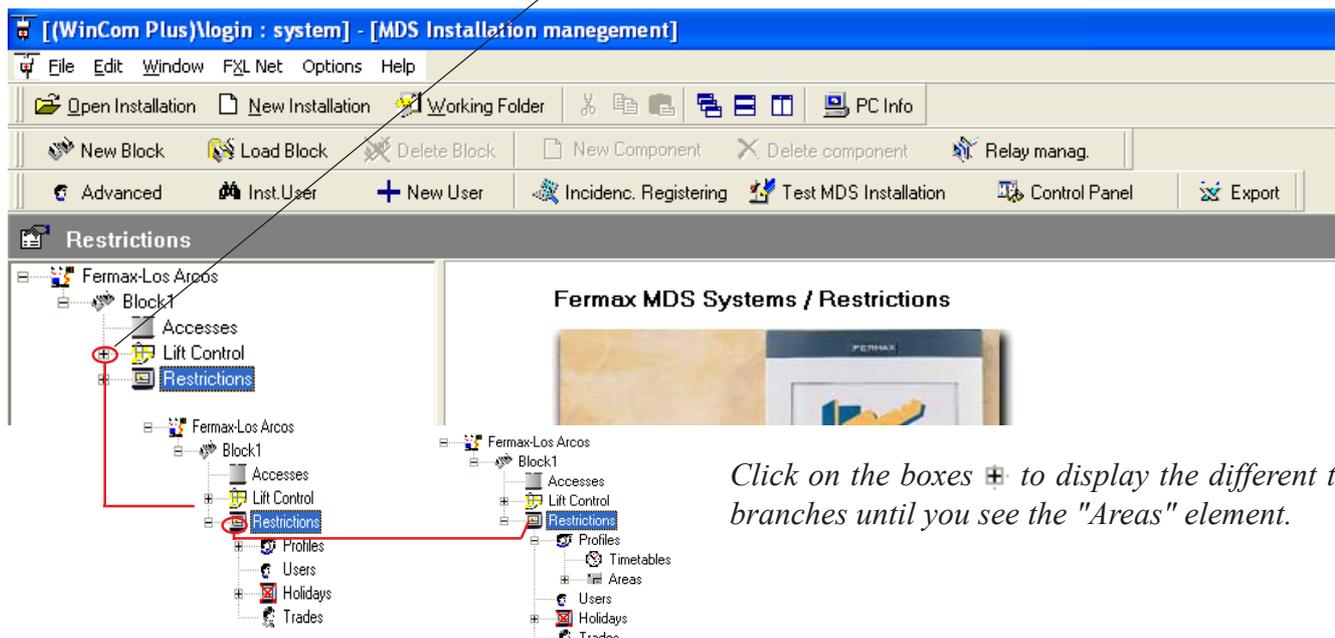
Next, the screen prompts: "Do you wish to update the information in the CU?". Click  to delete the Zone from the data base Central Unit.

AREAS File

An area is a set of Zones. It limits a space of the building made up with several zones.

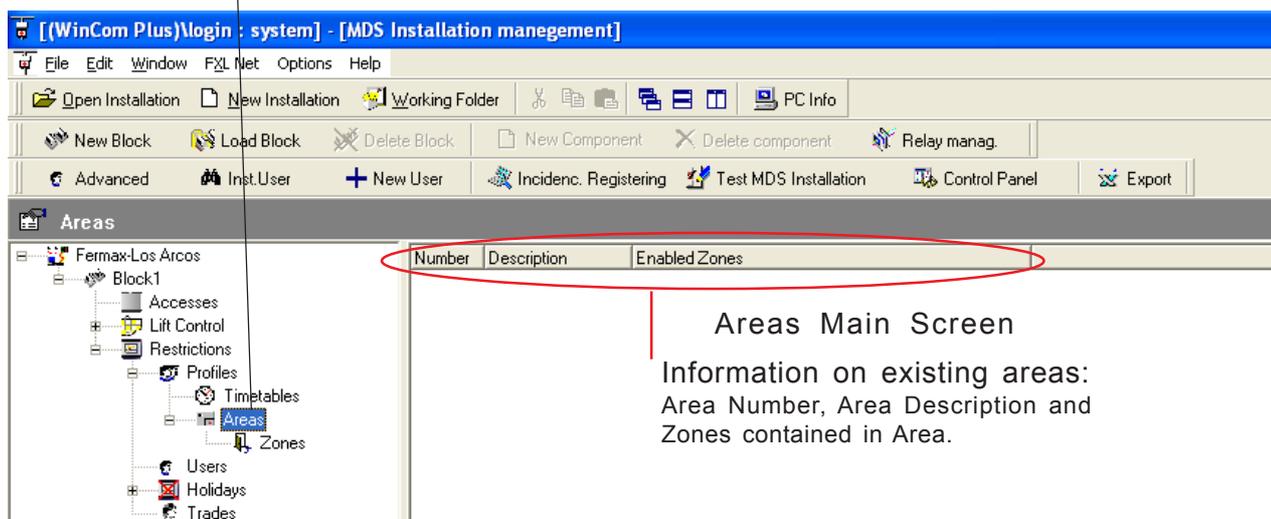
We can **CREATE, MODIFY** or **DELETE AREAS** to be assigned to the User profiles. (Profiles Files).

To display Areas click on the  box of the Restrictions component, on the left of the main screen, to display the tree and view the elements of the Restrictions component:



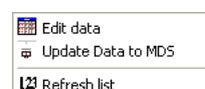
Click on the boxes  to display the different tree branches until you see the "Areas" element.

Click on "Areas" on the left of the screen. On the right (Areas Main Screen) appears information on the existing Areas (if there are any):



Areas Main Screen
Information on existing areas:
Area Number, Area Description and Zones contained in Area.

Double click on the Areas Main Screen or right click mouse button and select the "Edit data" option from the pop-up menu:



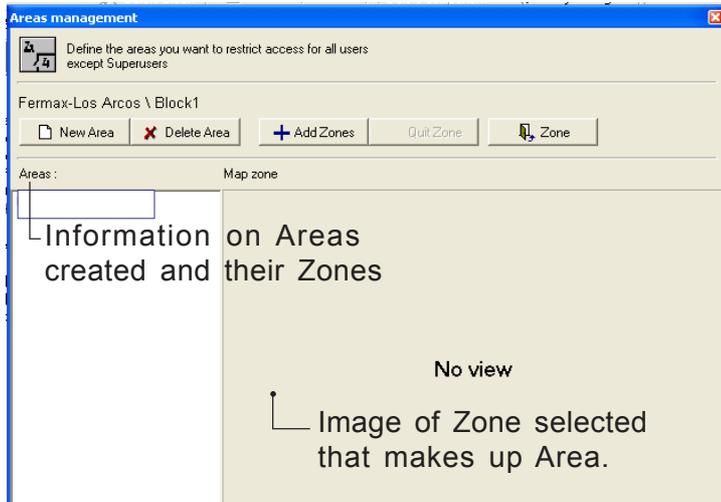
The following screen comes up:

Remark

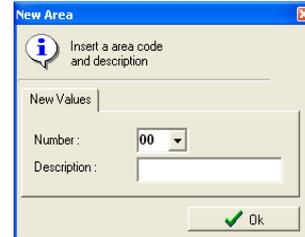


An Area is made up of one or more Zones.
Up to 32 Areas per Block may be created.

Create Areas



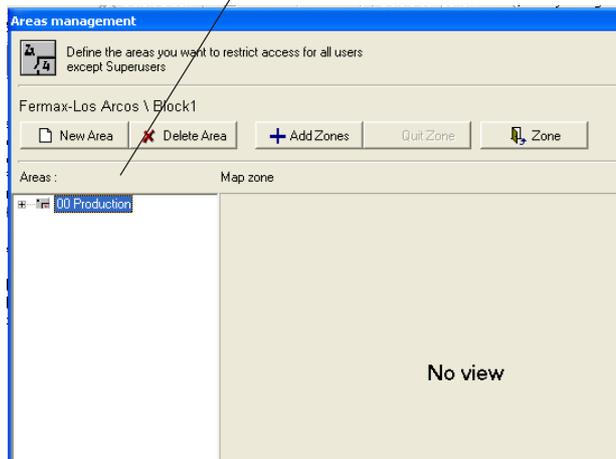
Press **New Area** to create a new Area.



Select the Area number from the drop down list to identify the Area to be created.
Add an Area Description.
Click "OK" to create the Area.

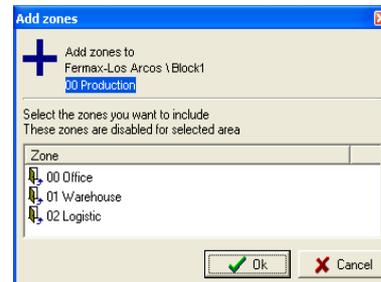
The Area created appears on the left of the screen.

The next step is to add the different zones to make up the Area. To do so, select the Area by clicking on it on the left of the screen:



Press **Add Zones** to add Zones to the Area.

The following screen comes up with the Zones existing in the installation (created previously, See Create Zones File).



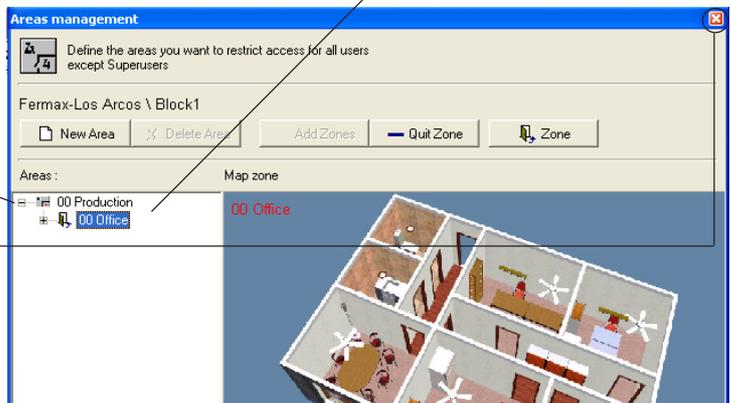
Select the Zones that make up the Area and click "OK".

The Zones selected appear included inside the Area, on the left of the screen.

To view the Zones making up an Area, click the box to display the tree.

Click on on the upper right of the window to close.

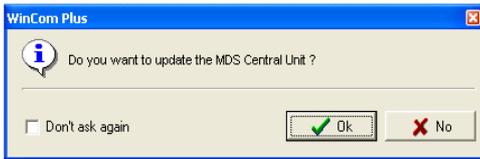
The Block or Central Unit update screen appears:



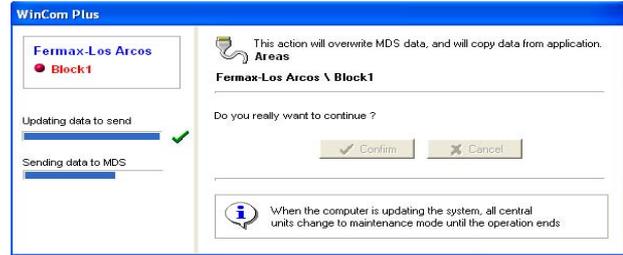
Remark



You can access the Zones screen directly to create, modify or delete zones by pressing the **Zone** button.



Press **Ok** to update and create the Area in the installation Central Unit.



The new Area created appears on the Areas Main Screen.



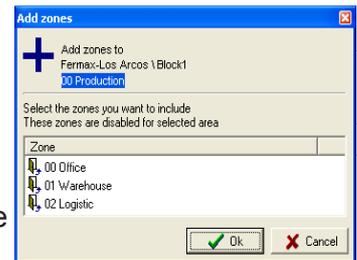
Modify Areas

Access the Areas screen (See Areas File) and select the area to be modified.

Add or remove Zones from the selected Area.

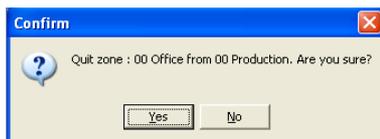
To Add a new Zone click **+ Add Zones**. The following screen comes up:

Select the Zones you wish to add to the Area and press "OK".

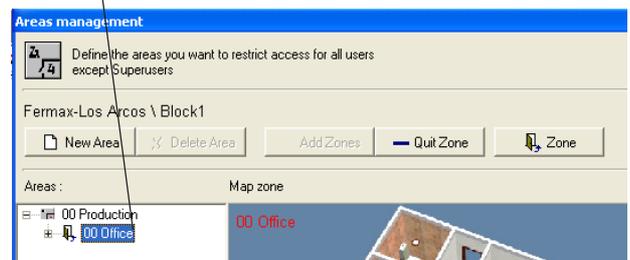


To Remove a Zone, select the zone to delete by clicking on it on the left of the screen and pressing **- Quit Zone**.

This screen comes up



Press "Yes" to delete the Zone or "No" to exit the <Delete Zone> option.

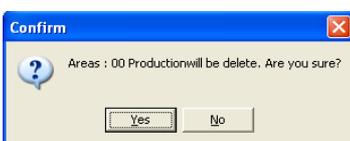


Delete Areas

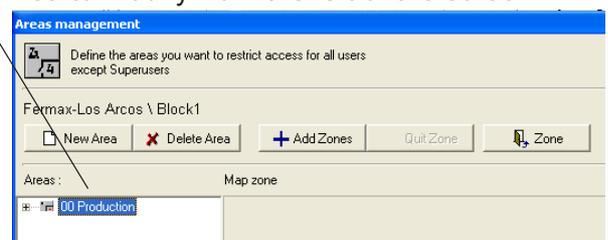
Access the Areas Screen (See Areas File), and select the Area to modify from the left of the screen.

Click **Delete Area** to delete the selected Area.

This screen comes up:



Click "Yes" to delete the Area or "No" to exit the <Delete Area> option.



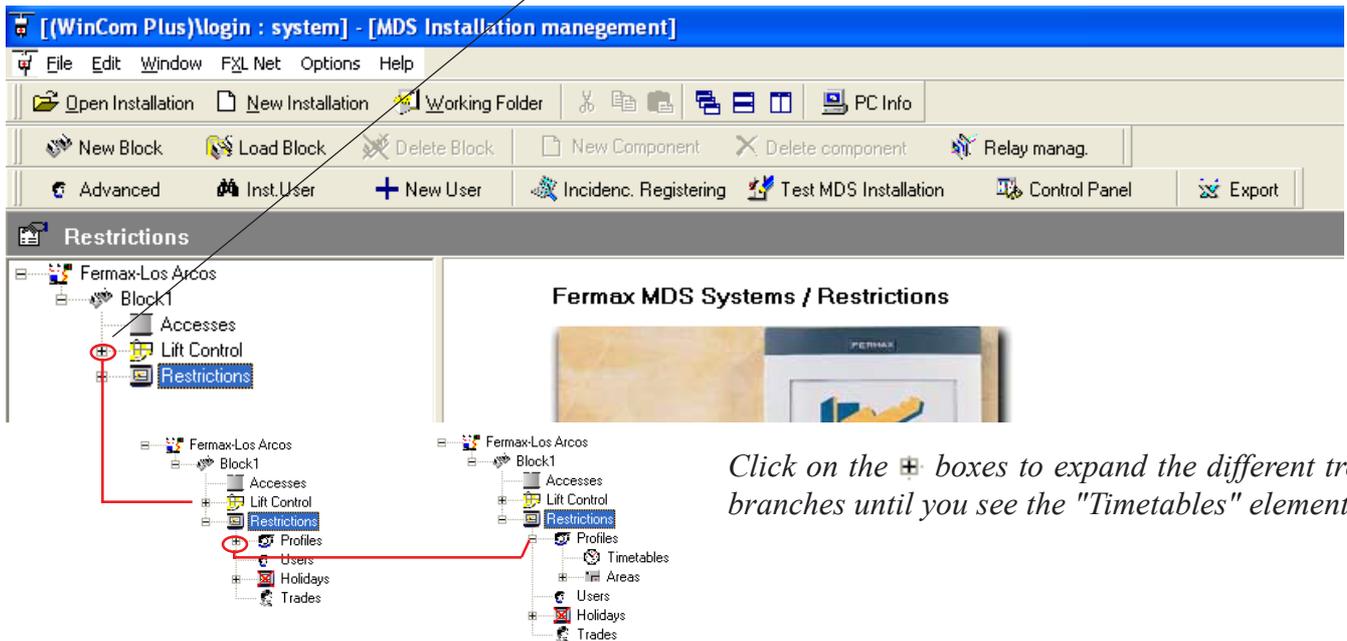
Once an Area has been modified or deleted, click on **X** to exit. The Central Unit updating screens shown at the start of this page will appear. Click OK to update the data.

TIMETABLES File

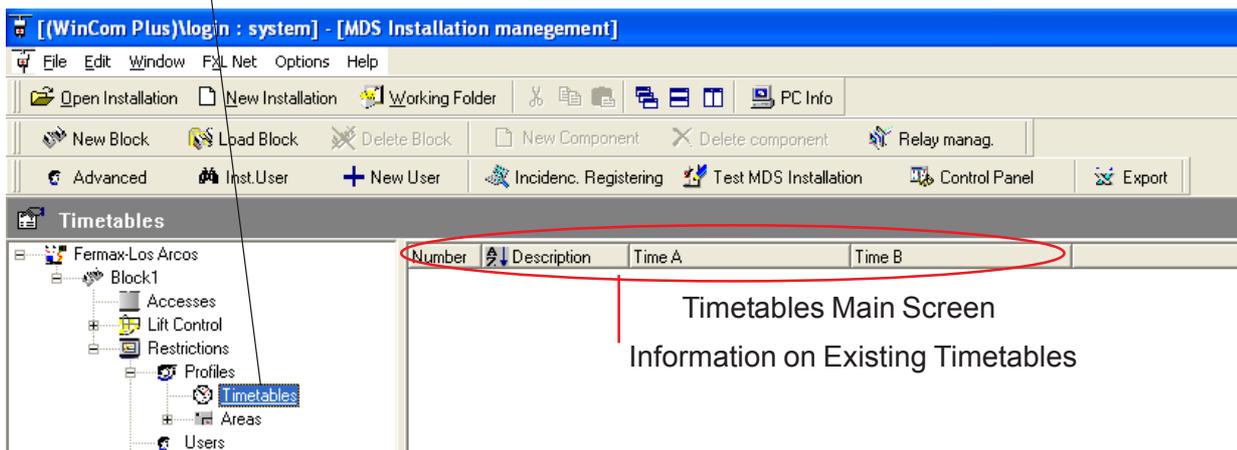
Restricts the access time of the users to certain Area/s or Zone/s.

We can **CREATE**, **MODIFY** or **DELETE TIMETABLES** assigned to Accesses or user profiles. (See Accesses File and Profiles File).

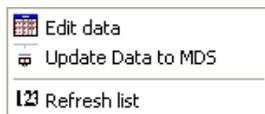
To access Timetables, click on the  box of the Restrictions component, on the left of the Main Screen, to expand the tree and view the elements of the Restrictions component:



Click on "Timetables" on the left of the screen. On the right side (Timetables Main Screen) the information on existing Timetables appears (if there are any):



Double click on the main Timetables screen or press the right mouse button and select the "Edit data" option from the pop-up menu:

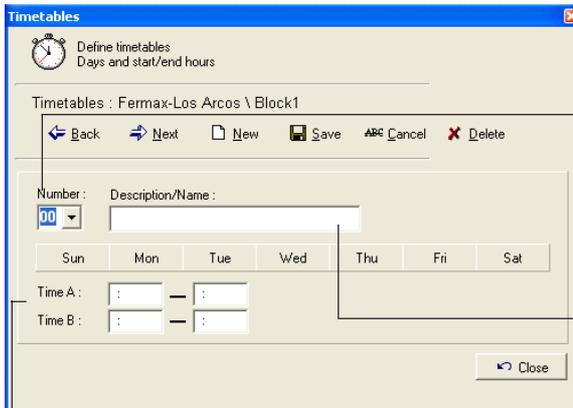


The following screen appears:

Remark

The Timetables Screen can also be accessed directly from the Accesses Screen (See Accesses File >> Create Accesses).

Create Timetables



Press **New** to create a new Timetables.

Fill in the following fields:

*** Number:**

Select the Timetable number from the drop down list (from 0 to 31).

This number identifies each timetable created.

*** Description:**

Enter a Timetable description. (e. g: Morning Shift)

*** Timetable A and B:**

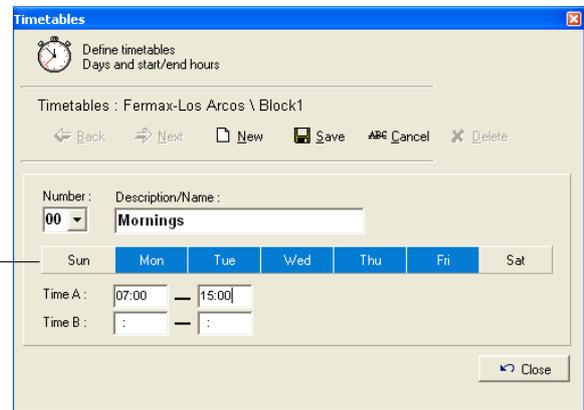
Indicate the time slot when the user will get access to a Zone or Area. Fill in the "Time A" box.

Two different time slots may be defined per TimeTable. To do so, use the "Time B" box.

*** Days of the week:**

Select the weekdays during which to apply the access Timetable.

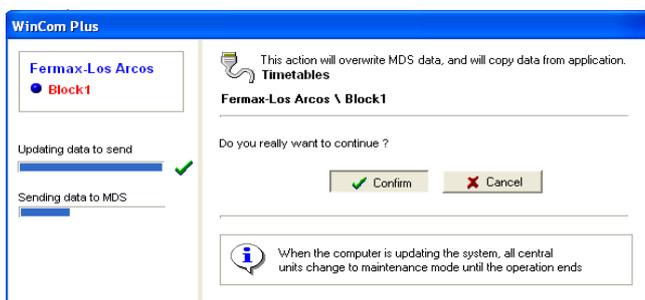
Click on the corresponding weekdays.



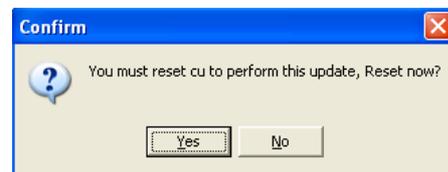
Press **Save** to save the new Timetable , or **Cancel** to cancel the creation of a new Timetable.

Once the data are saved/cancelled, the system must be updated.

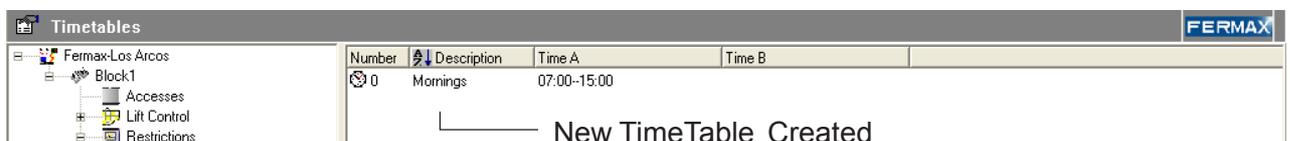
Press **Close** to exit. The following data update screen comes up:



Press **Confirm** to update and create the Timetable in the Central Unit.



Press "OK" to reset the Central Unit (*).



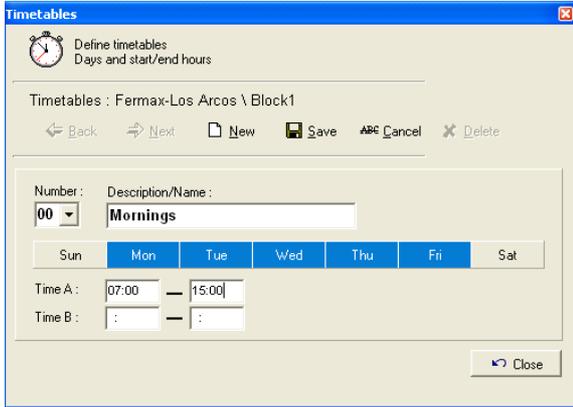
Remark

(*) The CU must be reset to activate the Timetable. If the CU is not reset at this time, it must be reset afterwards in order to initialise the Timetable values in the central unit.

Modify Timetables

Access the Timetables screen (See Timetable File), and select the Timetable to modify.

Use the  and  boxes to move through the different timetable created.

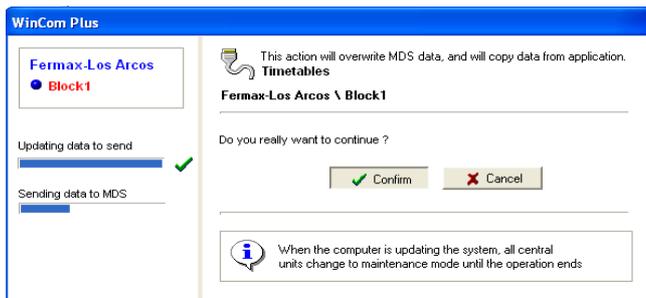


Make the necessary modifications, changing the timetable data: Description, Days of the week, Timetable A and/or B. (See TimeTables File >> Create TimeTables).

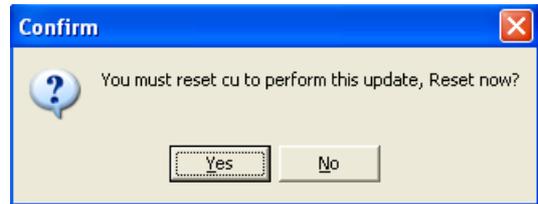
Press  to save the Timetables changes or  to cancel them.

Once the data are updated, the system must be updated.

Press  to exit. The following data updating screen appears:



Press  to update the timetable in the Central Unit.



Press "OK" to reset the Central Unit (*).

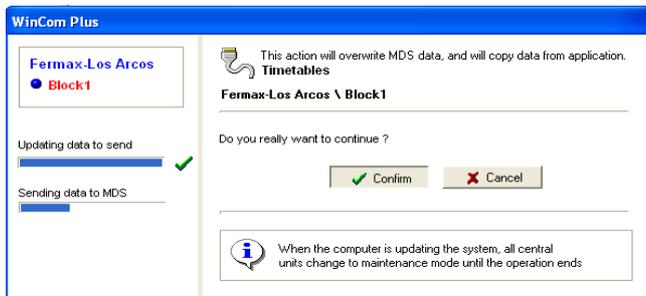
Delete Timetables

Access the Timetables screen (See Timetables File), and select the Timetable to delete.

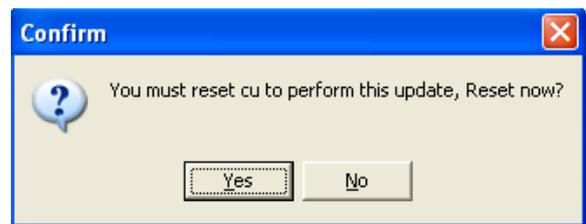
Use the  and  buttons to move through the different timetables created.

Press  to delete a Timetable.

Press  to exit. The following data sending screen appears.



Press  to delete the Timetable from the installation Central Unit.



Press "OK" to reset the Central Unit (*).

Remark

 (*) If the CU is not reset at this time, it must be reset later in order to initialise the TimeTables values in the unit.

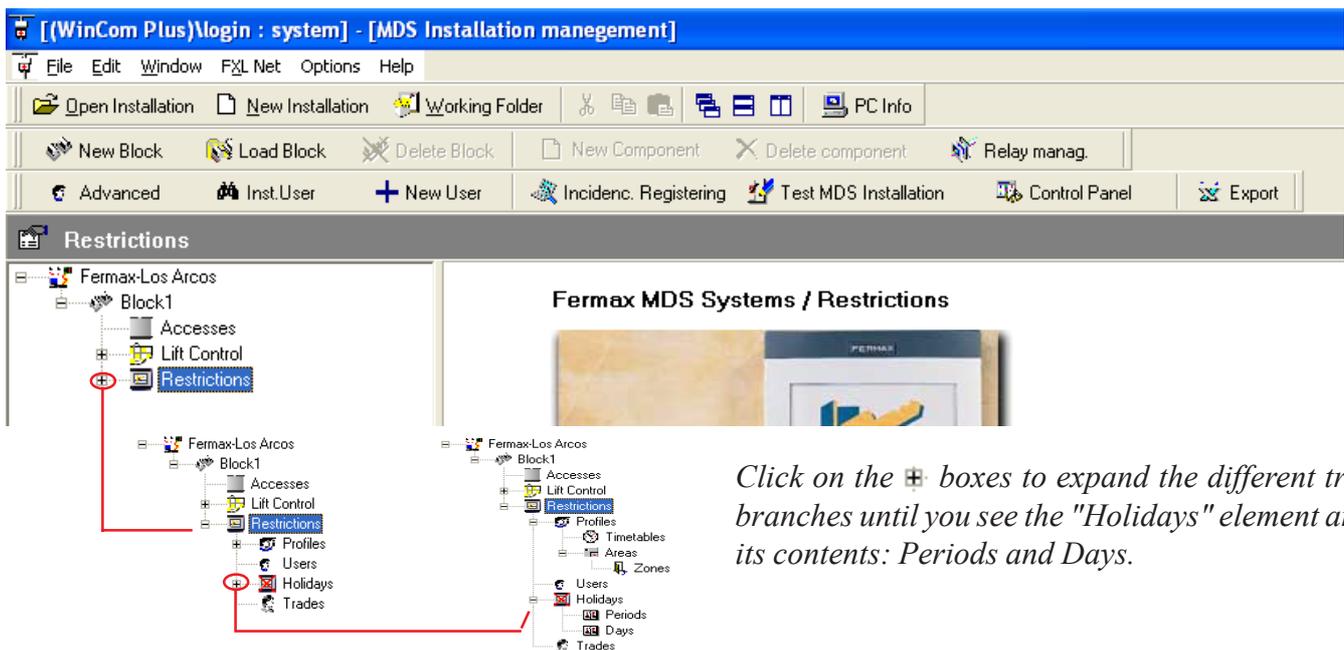
HOLIDAYS File

In the **HOLIDAYS** table, the days are defined that we want to restrict access for all except Super-users (See User Profiles File).

Up to 3 **Individual Days** may be defined (DD/MM) for example Public Holidays, and up to 2 **Time Periods**, setting the start day (DD/MM) and the finish (DD/MM).

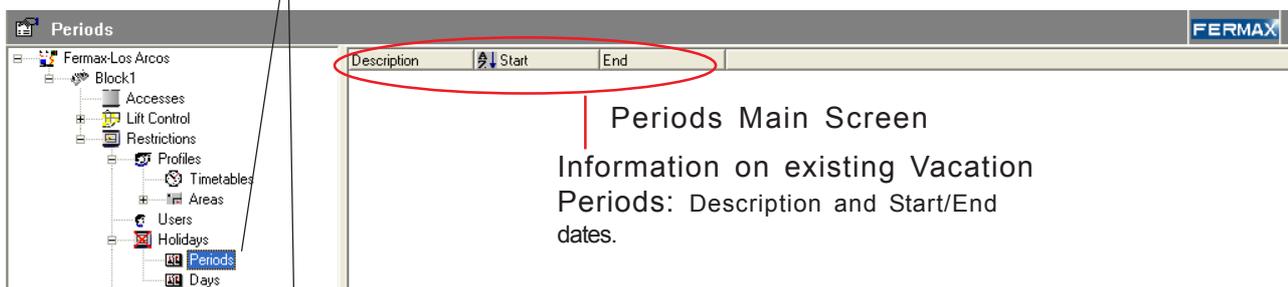
Holidays Screen

On the left of the Main Screen, click on the Restrictions box  component to display the tree and view the elements of the Restrictions component:

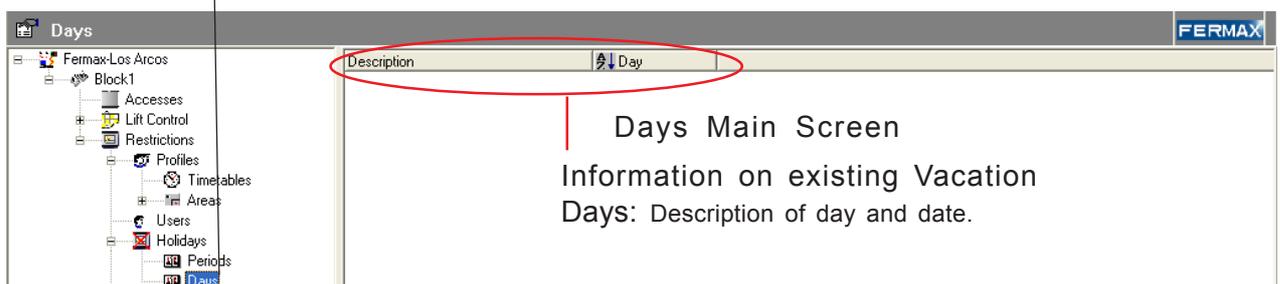


Click on the  boxes to expand the different tree branches until you see the "Holidays" element and its contents: Periods and Days.

Click on "Periods" or "Days" on the left of the screen. Information appears (Main Screen Periods/Days) on the existing Holidays periods or days (if there are any):



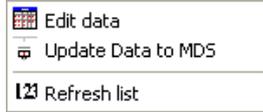
Periods Main Screen
Information on existing Vacation Periods: Description and Start/End dates.



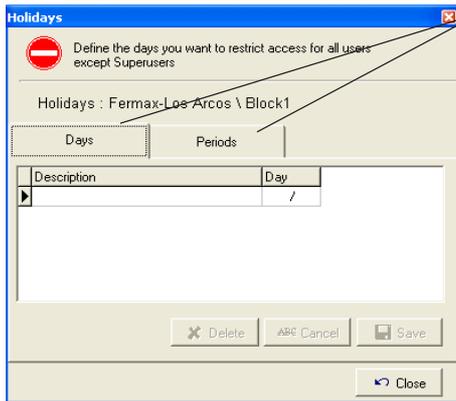
Days Main Screen
Information on existing Vacation Days: Description of day and date.

Create Holidays Days and Periods

Double click or press the right mouse button and select the "Edit data" pop-up menu option:



This screen comes up:



Select the "Days" or "Periods" tab and then enter the data needed to define the days and holidays periods during which access is restricted to users (except for super-users; See User Profiles File).

Create Days

*** Description:**

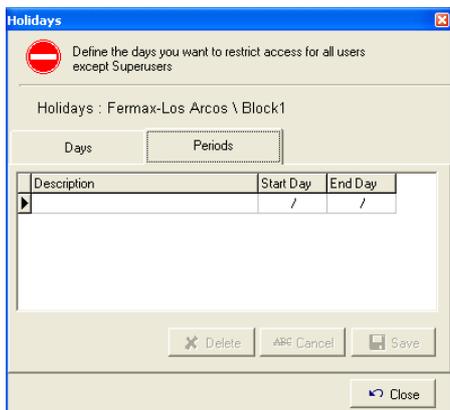
Enter a description of the day.

Description	Day
Christmas	25/12
Local	19/03

*** Day:**

Enter the day (DD) and month (MM) during which access is to be restricted.

Create Periods



*** Description:**

Enter a description of the period.

*** Start Day:**

Enter the day (DD) and month (MM) of the start of restricted access.

*** End Day:**

Enter the day (DD) and month (MM) of the end of restricted access period.

Description	Start Day	End Day
Summer Holidays	01/08	01/09

To add a new day or period, use the tab keys or arrow keys to move on to the next one. There may be a maximum of 3 holiday days and 2 vacation periods.

Once the data are entered in one or both tabs, press Save to save the data.

If you wish to Cancel the introduction of any data, press Cancel to cancel the edition.

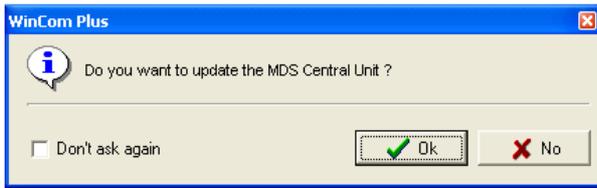
Press Close to exit.

The data update screen appears:

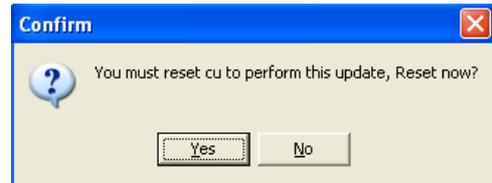
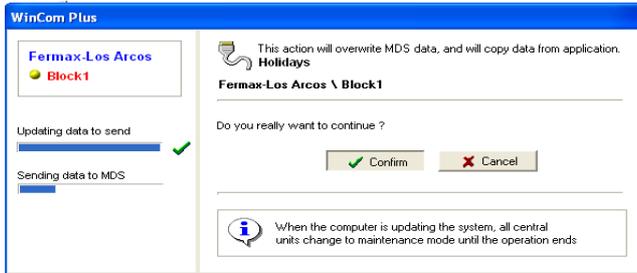
Remark



If you do not update the data in the central unit at this point, the data must be updated later for the installation to work correctly and recognise the new changes.



Press to update and create the Holidays restriction in the Central Unit of the installation.



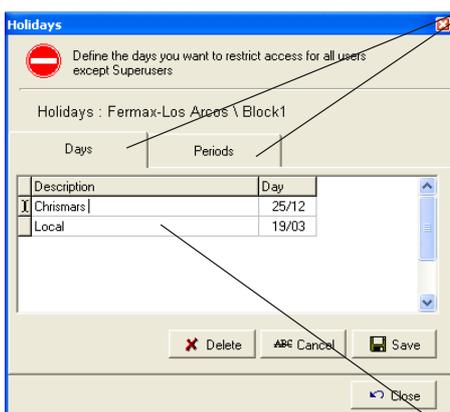
Click "OK" to reset the Central Unit (*).

The Days/Periods Main Screen shows the new days and periods created:



Modify and Delete Days and Periods

Access the Days or Periods screen (See Holidays File). Double click on the Days/Periods main screen:



You can move through the different Days or Periods to be modified or deleted, selecting each of the tabs.

Modify Days and Periods

Modify the desired data for each Day or Period.

Once the data are modified in either tab, click to save the data.

Should you wish to Cancel the introduction of any data, press to cancel the edition.

Delete Days and Periods

To select the Day or Period to be deleted, click on it and press .

Once the Days or Periods are Modified or Deleted, click to exit. The Central Unit update screen appears, as shown at the start of this page, to carry out the same process.

Remark



You can reset the Central Unit if you are physically connected to it. Otherwise, later you will have to send the new data to the CU and reset it so that it recognises the changes.

If you try to update or reset the CU without being connected to it, a warning message will come up. ("See Data Update File").

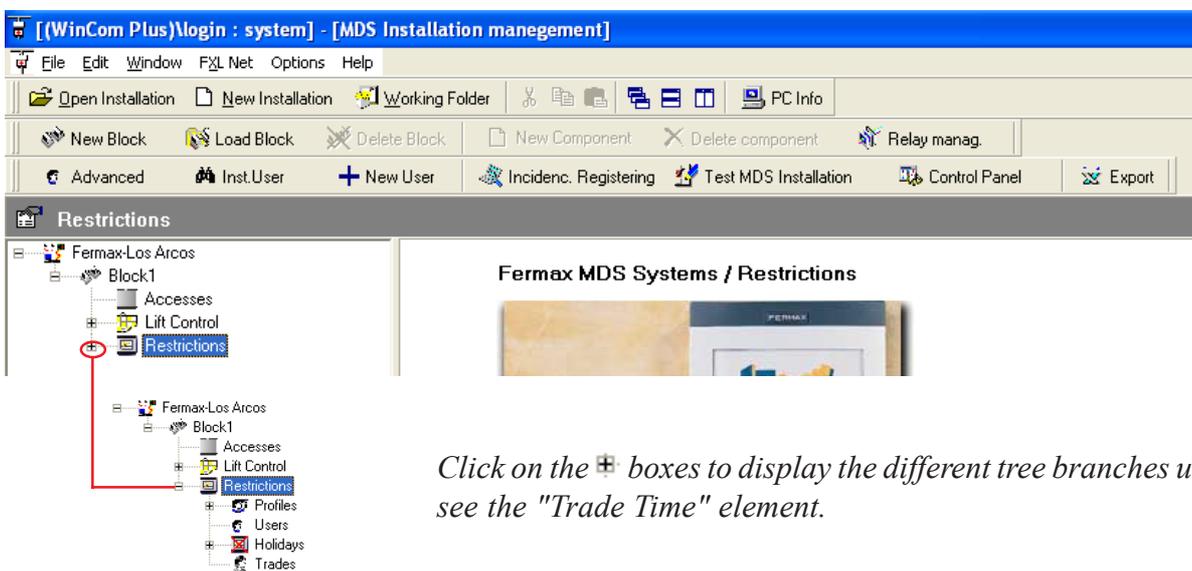
TRADE TIME File

Lets you authorise the activation of "Trade Time" assigned to an Access for one or several Users (See Accesses File>>Create Accesses>>Trade Time).

During Trade Time, any person can open the door: visitors, by pressing the "A" key on the panel keypad, or residents with their user device.

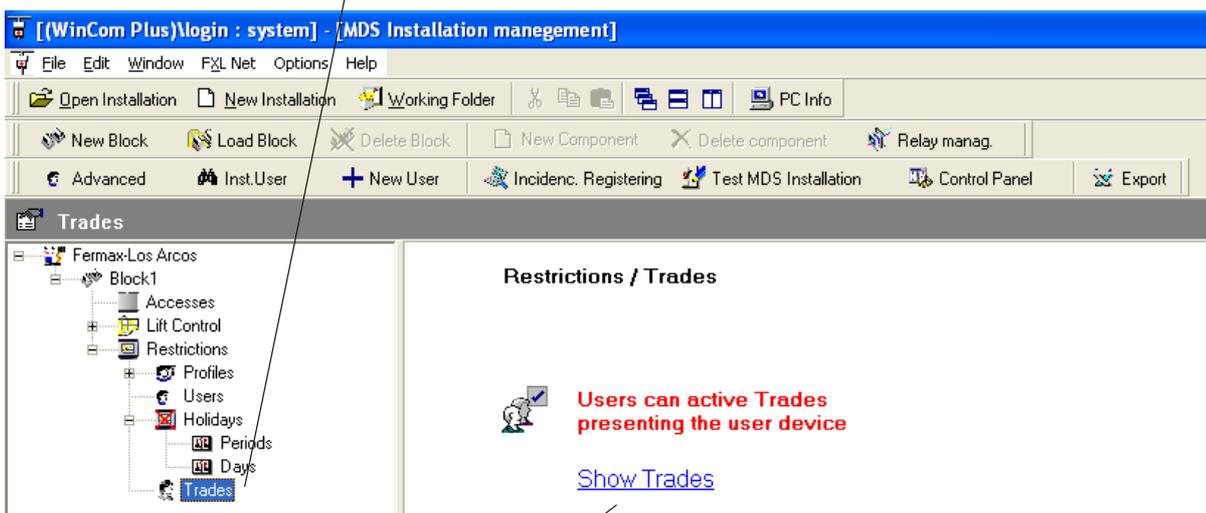
Authorised users can activate the "Trade Time" period by presenting their user device to the reader at this access within the time defined in Trade Time-Start and End. (The Free Time is defined by Access. See Access File).

To access Trade Time, click the  box of the Restrictions component on the left of the main screen to display the tree and view the Restrictions component elements:



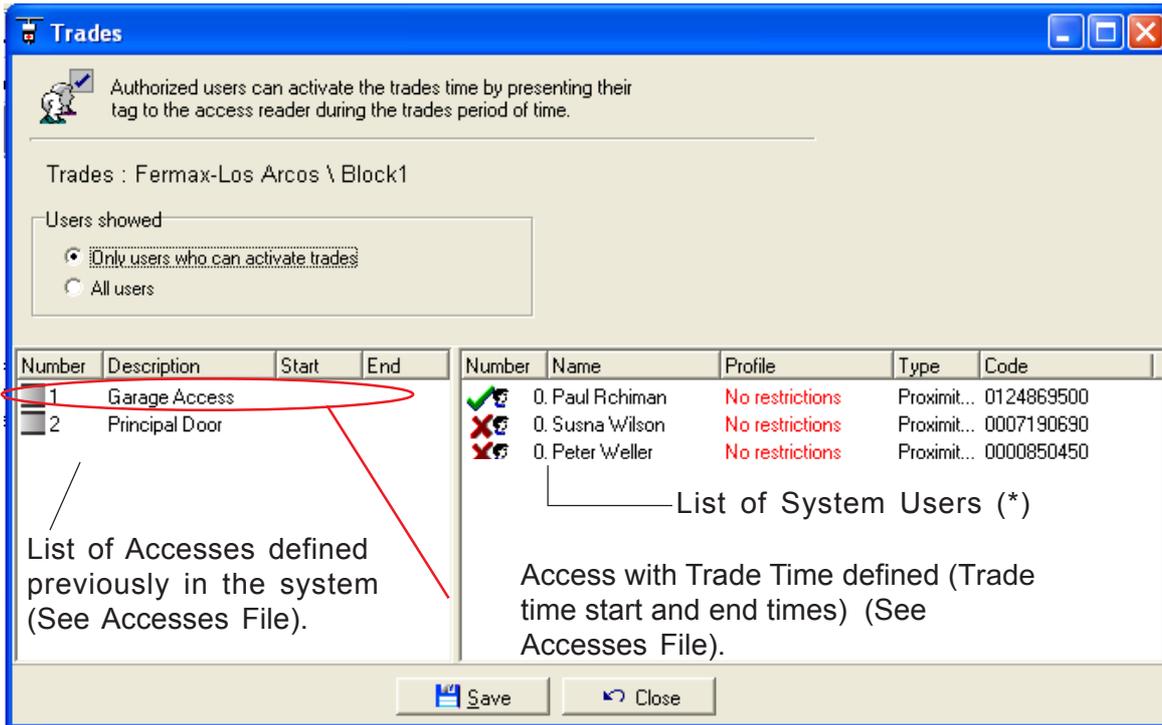
Click on the  boxes to display the different tree branches until you see the "Trade Time" element.

Click on "Trade Time" on the left of the screen. The Trade Time Main Screen appears on the right:

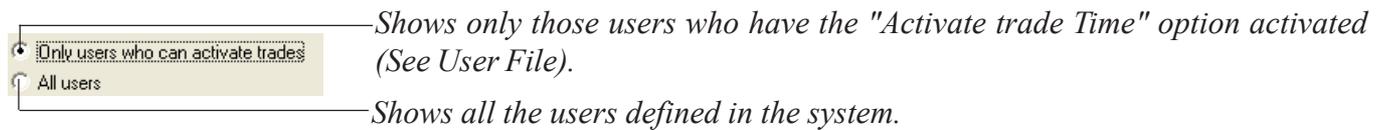


Click on [Show Trades](#) on the "Trade Time" main screen.

The following screen comes up:

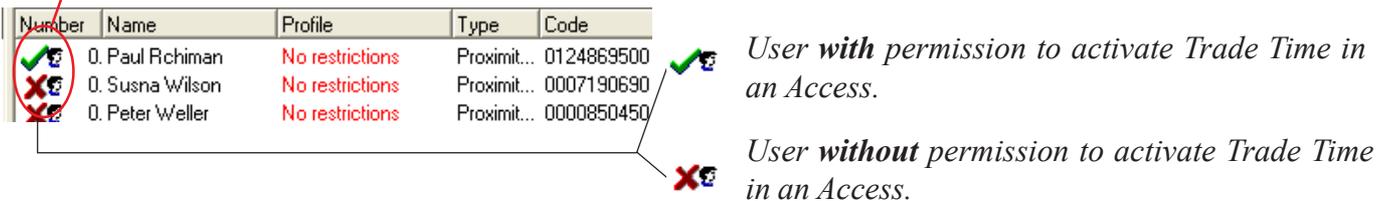


(*) The users list shown depends on the box activated:



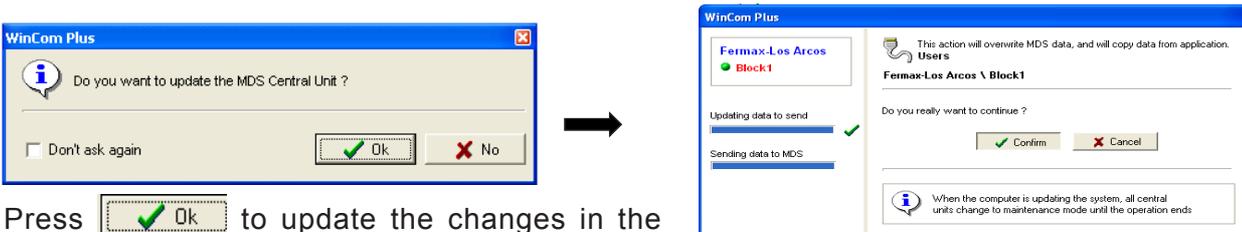
Trade Time Activation

To enable a user to activate Free Time in an Access, click on the corresponding user icon. The icon shows the image:



To cancel the permission, click on the user icon again. The icon image changes:

Press Save to save the changes on the lower part of the screen or click Close to exit the "Trade Time" screen. When the data are saved, the data update screen appears:



Press Ok to update the changes in the installation Central Unit.

Press Confirm to confirm the corresponding modifications in the installation Central Unit.

Remark

Double click on the Accesses list to go directly to the Accesses Screen, where you can now define the start and end of Trade Time for the Accesses.

User PROFILES File

A Profile defines the Level of access a User has. It consists of the combination of Areas and Timetables; i. e. a certain Profile will allow access to one or several Areas (defined previously; See Areas File) within a set Timetable or Timetables (defined previously; See Timetables File).

Up to **64 Profiles** can be defined. There are 4 predefined:

Reset Capacity:

This profile lets you set the capacity of a zone to zero, when reaching its maximum capacity.

Usually associated with a card that is presented at the Zone Access whose capacity we want to set to zero.

Super-users no Incidents:

Users with no type of restriction. They have access to all Zones/Areas, even when maximum capacity has been reached.

User incidence are not registered (See Incidence Register File).

Super-user:

Users with no type of restriction. They have access to all Zones/Areas, even when maximum capacity has been reached.

User incidence are registered (See Incidence Register File).

No Restrictions:

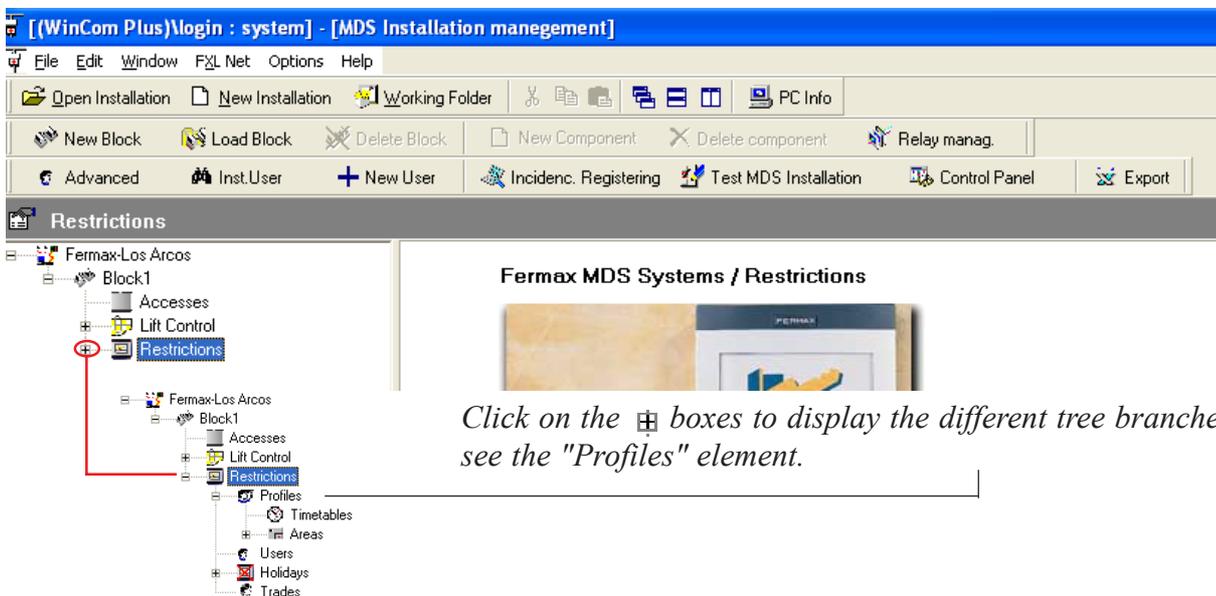
Users whose access restriction is determined by the Timetable defined in each of the Installation Accesses.

User incidence are registered (See Incidence Register File).

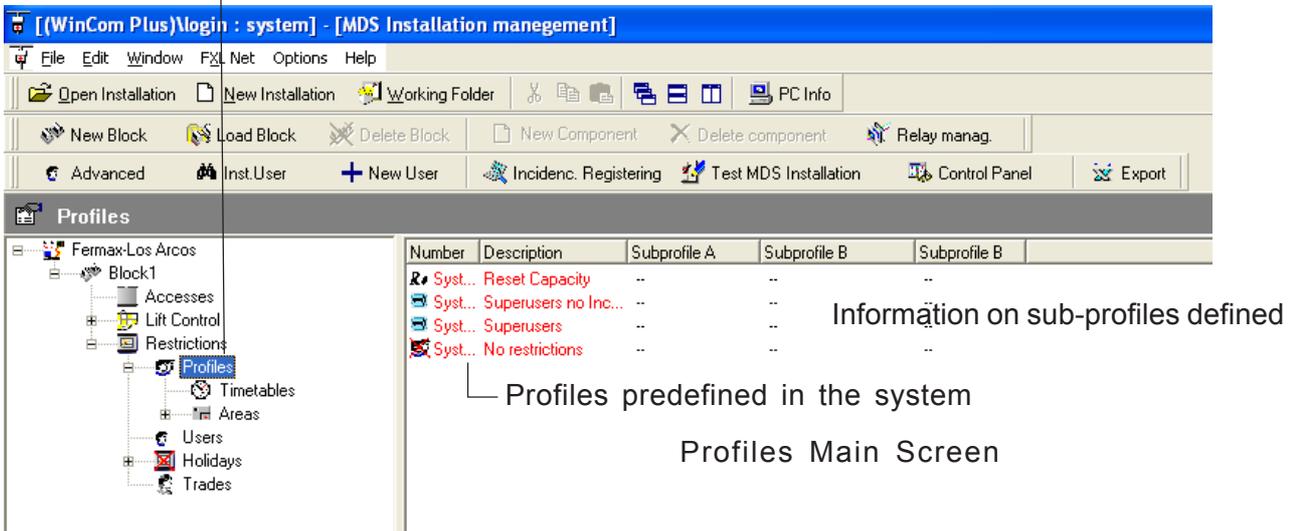
Every user is assigned one of the predefined or created profiles, so assigning a certain Level of access for each User (See Users File).

Screen Profiles

On the left of the main screen, click on the  box of the Restrictions component to display the tree and view the elements of the Restrictions component:



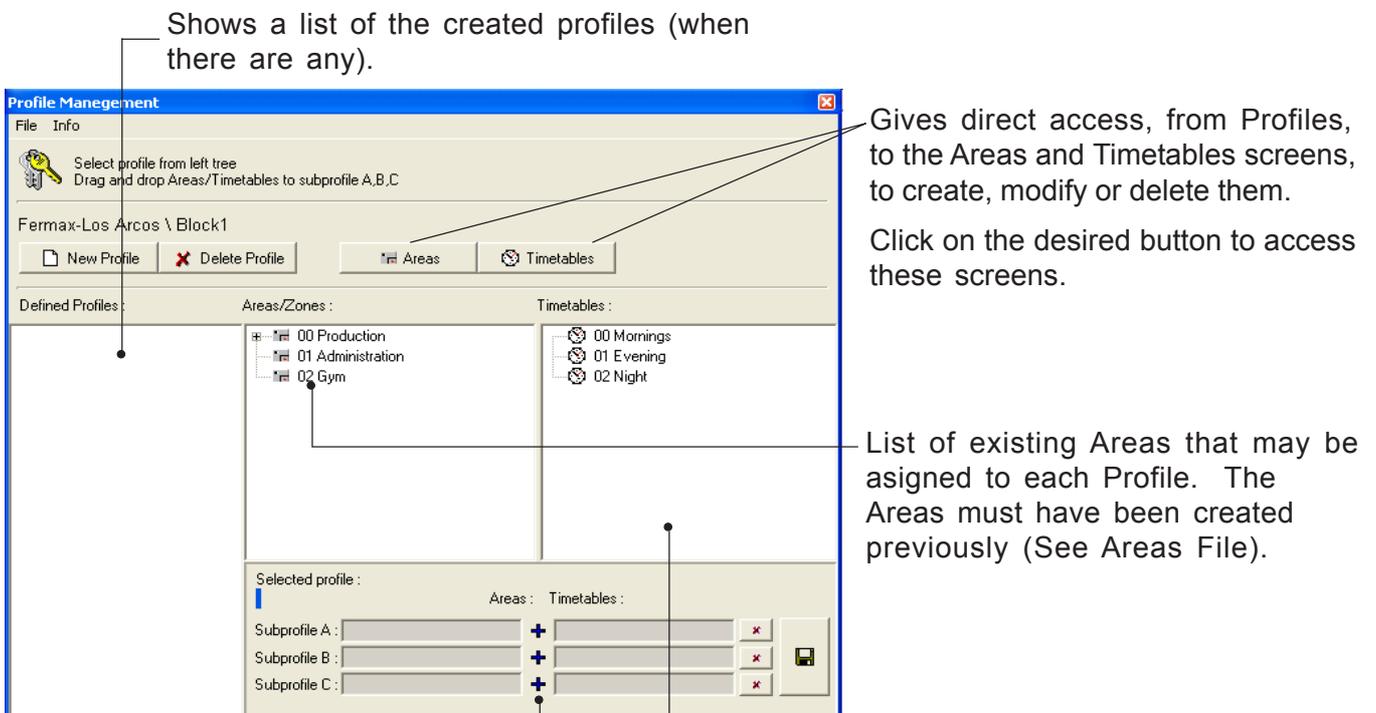
Click on "Profiles" on the left of the screen. On the right (Profiles main Screen), is information on the predefined Profiles (if there are any):



Double click on the Profiles Main Screen or press the right mouse button and select the pop-up menu "Edit data" option:



This screen comes up:

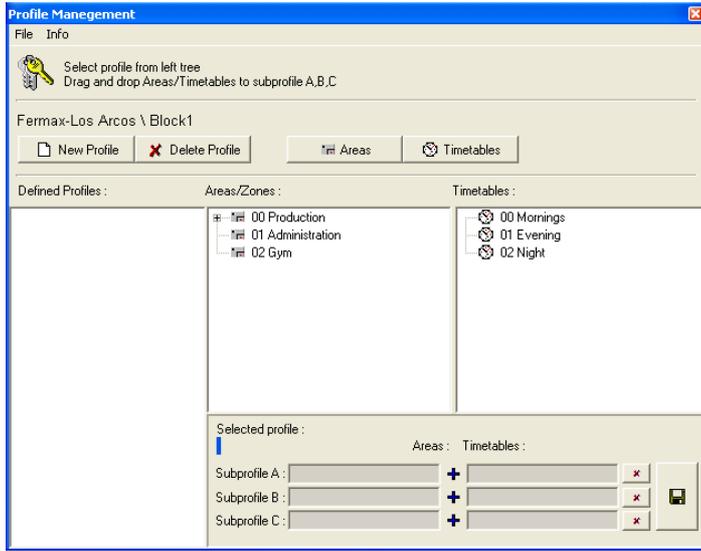


Sub-profiles: Combinations of Areas and Schedules assigned to or making up a Profile.

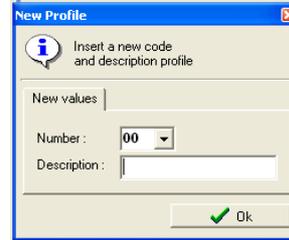
A profile is composed of at least one sub-profile.

List of existing Timetables that may be assigned to each Profile. Timetables must have been created previously (See Timetables File).

Create Profiles



Press  **New Profile** to create a new Profile.



Fill in the following fields:

* **Number:**

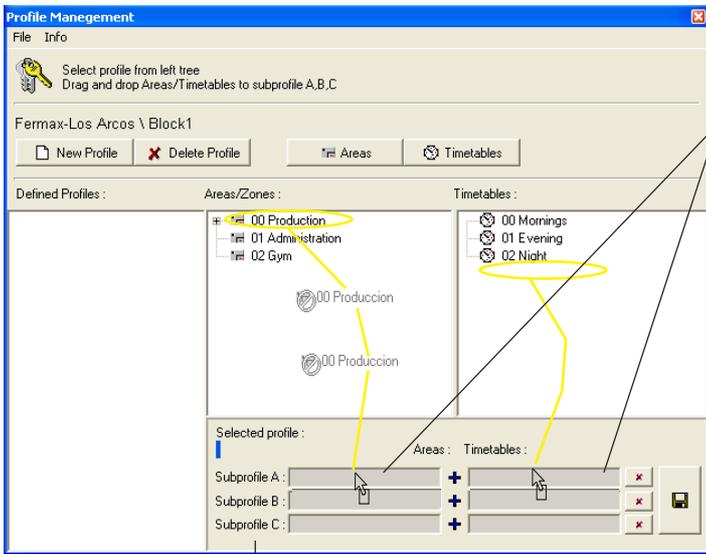
Select the number to identify each Profile from the drop down list.

* **Description:**

Write a description of the profile to be created.

Press  **Ok** to create the name and number of the new Profile.

The next step is to assign the Areas to which the Profile will have access and the access Schedule to these Areas, creating the Sub-profiles that make up the Profile.



To do so, click the left mouse button over the desired Area and drag the Area to the zone "Sub-profile Areas A, B or C".

Do the same with Timetables.

Press  to delete the Areas and Timetables of a Sub-profile.

You can create up to three Sub-profiles, combining different Areas and Timetables .

Press  to save the Sub-profiles of the Profile.

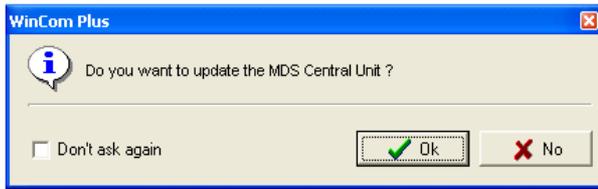


Press "OK" to close the window.

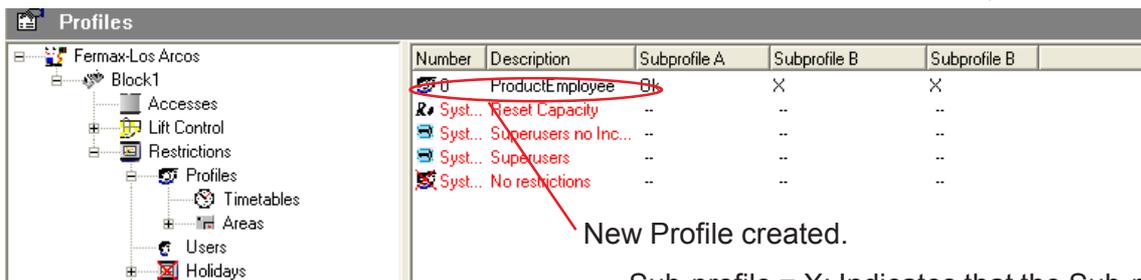
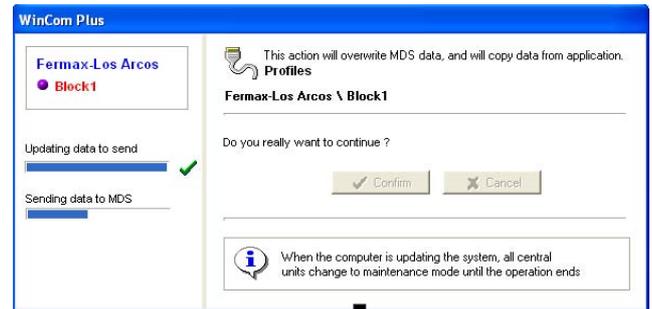
The Profile has been created with its corresponding Sub-profiles that contain access Areas and Timetables permitted for this Profile.

Click on the  icon in the upper right corner of the window to close.

The following data update screen appears:



Press to update the installation Central Unit.



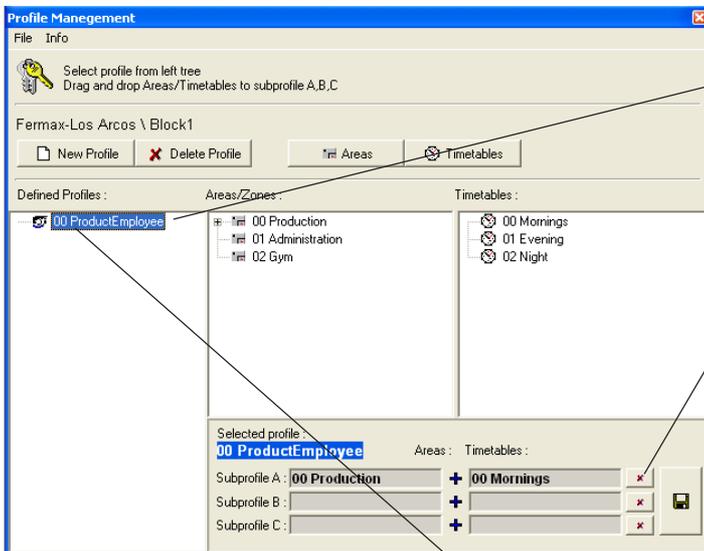
New Profile created.

Sub-profile = X; Indicates that the Sub-profile contains an Area and access Timetables.

Sub-profile = Accept; Indicates the Sub-profile does not contain an Area or access Timetables.

Modify and Delete

Access the Profiles Screen (See Profiles File - Profiles Screen).



Modify Profiles

Select the Profile to be modified and make the changes required, adding, deleting or modifying the Sub-profiles:

Press to delete the Sub-profile.

- Drag the Timetable and/or Area to Sub-profile A, B or C to create a new Sub-profile for the Profile.

Press the save the profile changes.



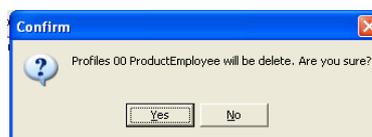
Click "OK" to close the window.

Delete profiles

Select the profile to be deleted by clicking on the profile on the left of the screen.

Click to delete the Profile:

Click "Yes" to delete the profile definitively or "No" to cancel Deletion.



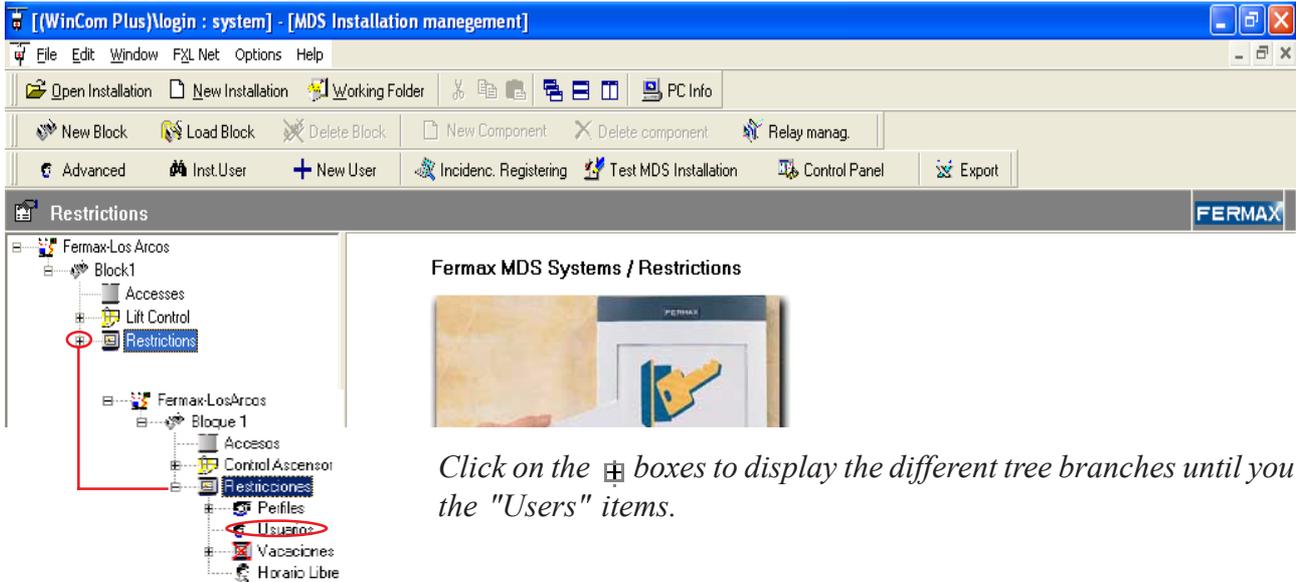
Once the profile is Modified or Deleted click to exit. The Central Unit updating screens appear, shown at the start of this page, to carry out the same process.

USERS File

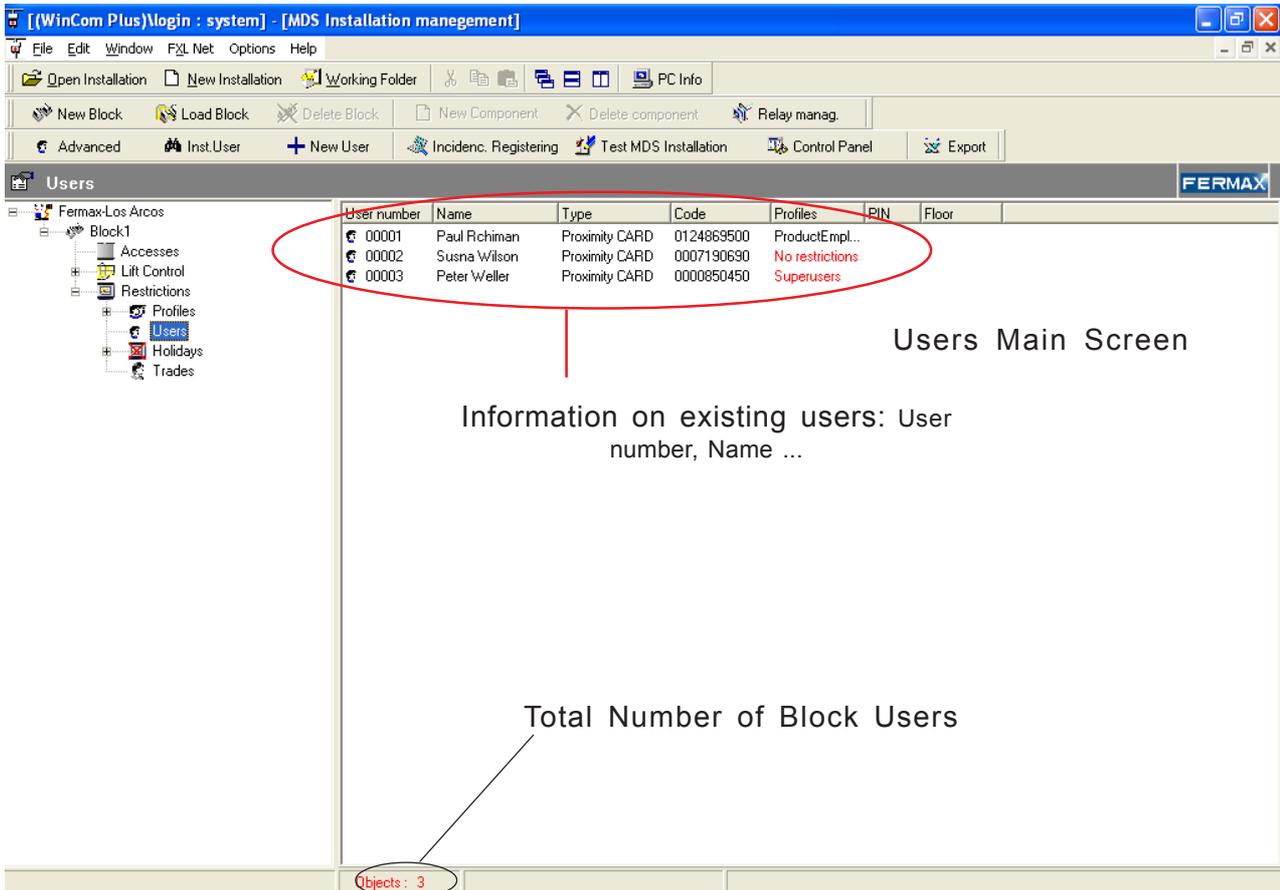
It lets you to Create (up to 1021 users), Modify and Delete users from a Block/Central Unit.

Users Management Screen

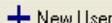
On the left of the main screen, click on the  box of the Restrictions component to display the tree and view the Restrictions component items:

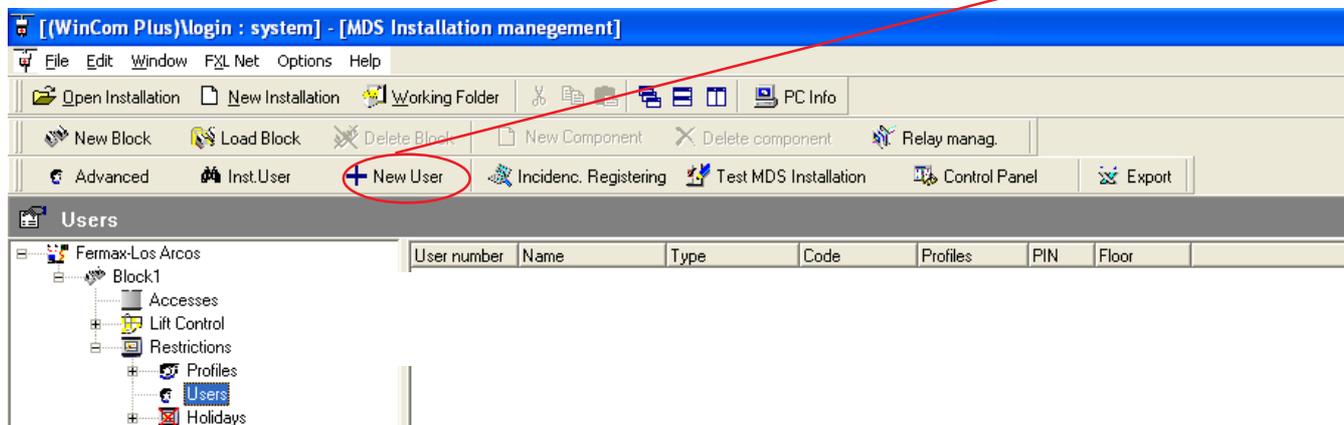


Click on "Users" (on the left of the screen) and information on the existing Users (if there are any) appears on the right side (Users Main Screen):

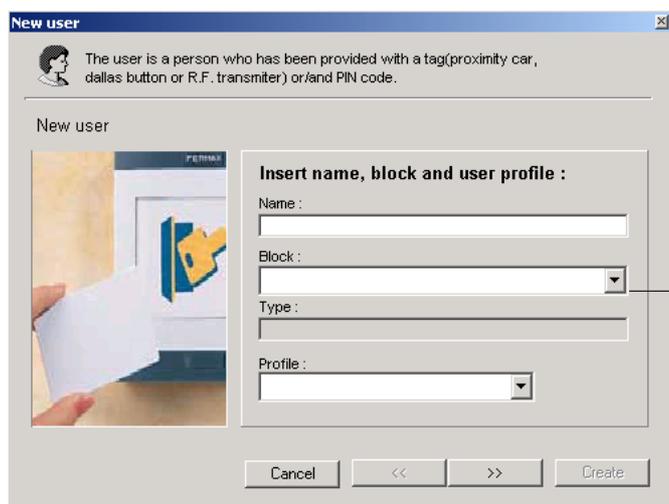


New User (create users)

To access the New User screen at any time, click the  **New User** button on the main Screen toolbar.



The New User screen comes up, where we can authorise the installation users.



* **Name:**

Indicate the user name.

* **Block:**

Indicate the block where the new user is to be authorised. A block belonging to the installation may be entered.

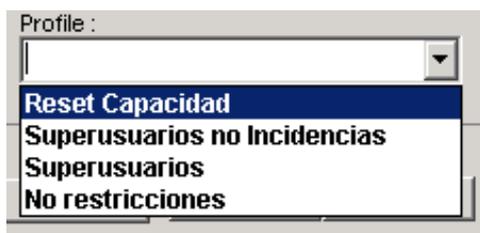
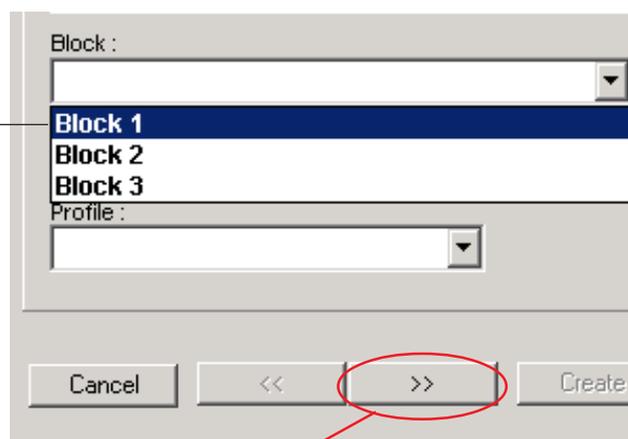
* **Type:**

Information on type of installation ():*

Digital Controller, Audio, DC+Audio.

* **Profile:**

Lets you select the new user profile () from among the standard system profiles or those defined in the Profiles File.*

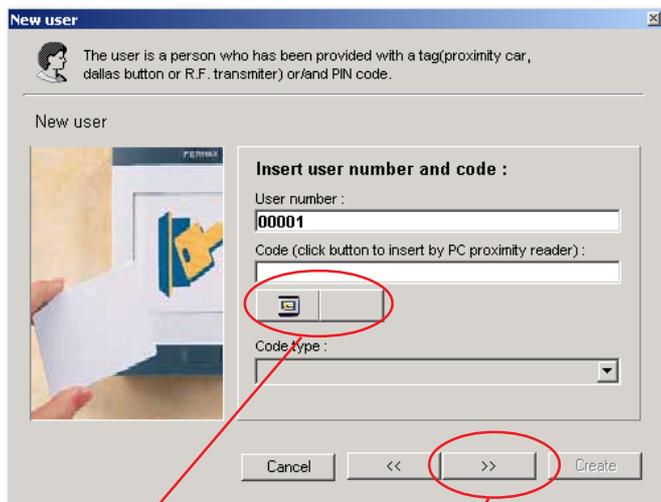


Once the data have been entered in this screen, click to move on to the following screen.

Remark



(*) The **Type** and **Profile** options have already been defined previously. See New Installation File and Profiles File.



See details (*) on this page

Once the data have been entered in this screen, click to move on to the following screen.

*** User Number:**

A number generated automatically between 1 and 65534 for internal system use.

User numbers cannot be repeated.

*** Access Code:**

User device access code number.

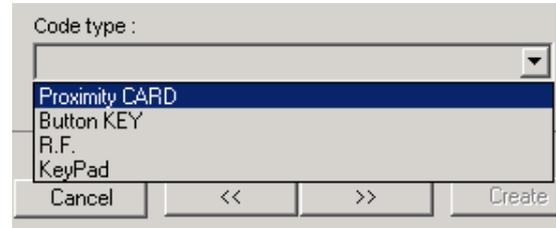
Each user has a user device code that can be assigned to a: proximity card, button key or RF remote. These devices have a 10-digit code (never repeated) that identifies the restrictions applied to the user in the system. In some cases, users can open the door by 4, 5 or 6 digits via a personal keypad code using a keypad reader.

*** Access Code Type:**

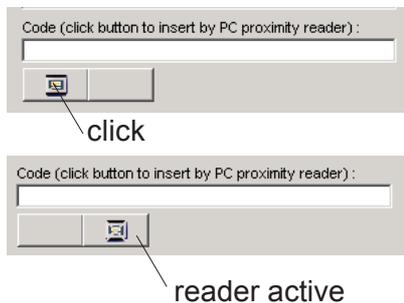
Corresponds to the type of access device.

To select, open the drop down menu.

Code Type may be: proximity card, button key, RF remote or keypad digits.



(*) Details of this point of the screen:



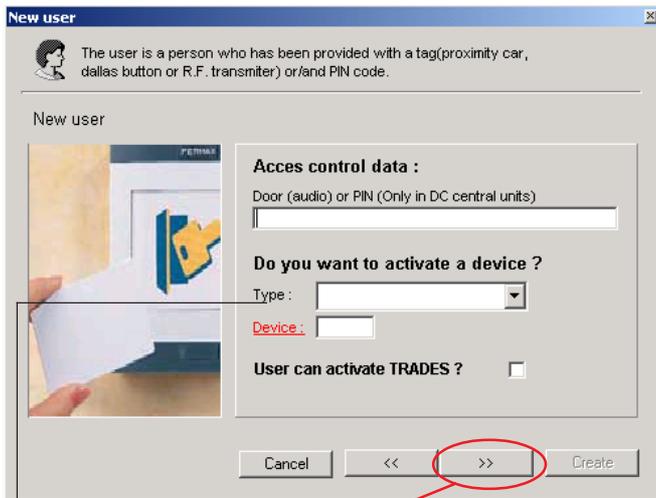
The proximity Cards may be authorised manually. Activating the reader icon, by means of a "PC Management Module Ref. 2349", we can read the card codes and transfer them directly to the computer (without having to write them in manually).

Remark



The other user device codes can only be authorised in the system manually.

In addition, you can combine the user device validation with a keypad PIN code.



Panels required to use PIN Code.



* **Access control data:**

Enter PIN number.

Always 4 digits.

Once the data have been entered in this screen, click to move on to the following one.

* **Activate Device?**

Lets you activate a sensor or relay.

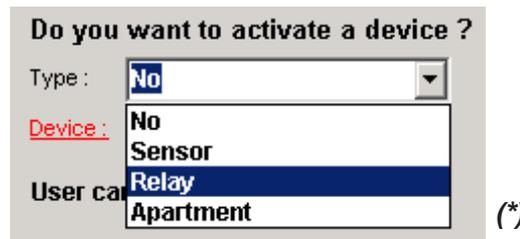
Select from drop down menu.

* **Device:**

Enter number of device to be activated.

* **Trade Time (TRADES):**

Used when a user has permission to activate the free entry period by presenting their card to the access reader during this period.

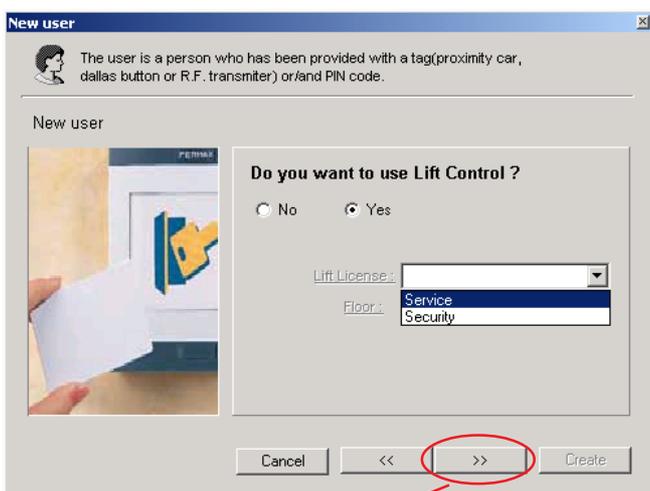


Remark

The Relays and Sensors used must be defined. See Relays Management and Sensors Files.

(*) If Apartment is chosen when there is a 2H Decoder, showing our card to any reader, we'll be able to arm and disarm the alarm system (DETECTA 4 Monitor) or domestic (OINLINE Monitor).

This screen is filled in if you desire lift control.



* **Lift Licence**

Lets you assign the user a licence from the drop down list.

These licences must be previously defined. (if this option is required) See Lift Control File.

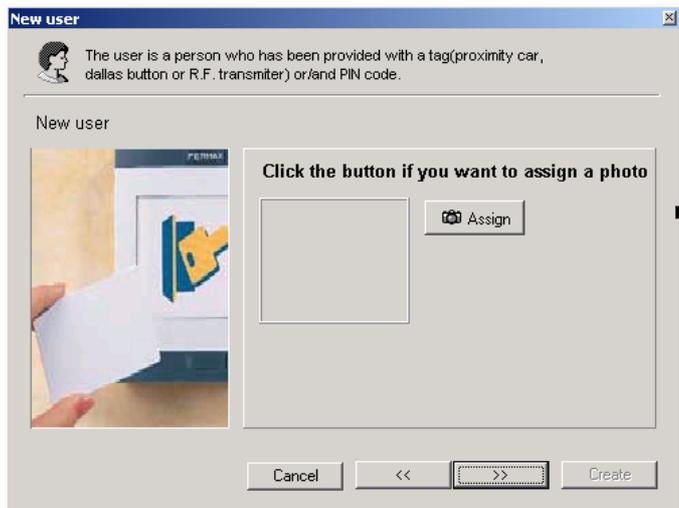


* **Floor:**

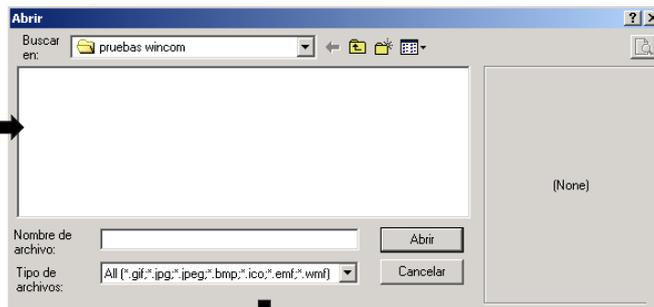
Indicates the floor where the user is allowed to access.

Once the data have been entered in this screen, click to move on to the following one.

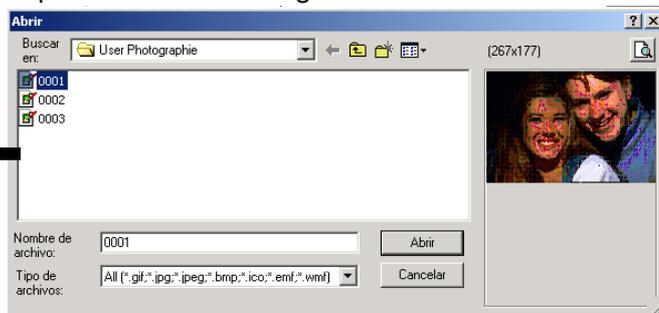
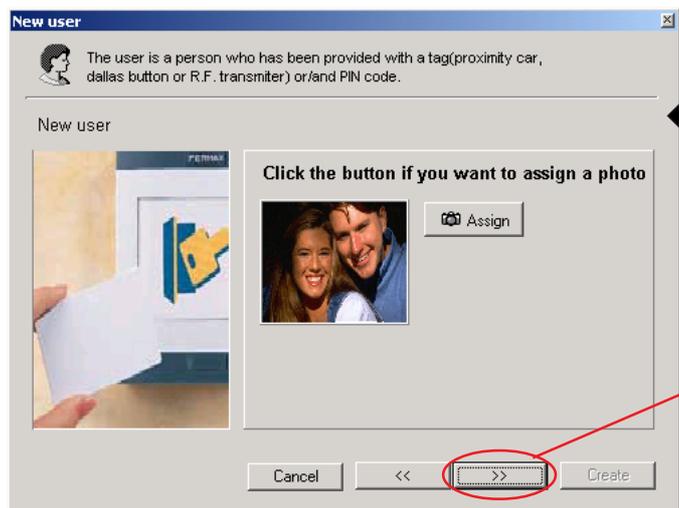
An image or photo may be added to the user (for identification), to do this, click "assign".



When you click the button, the following screen appears.

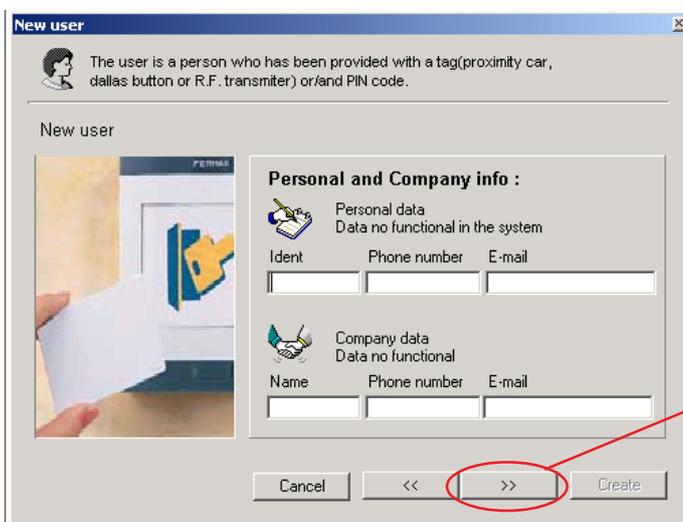


Select the image file from the directory and click "open" to load the image.



Once the data have been entered in this screen, click to move on to the following one.

This screen can be used to enter personal or company details, such as: name, telephone and e-mail.

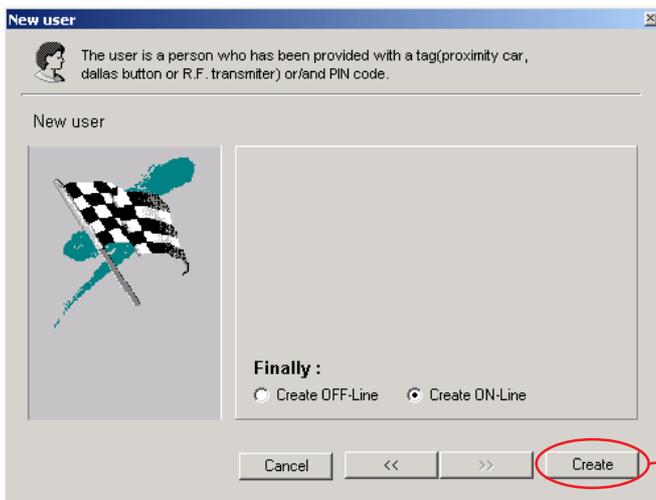


Once the data have been entered in this screen, click to move on to the following one.

Remark



These data are optional and informative, and will only be saved in the PC.



*** Append User ON Line/OFF Line Users:**

You can create ON Line or OFF Line Users, depending on whether you want to update the user data in the system at this time, or wait to update the data at another time.

If the ON Line box is activated: the user data are saved in the system at this time.

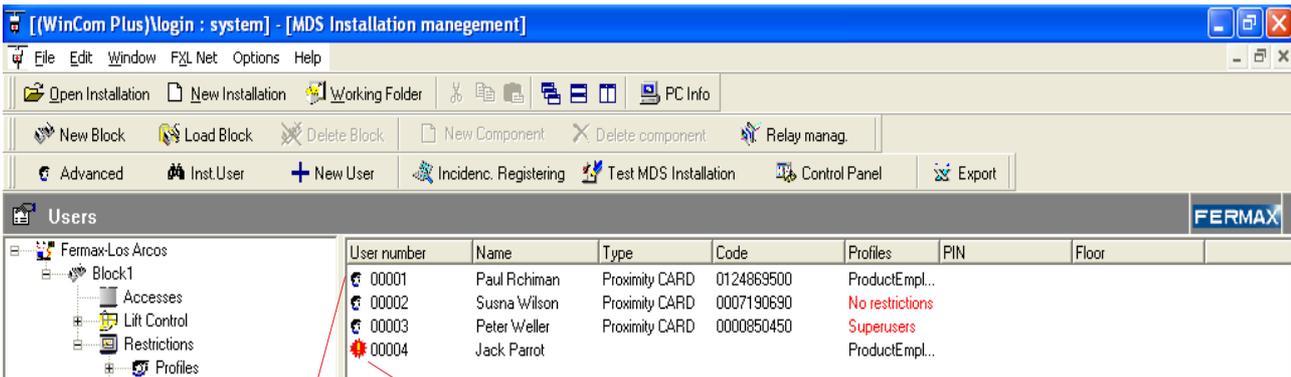
If the OFF Line box is activated: the user data must be updated later.

Press create to finish

Remark



We know which users are saved in the system by the icon shown in the "User Data Screen".

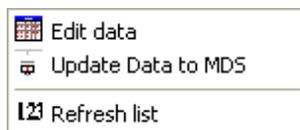
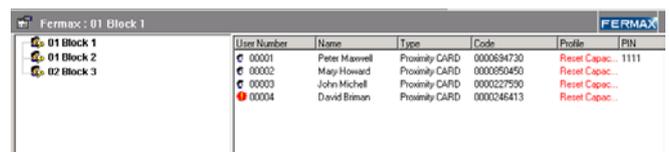
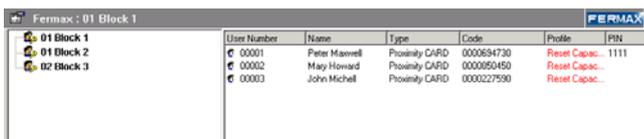


Icon indicating that the user has been saved in the Central Unit (ON Line)

Icon indicating that the user has NOT been saved in the Central Unit (OFF Line)

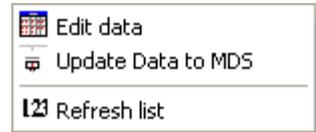
If the user is created ON Line, the PC must be connected to the installation.

The screen comes up once the user is created. If it does not appear, refresh the screen. Select the "refresh list" option by clicking the right mouse button.

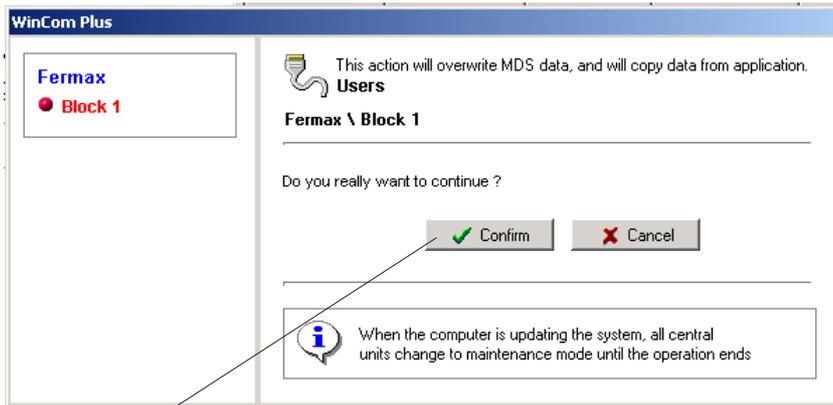


*** Authorising OFF Line Users:**

If the OFF Line box is activated: the user data must be updated afterwards. Pressing the right mouse button and selecting "update" we can update the users list of the block selected.

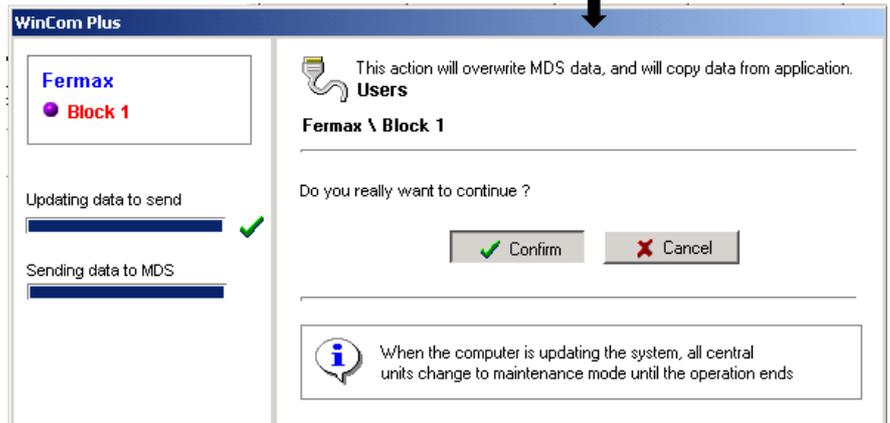


When selecting update, we must confirm the data update.

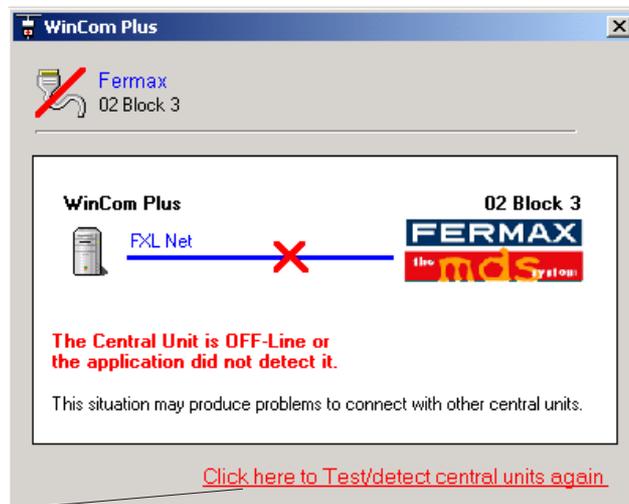


Enter the password, which by default is *ferma*.

confirm



If the system is not connected to the installation, the following warning message will appear to let us run the Test again.



Press to run a new test

Modify/Delete User

Modify User

While in the "User Data Screen", to be able to change the data on a user, select the user to be modified by double clicking on it.

User number	Name	Type	Code	Profiles	PIN	Floor	
00001	Paul Rchiman	Proximity CARD	0124869500	ProductEmpl...			
00002	Susna Wilson	Proximity CARD	0007190690	No restrictions			
00003	Peter Weller	Proximity CARD	0000850450	Superusers			

The following screen comes up.

General

ON-Line
OFF-Line

General | Info | Access control

All fields marked with an asterisk (*) must be filled for a right access control
Fermax \ Block 1

* User Number: 00001
* Name: Peter Maxwell
PIN: 1111
Floor: 01
Apartment:
* Code: 0000694730
Code type: Proximity CARD

We can move through the different data to be modified, selecting each of the tabs.

- * *General*
- * *Info.*
- * *Access Control*

Only accessible in audio systems.

Info

ON-Line
OFF-Line

General | Info | Access control

User data (these data dont keep in C.Unit)
Peter Maxwell

Personal
Ident: PVV
Phone number: 0208 5332445
E-mail: peter@fermax.es

Company
Name: Fermax
Phone number: 00 34 961378000
E-mail: fermax@fermax.com

Access Control

ON-Line
OFF-Line

General | Info | Access control

Access / Lift Control and Device information
Peter Maxwell

Access and Lift Control
Profile: 120 Reset Capacidad
Lift Group: 2 Security
User can ACTIVATE TRADES:

Device to activate
Device type: Relay
Device: 103

Once all the modifications are made, we must save the changes by pressing





Remember that depending on the activation of the ON Line/OFF Line box, the user data will be updated in the system at this time or else must be saved afterwards. See Authorising OFF Line Users in "Add Users".

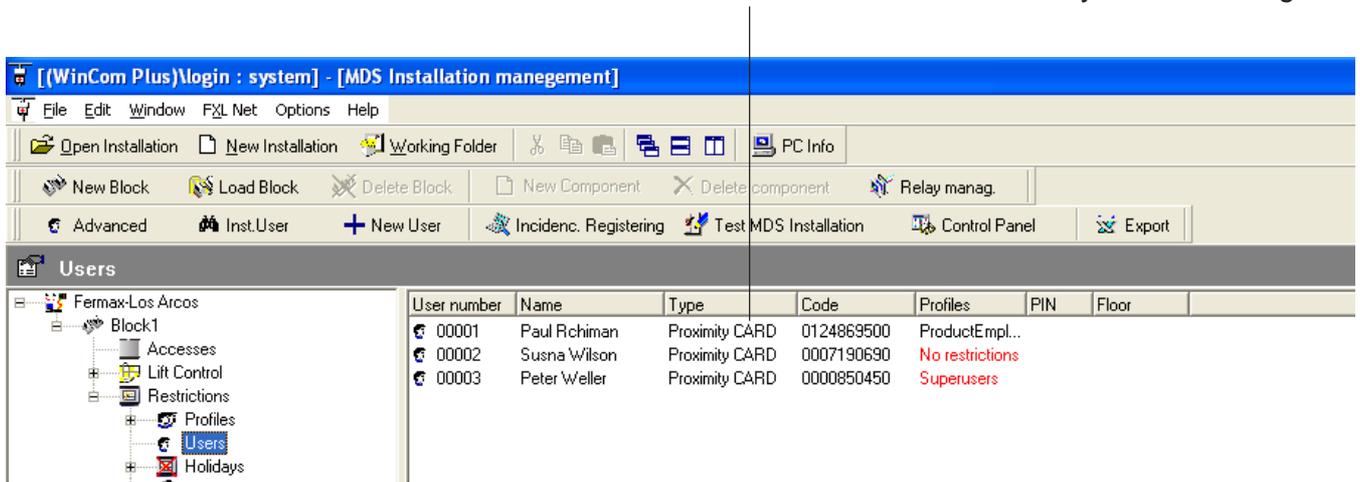
Remark



If you wish to cancel the changes made, **click cancel**  and close the window.

Delete User

While in the "User Main Screen", to delete user data, select the user to be deleted by double clicking on it.



The following screen comes up:

General



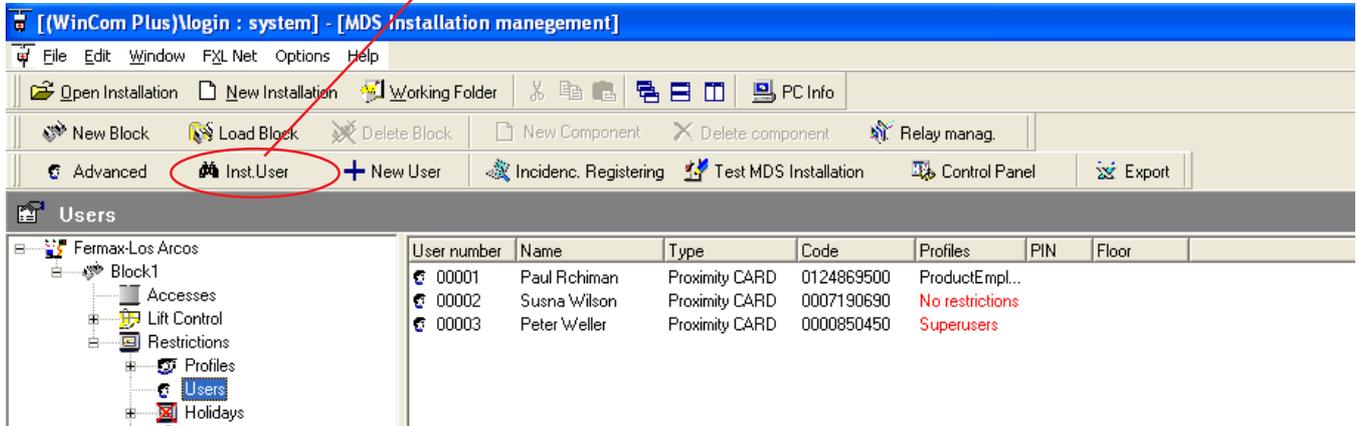
If you wish to delete a user, press



Remember that depending on the activation of the ON Line/OFF Line box, the user data will be updated in the system at this time or else must be saved afterwards. See Authorising OFF Line Users in "New User".

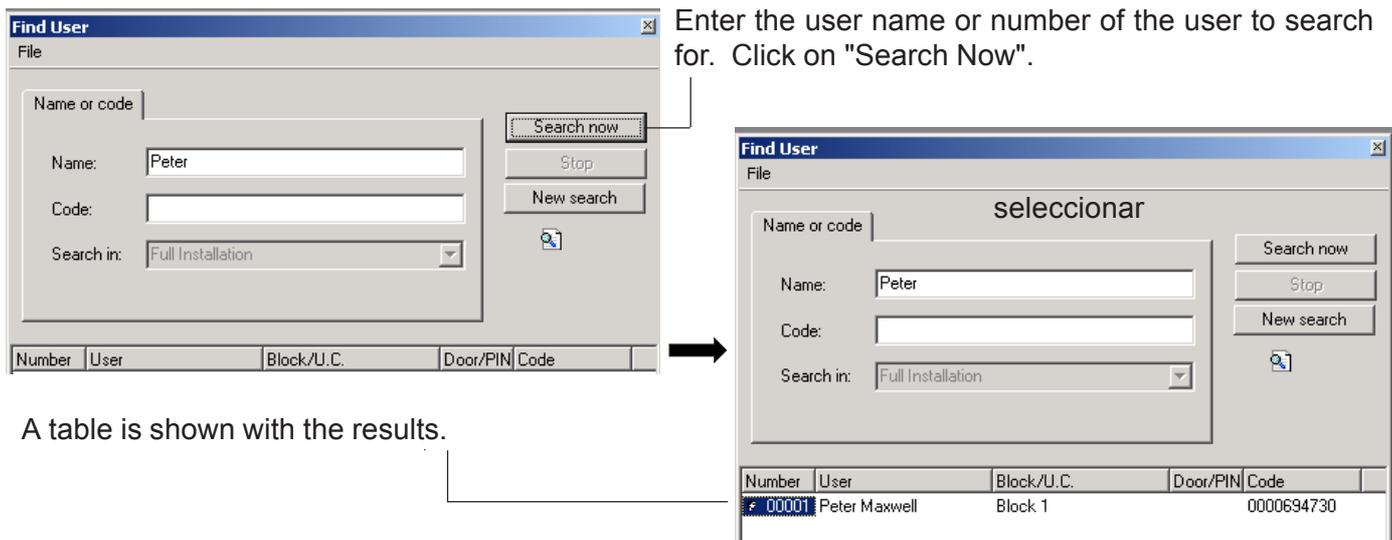
User Search

To search for a user, press the  Inst.User button on the Main Screen toolbar at any time.



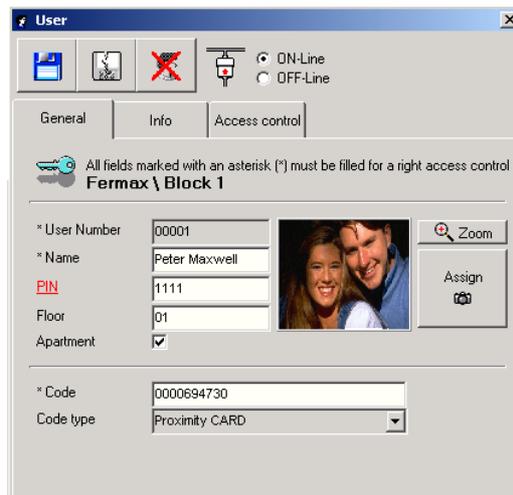
The Search Screen appears.

The query may be by Name or Code.



A table is shown with the results.

Double click on a user from the table to display the data and modify them.

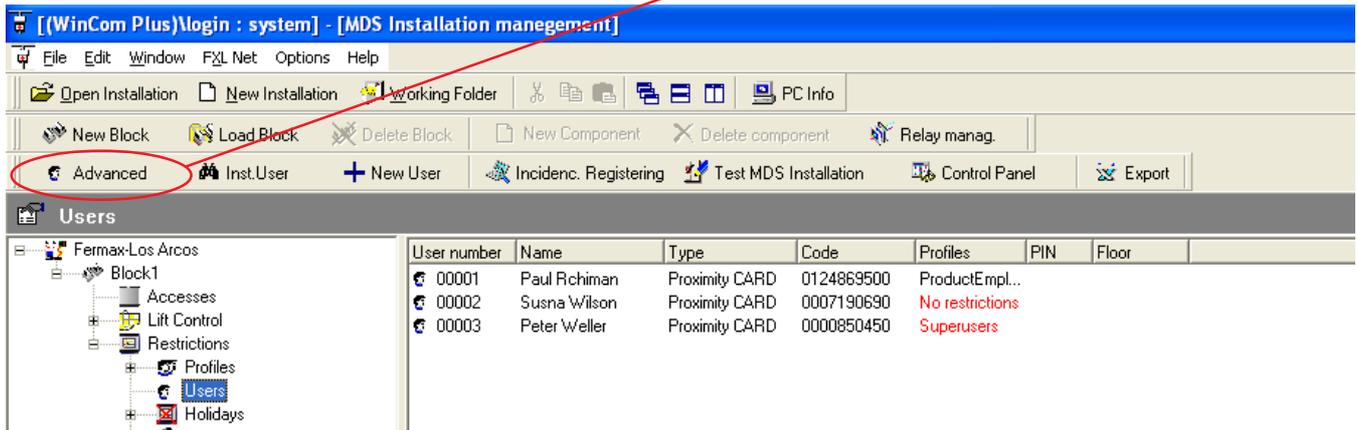


ADVANCED USER MANAGEMENT File

Users of system can be accurately managed from this screen (from any of the Blocks/Central Units making up the installation) .

Advanced Users Screen

To access the Advanced user Screen, click on the **Advanced** button on the Main Screen toolbar at any time.

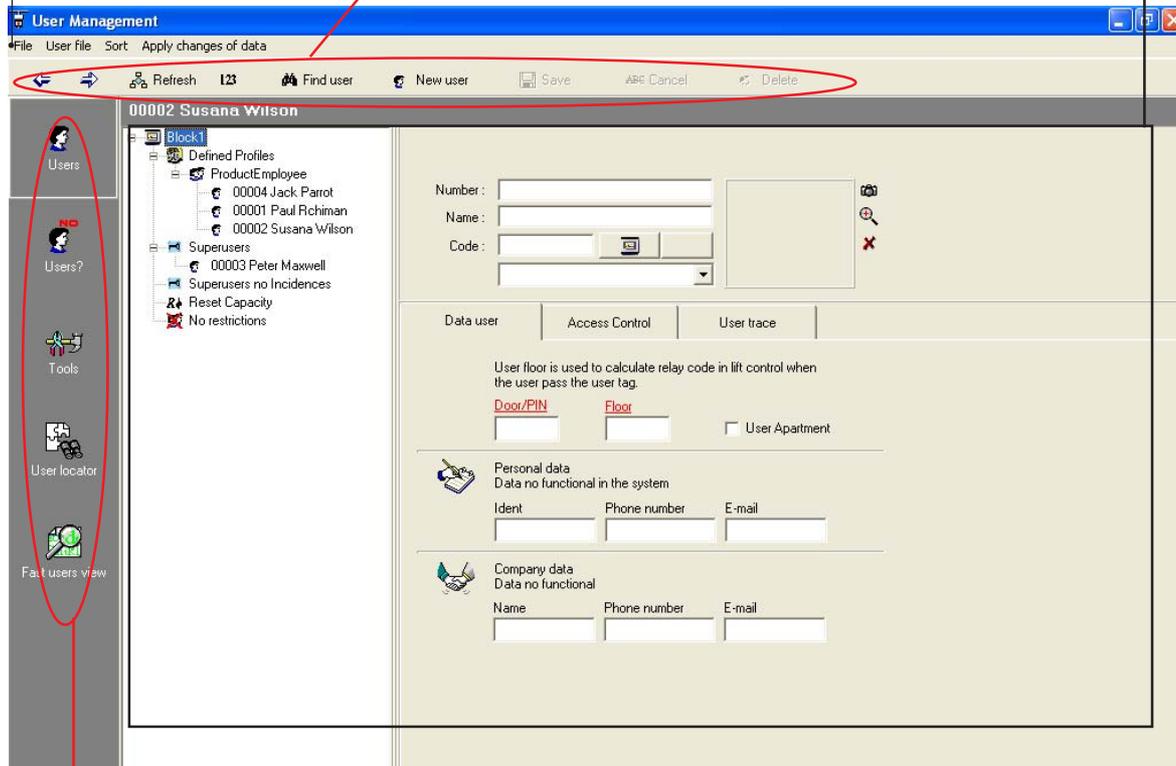


The Advanced Users Management Screen comes up:

Menu Bar

Main Screen of the selected ITEM, (varies according to item). Shows information on users and lets you make changes, checks, etc... depending on the item selected.

Buttons relating to selected item



ITEMS. Selecting each of the items, we can handle the different data and Advanced User Management Screen options.

User Management
File User file Sort Apply changes of data

Apply changes of data
OFF-Line
 ON-Line

Lets you select working mode: ON-Line/OFF-Line.

Sort
 By name
By user number

Lets you select the user viewing order, by name or user number.

User file
New user
Update change
Cancel change
Delete user

To Create users (See User File>> New User), Delete Users, and update the changes made.

File
Find user
Exit

Lets you carry out a user search and exit the Advanced User Screen

To access each of the management screens, click on the corresponding icon on the left of the main screen:

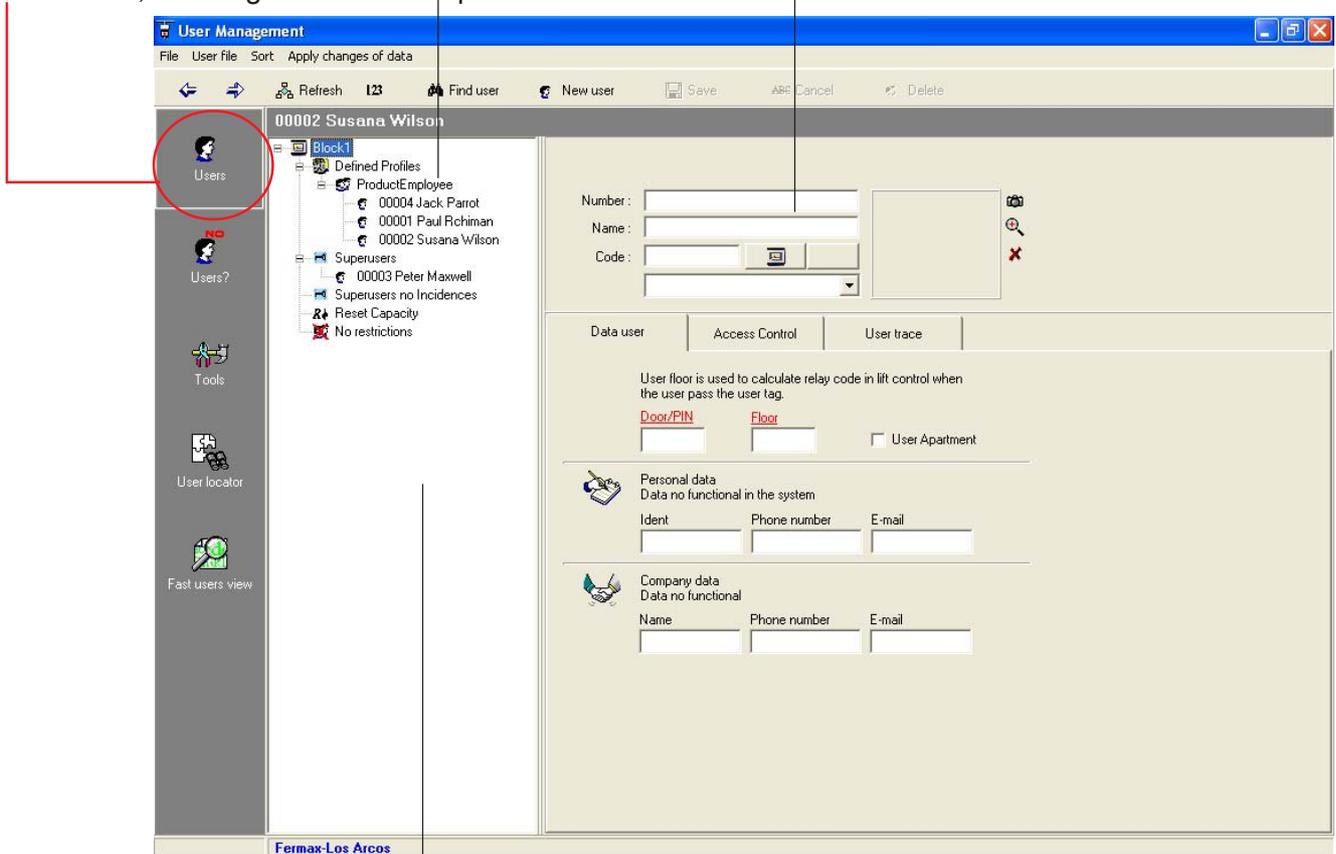
 Users	<p>Information about the Profiles and Users of each Block/Central Unit. Lets you modify user data (profiles...) and create or delete users.</p>
 Users?	<p>Information about the status of the users in the system. Lets you know at any time if all users are properly defined in the system.</p>
 Tools	<p>Tools for user database management.</p>
 User locator	<p>Lets you know in which zone the users are at this moment.</p>
 Fast users view	<p>List of all the user parametrers stored either in a specific Block/CU or in the whole installation (all Blocks/CUs).</p>

Below are details of each of the advanced user management screens. To access each of the management screens, click the corresponding icon on the left of the main screen:

Users Advanced Management (A.M.)

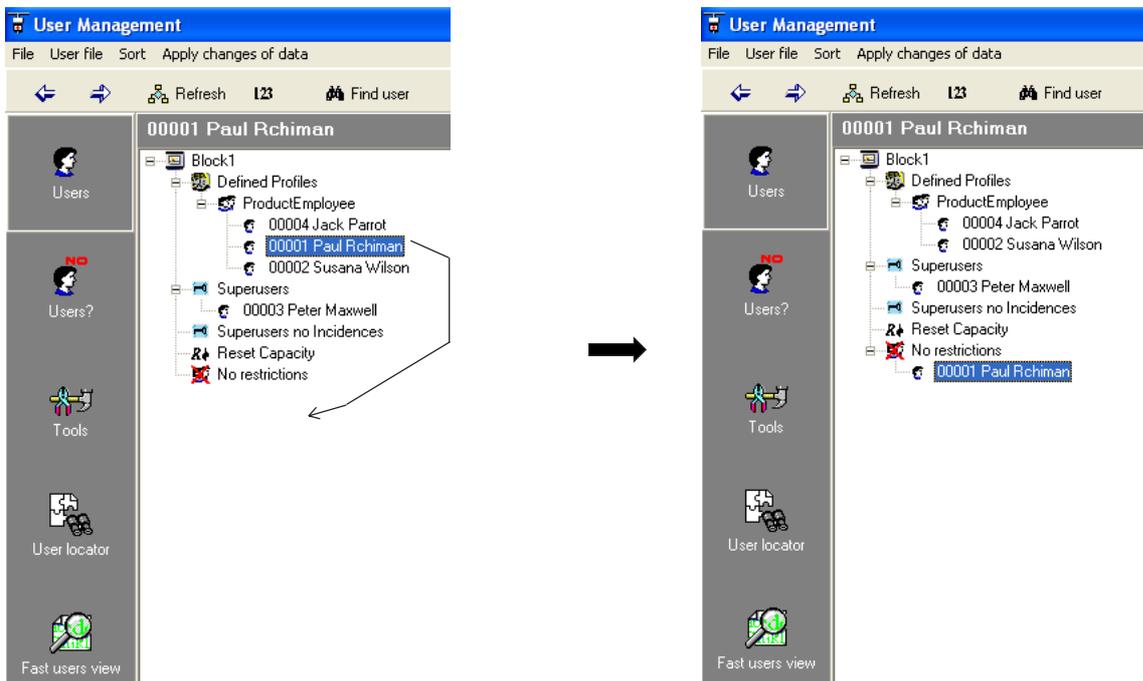
From this screen you can modify any user value.

Click on the item "Users", on the left of the screen. The panel referring to that option appears on the right of the screen, showing the users and profiles tree and the user data:



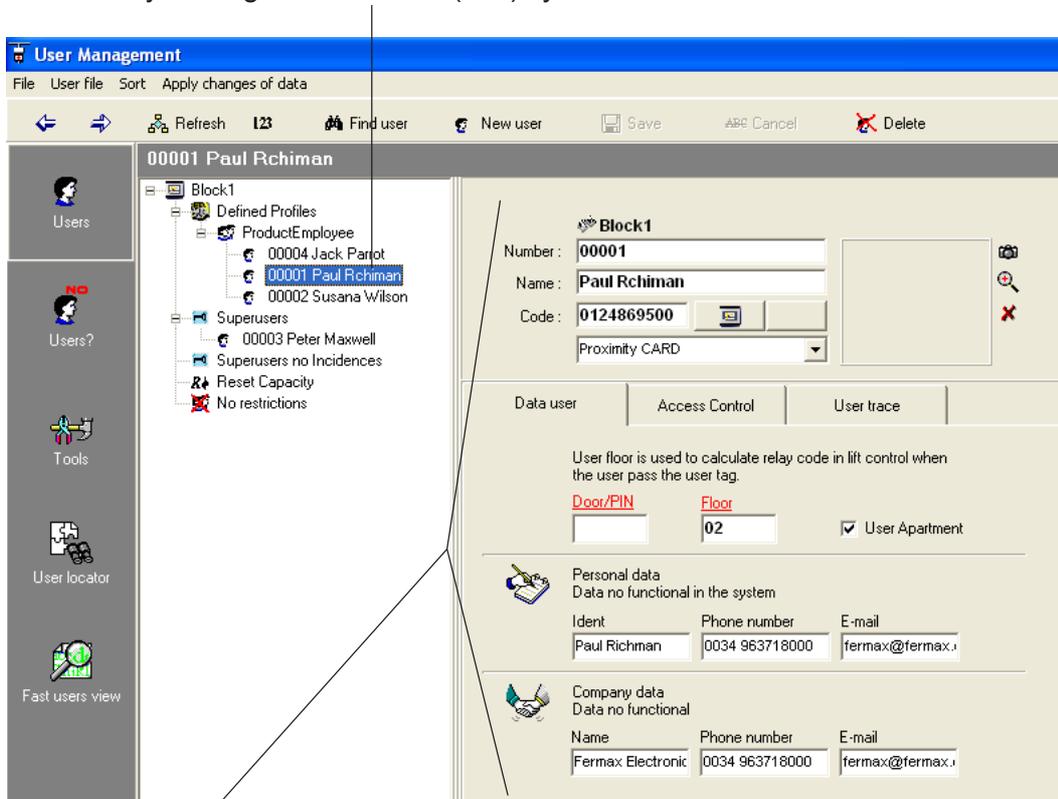
Shows a list of Users of each block, classified by their Profile.

To change the User Profile for another, drag the user to the new Profile you wish to assign them.



Modify User Data

Select a User by clicking on it on the list (tree) by the left side of the screen.



The right part shows the data referring to the user selected.

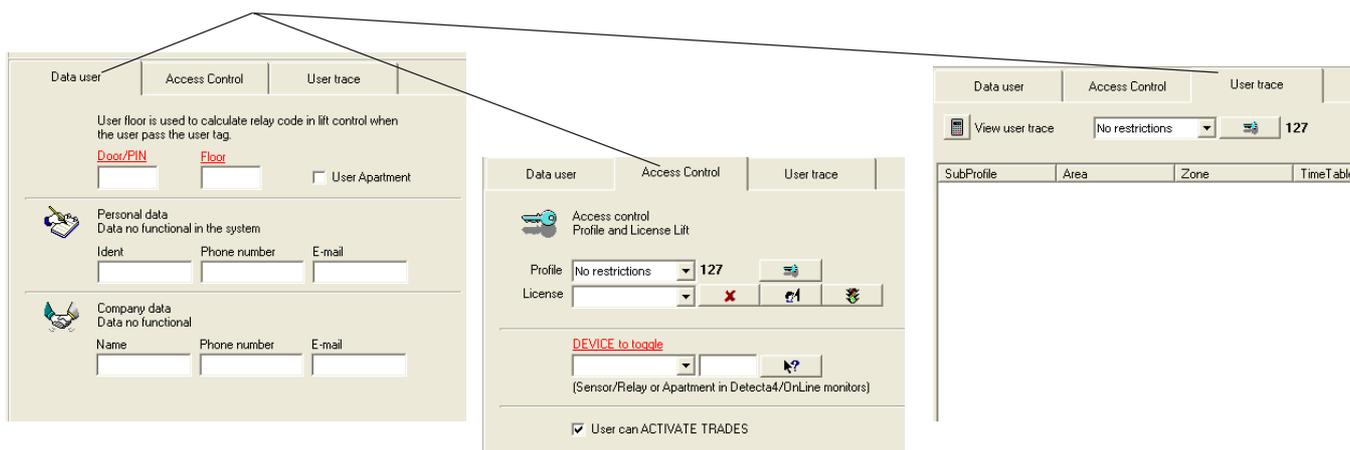
On this screen, we can **query and/or modify the User data** selected (defined previously), as well as **create or delete users**.

To Create a new user, click . The user creation screen comes up (See Users File>> New User).

To delete a user, select the user from the list and press .

To search for a user, click .

To Modify the data of a selected user, move through the different data fields of each tab and modify the data you wish. Press to save the changes.



Users A.M.

From this screen you can check the situation of the system users.

This is so that we know at any time if all the users are properly defined in the system. There are three query options to detect whether there are any anomalies.

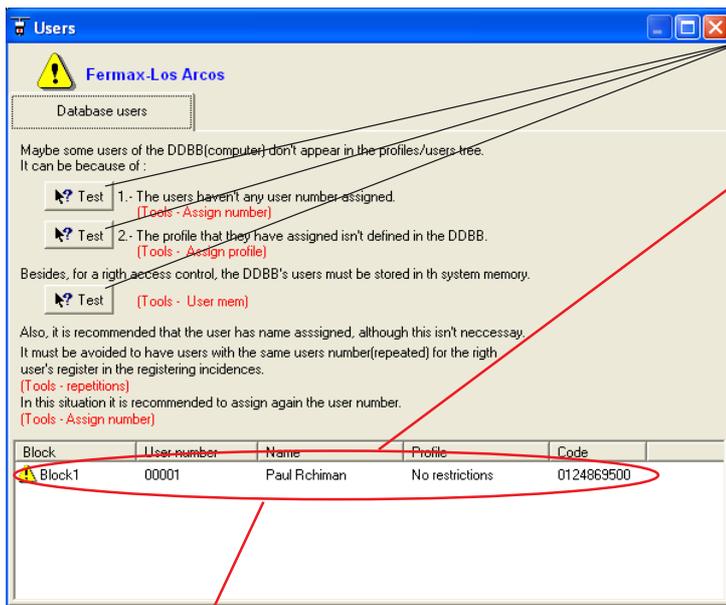
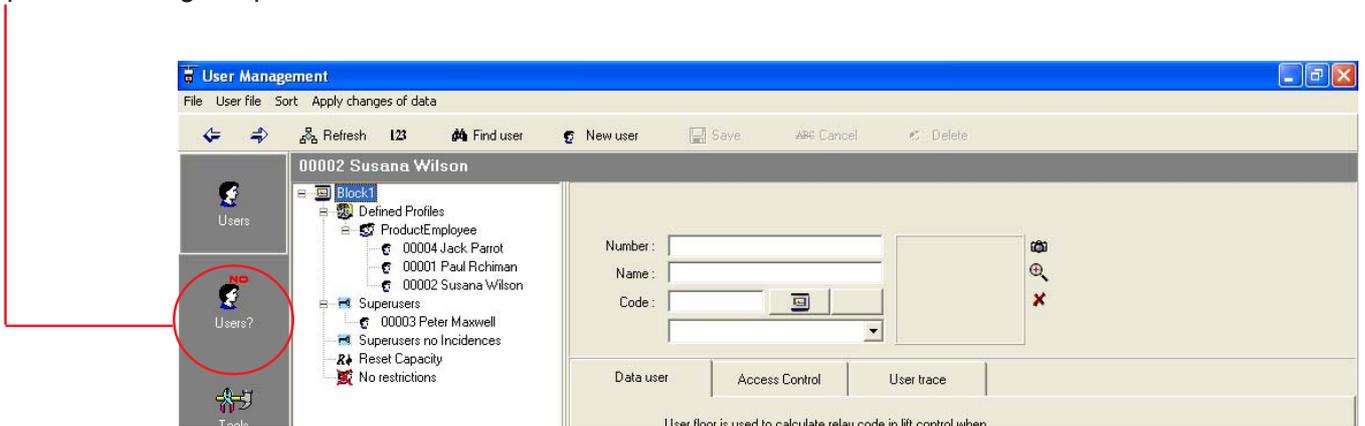
Option 1: Users who have no number assigned (in all Blocks/CUs defined).

Option 2: Users with an assigned profile, not defined in the current installation.

This situation, undesirable, is possible when importing users from Excel, as in these it is not possible to control the profile assigned.

Option 3: Users not stored in the corresponding Central Unit, or that the application has no record of.

Click on the item "Users?", on the left of the screen. On the right appears the screen referring to that option, showing the possible actions:



Press one of the three buttons, depending on the test you wish to run.

Test results appear on the lower part of the screen.

If everything is correct, an "OK" icon appears; if it does not come up, the information on the user/s is not defined correctly.

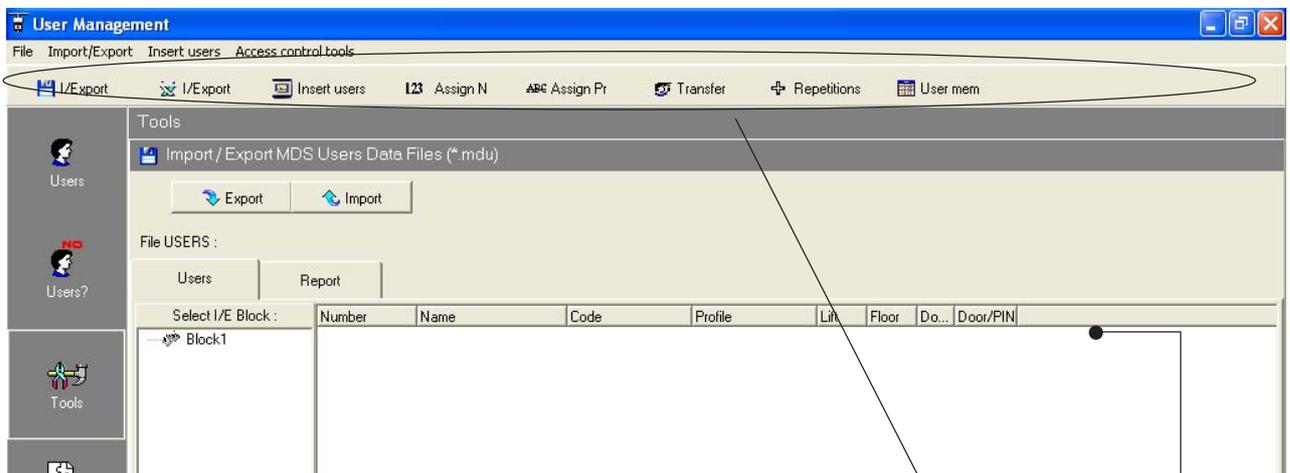
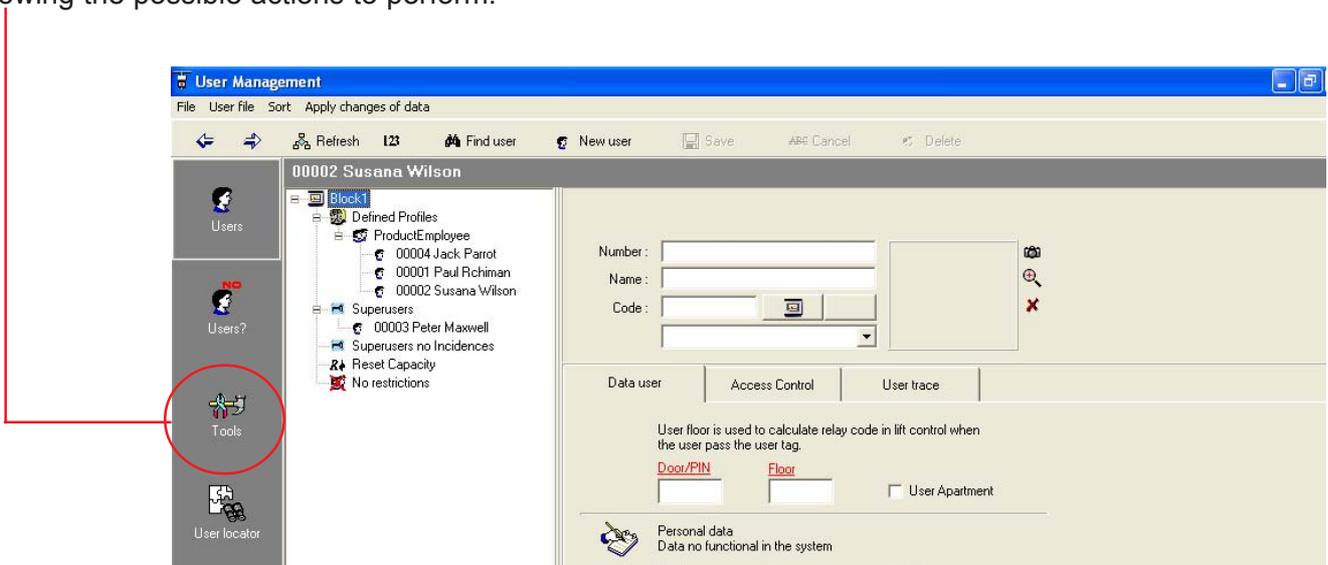
The example shows information on a user existing in the application but not in the Central Unit. (Option 3. Press 3rd test button).

Tools A.M.

From this screen, we access the tools for user processing in the database.

If any action is taken on the data, the list of users of the Central Unit/s involved must be updated.

Click on the "Tools" item on the left of the screen. The screen referring to this option appears on the right, showing the possible actions to perform:



When accessing the Tools screen, we see how the upper part (buttons) and body of the screen have changed.

Each button on the upper part is a tool or option that makes the body vary depending on the action:

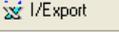


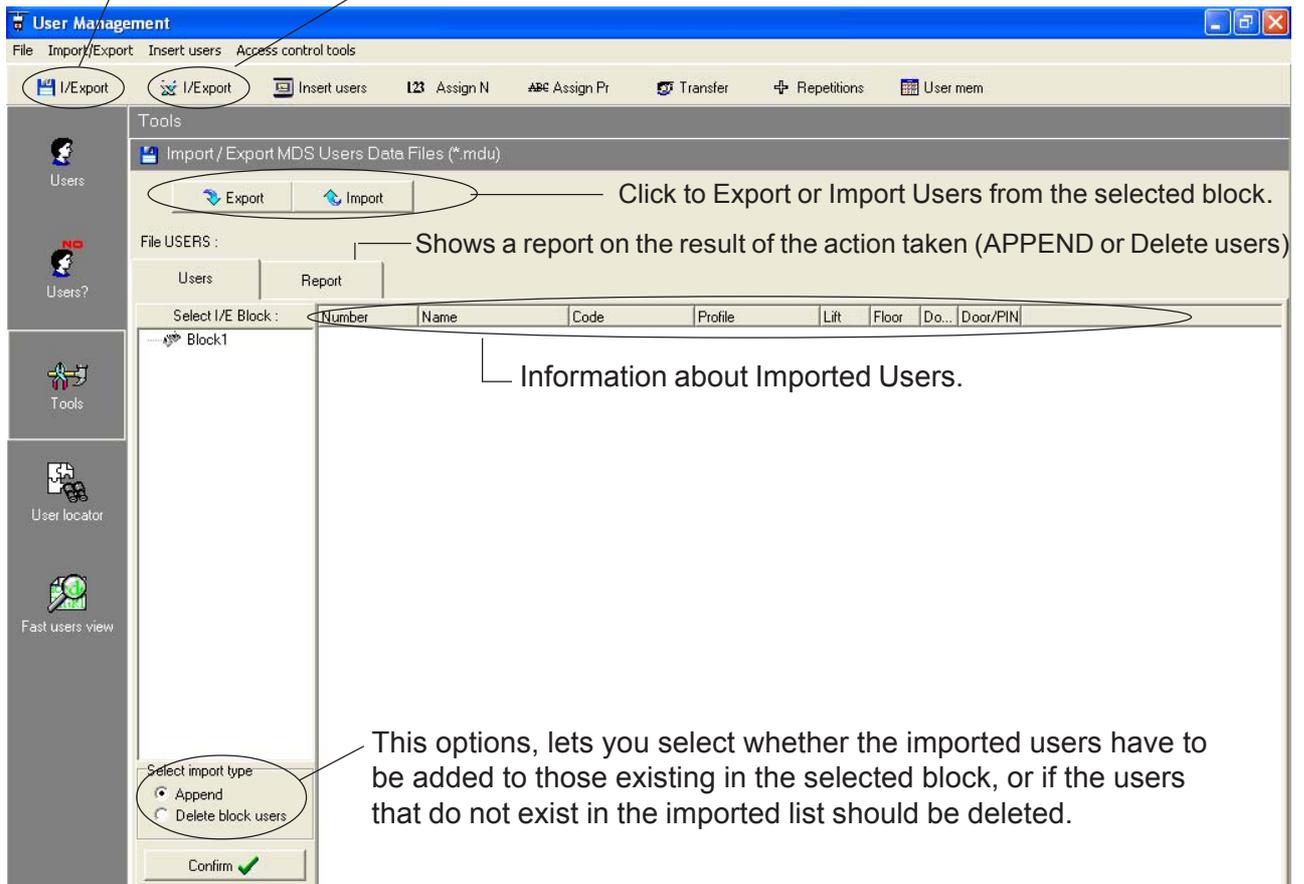
Pressing on each of the buttons, we can access each of the user processing tools available. They are listed below:

Tools- Export/Import .MDU and Excel Users

From this option, we import or export the user data to files, defined with the extension mdu (*.mdu) or Excel (*.xls)

The **mdu** files contain complete information on the users, i. e. **all their fields**, in contrast with the **Excel** files, which only contain the most significant system information.

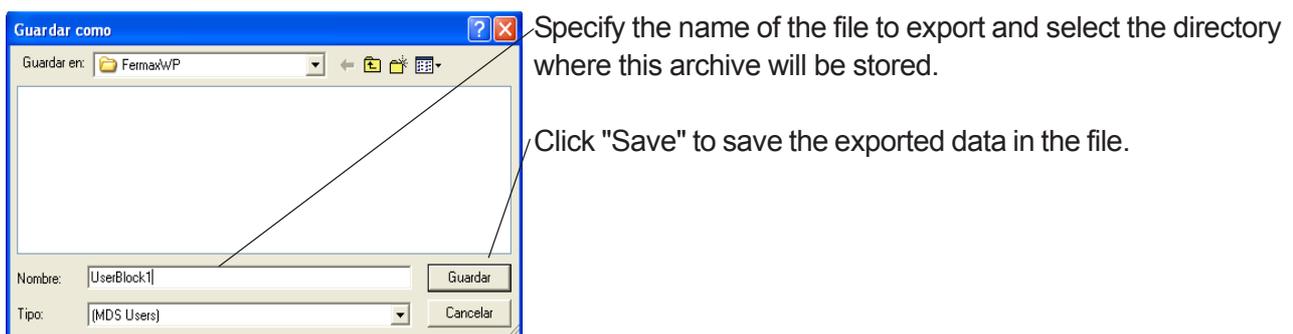
Click the  button for **.mdu** or  for **Excel** files, on the upper part of the screen. The screen referring to this tool appears on the left of the screen:



Export

1º) Select the Block that contains the list of users to export by clicking on it on the upper left part of the screen.

2º) Click the  button. The "Save As" window appears:

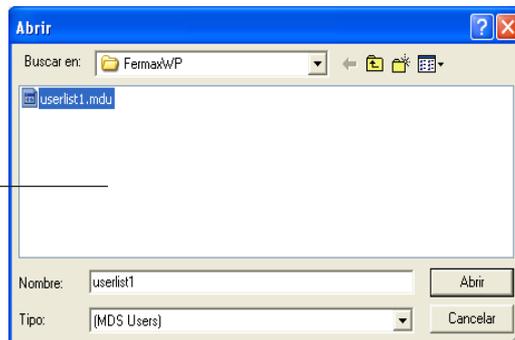


Import

1º) Select the Block to import the list of users and click the  button. The "Open" window appears:

Select the **.mdu file** or **.xls file** (Excel) to be imported and click "Open" to import the list of users to the application.

The list of users imported appears on the right of the main Export/Import Users screen:



Select I/E Block :	Number	Name	Code	Profile	Litt	Floor	Do...	Door/PIN
Block1	00001	Paul Richiman	0124869580	Proximity CARD	127		02	
	00002	Susana Wilson	0007190690	Proximity CARD	0			
	00003	Peter Maxwell	0000850450	Proximity CARD	126			
	00004	Jack Parrot		Proximity CARD	0			
	00005	Mary Person		Proximity CARD	127			
	00010	David Sun	0012457899	Proximity CARD	6			

Select import type:
 Append
 Delete block users

Confirm 

This icon indicates that the profile of that user is not defined in the block to which we are importing the list of users.

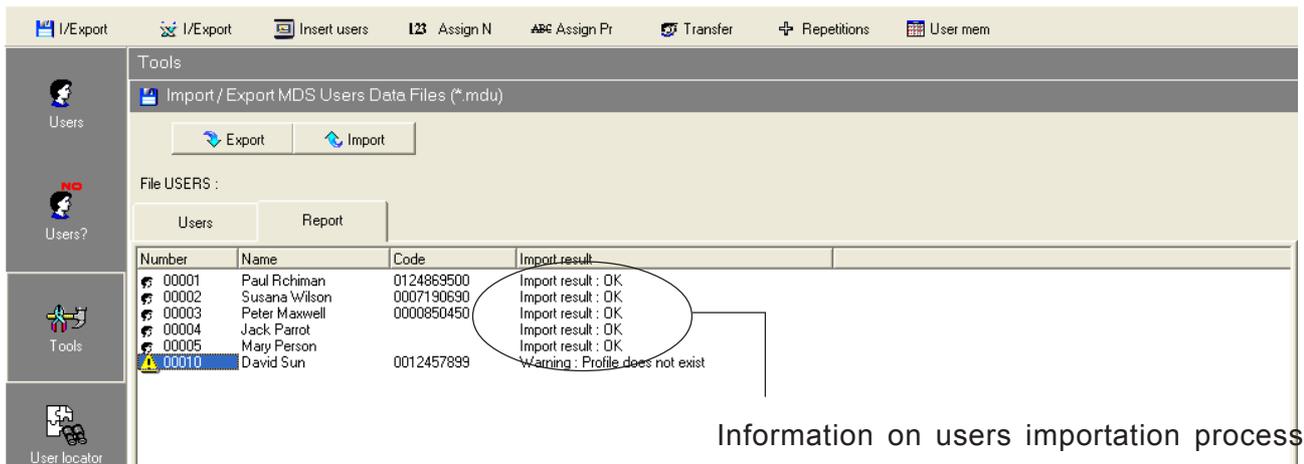
2º) Select the action to be taken.

"Append": adds the list of users imported to the selected block.

"Delete": deletes the users from the block that are not in the list of imported users.

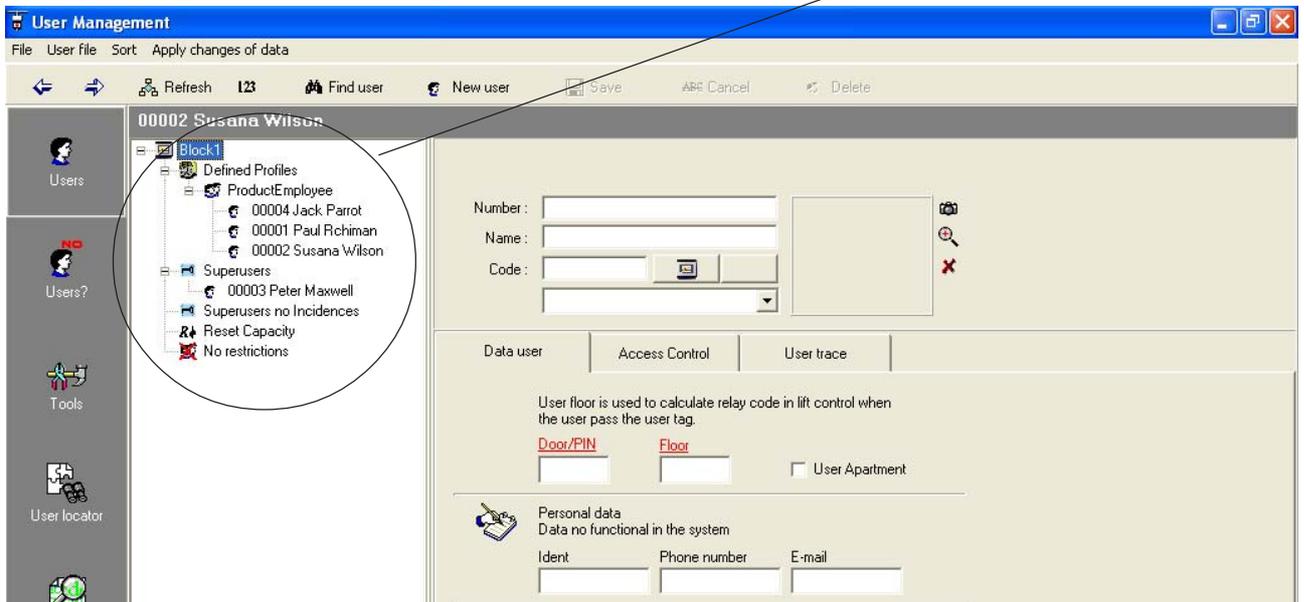
3º) Click  to Append or delete (depending on the option chosen) the users list in the selected block.

A screen comes up reporting on the action, showing if the process has been done properly or else if there has been a problem:



Information on users importation process

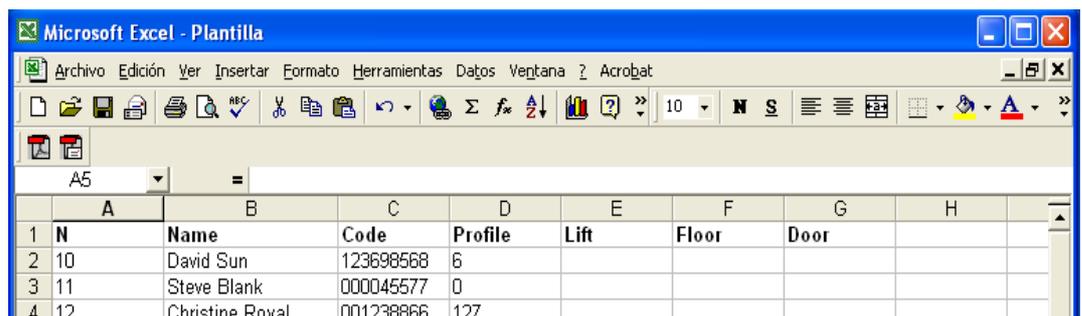
The users whose import results are satisfactory (OK) appear on the "Users" screen:



The users list imported is only saved in the application database, and the list of users must be updated in the Central Unit, sending the list of users there.

Remark

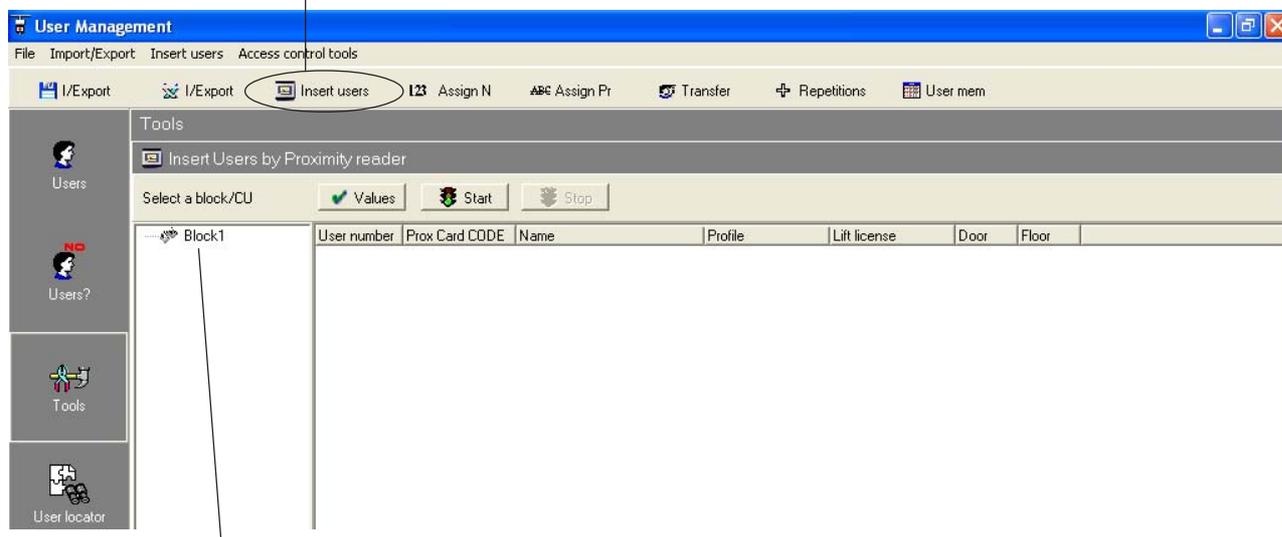
Along with the Wincom Plus program, an Excel template is supplied (base file), which lets you create user lists in Excel for importation:



Tools - Insert Users

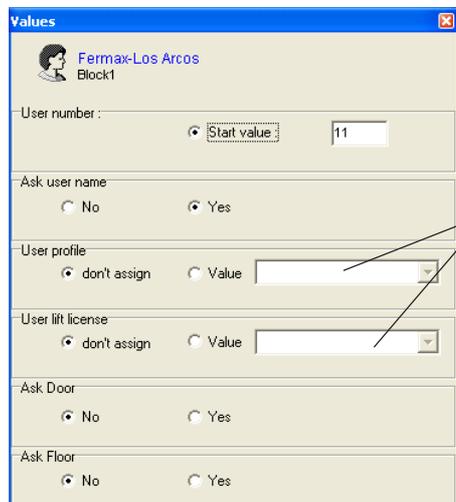
This tool make easier the insertion of users from a proximity reader for PC.

Click the  button on the upper part of the screen. The screen referring to this tool appears on the right:



Select the Block (on the left of the screen) where the users are to be inserted.

Click  to define the insertion values for all the cards:



Define each option of the different parameters.

At each insertion, the application will ask for the parameters defined in this screen; user number, profile...

We can also define a series of preset values for the users to be inserted.

The values inserted here can be modified at any time.

Click  to close this window.

Click  to start insertion of users, and pass the cards by the reader. The application will ask you to enter the values defined previously.

Click  when you have finished inserting users.

If any user/card inserted is not correct or an unwanted value has been inserted, select the user from the list and click the  button.

Click the  button, which will insert the users in the application database, but not in the system.
You must update the users list to the Central Unit.

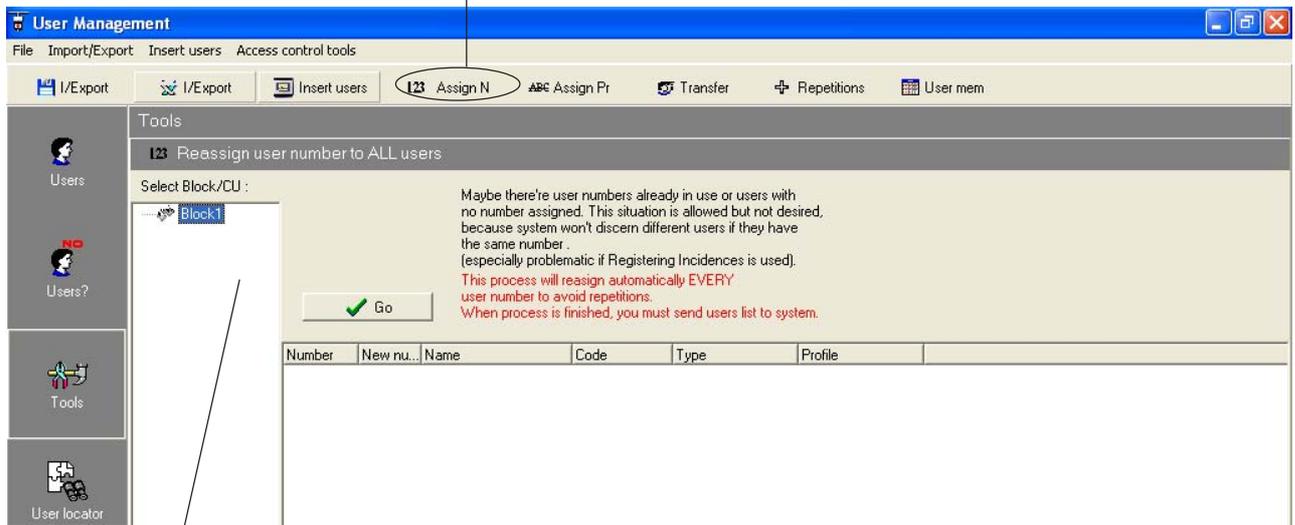
Remark

 If the PC has two serial ports, we recommend using one of them for communication with the system and the other to append users.

Tools - Assign Number

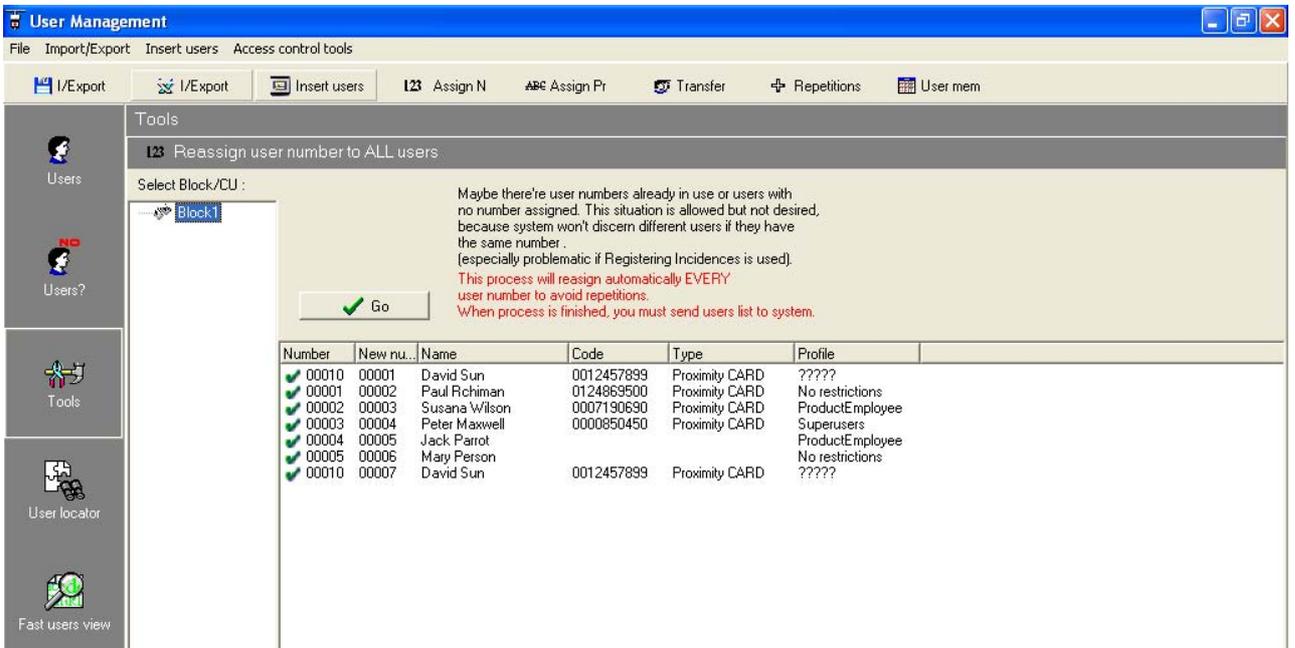
This tool lets you assign the user number automatically to all users of the selected block (in the database, not the system).

Press the **Assign N** button on the upper part of the screen. The screen referring to this tool appears on the right:



Select the Block (on the right of the screen) where the users are to be inserted.

Click **Go** to assign the user numbers automatically:

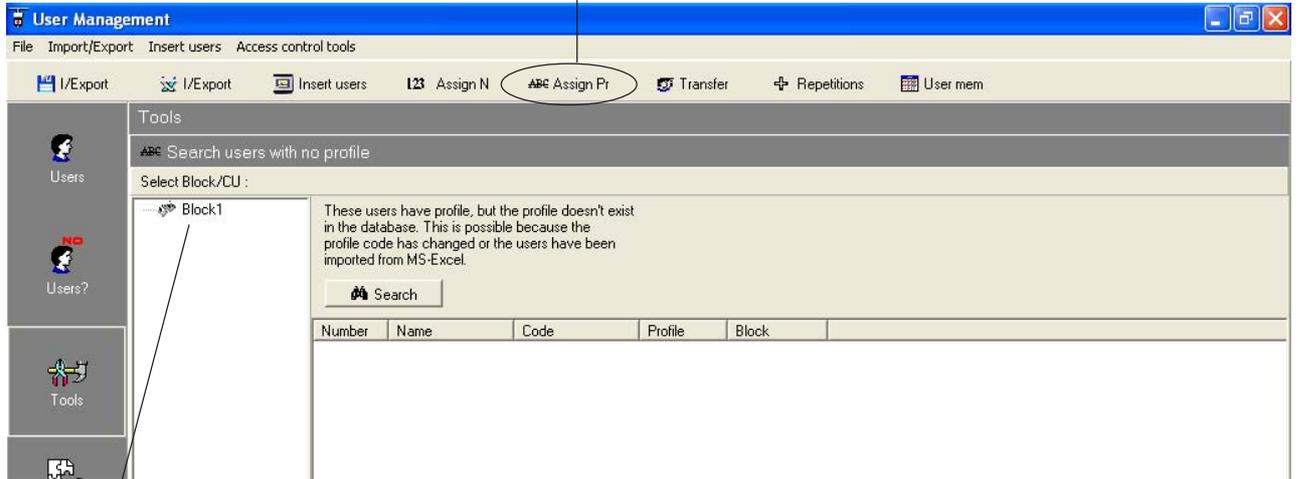


Finally, the list of users of the blocks involved must be sent to the respective Central Units.

Tools - Assign Profile

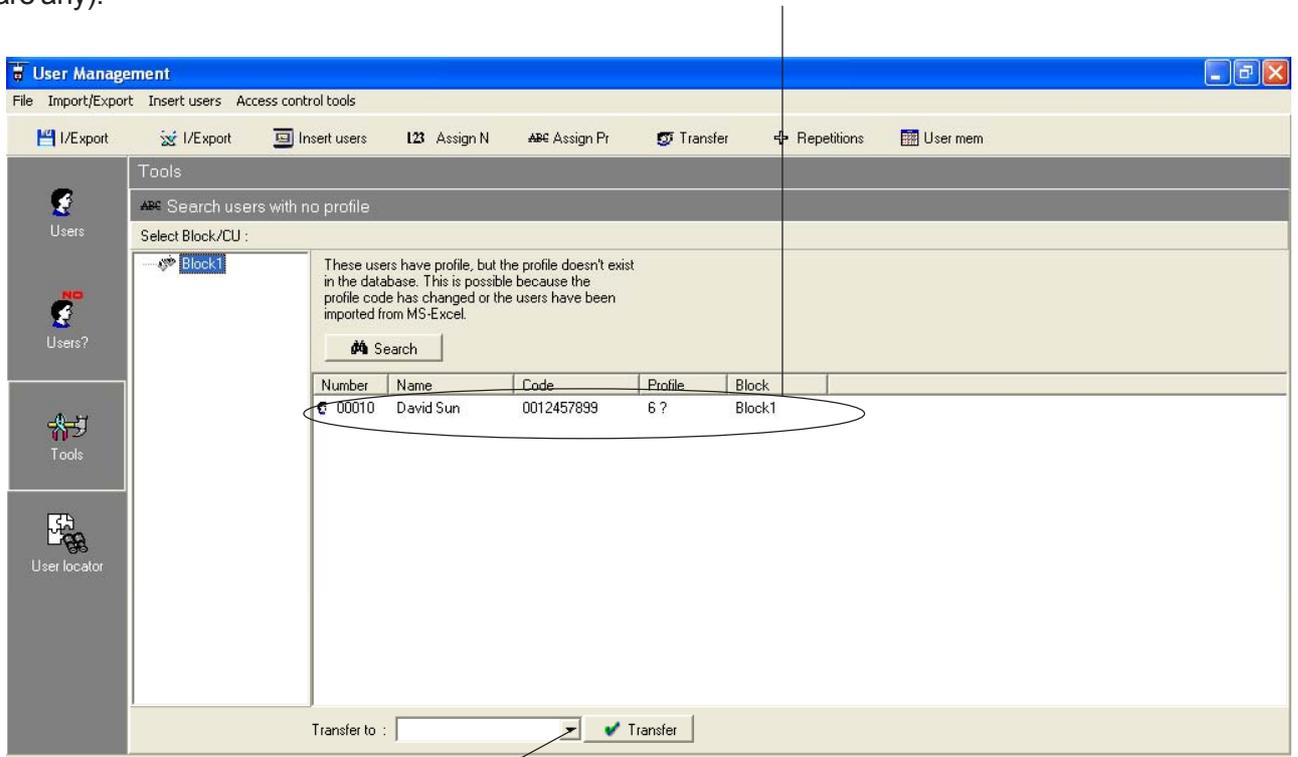
This tool lets you update all the users that do **not** have a profile defined in the database to an existing one (but one by one). Then, the profile of a user may be changed for another, individually.

Press the  button on the upper part of the screen. The screen referring to this tool appears on the right:



Select the Block (on the left of the screen) where you wish to check which profiles are not defined.

Click  to search. A list appears with the users whose profile is not defined in the application database (if there are any):



Select a new profile from the drop down list (profiles defined previously in the application) for the users (with profile not defined) and press . The new profile has been assigned to the user in the list.

Finally, the list of users of the blocks involved must be sent to the respective Central Units.

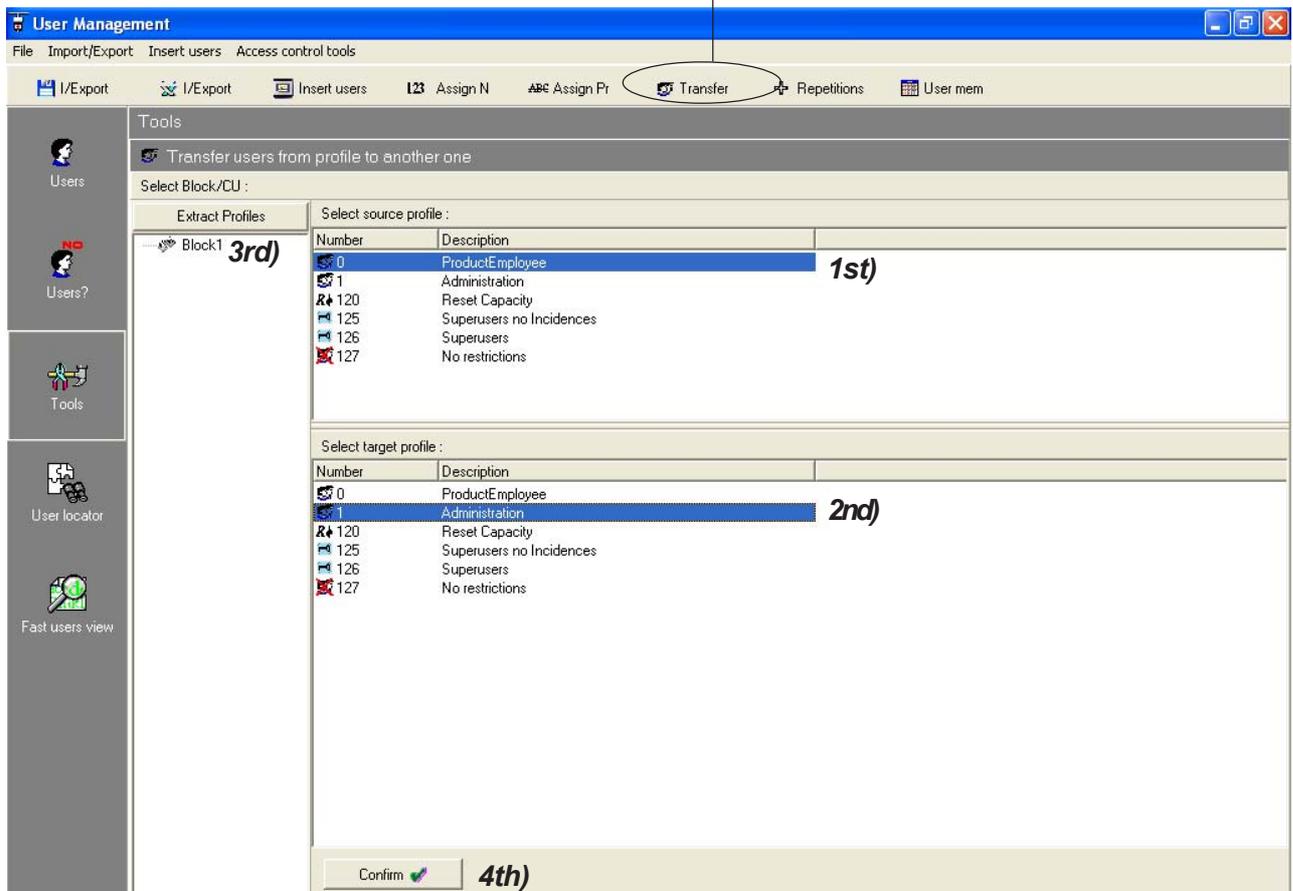
Tools - Transfer

This tool lets you transfer large groups of users from one profile to another, within the same Block/Central Unit.

This option is necessary, because only empty profiles (without users) can be removed.

For example: a profile has 200 users assigned and we want to delete this profile; there are two methods: change the profile of each user one by one, or all at once, using this tool.

Click the  button on the upper part of the screen. The screen referring to this tool appears on the right.



1st) Select the "Source Profile" (the one we subsequently wish to delete, or leave empty with no users) by clicking on it on the upper profiles list (it is highlighted in blue).

2nd) Select the "Destination profile" (the profile to be assigned to the users from the source profile) by clicking on it on the lower profiles list (highlighted in blue).

3rd) Select the "Block" where the transfer of users from one profile (source) to another (destination) is to take place.

4th) Press  to confirm the transfer.

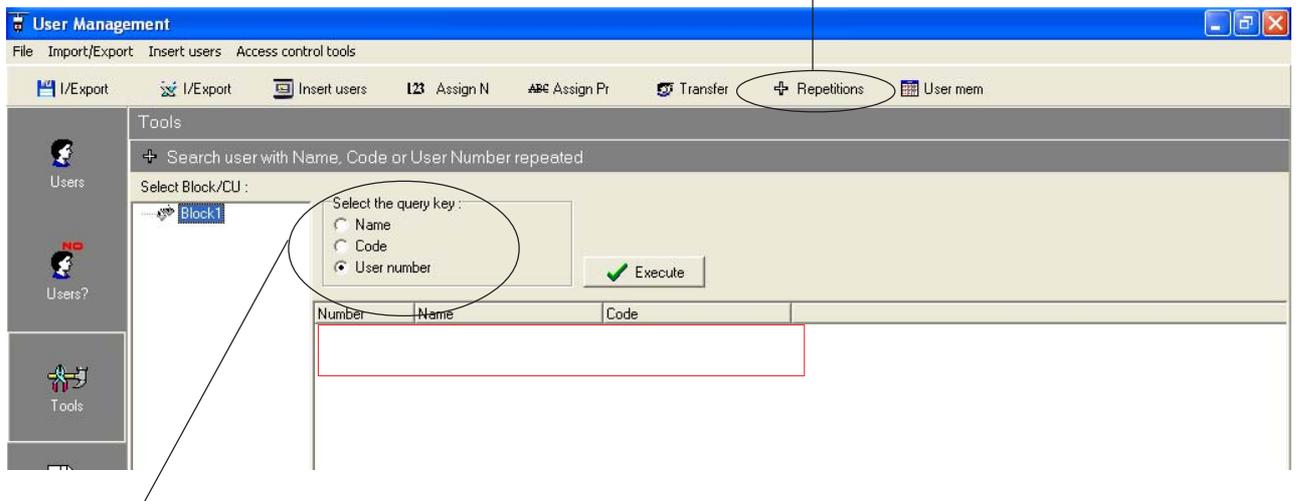
Finally, the list of users of the blocks involved must be sent to the corresponding Central Units.

Tools - Repetitions

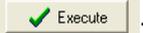
This tool lets you know if there are any repetitions (within the same block) of the following fields (only in query mode):

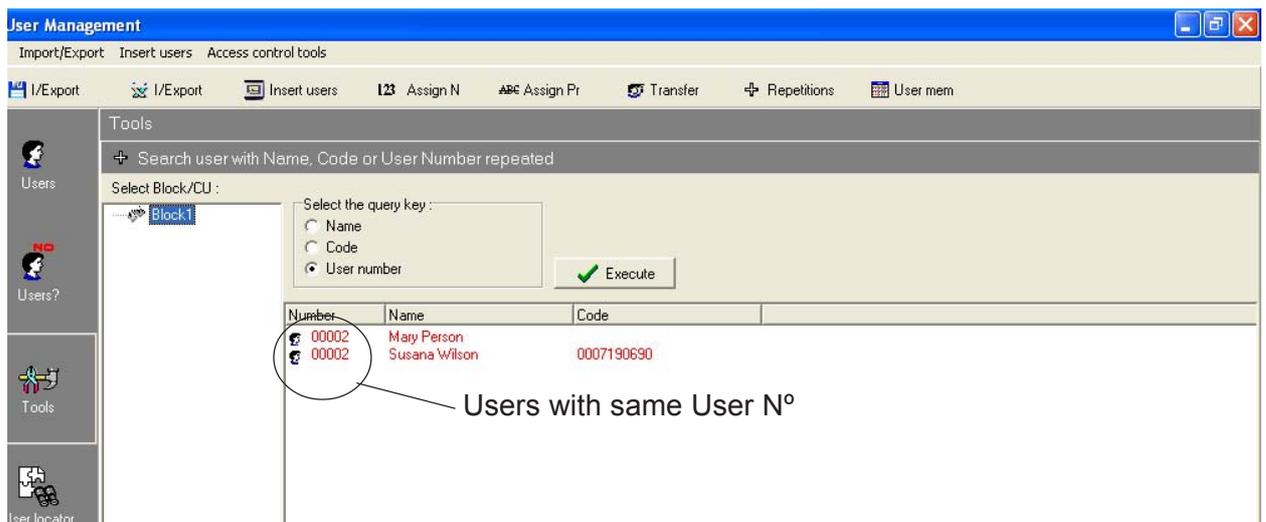
- 1.- Name.
- 2.- Code.
- 3.- User Number.

Click the  button on the upper part of the screen. The screen related to this tool appears on the right:



Select the field to check (example: User Number).

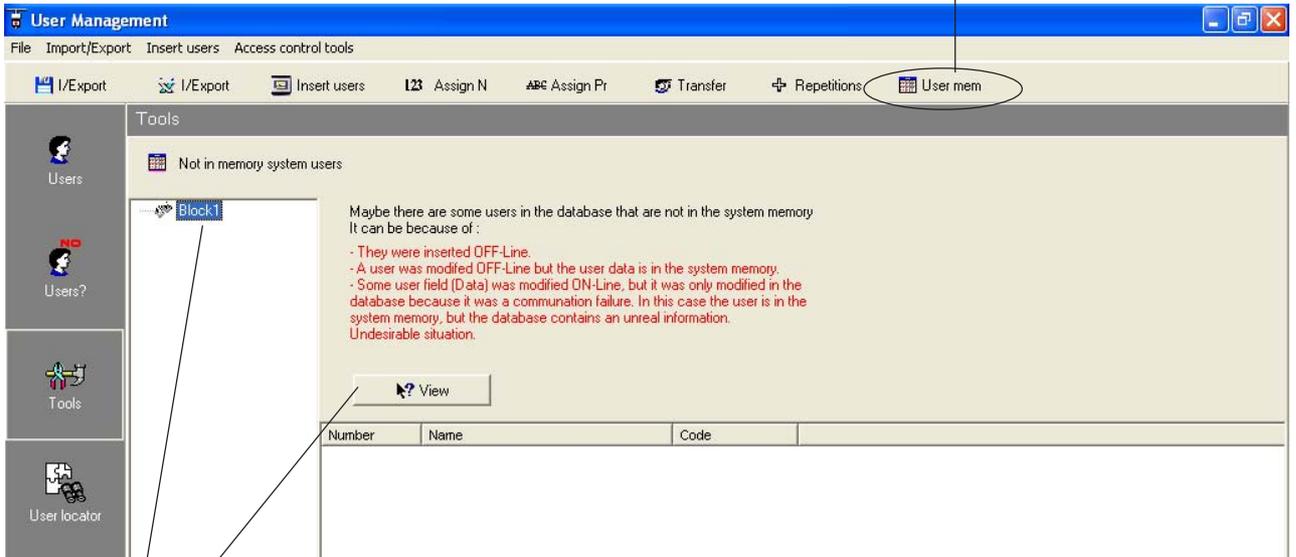
Click . The list of users whose field selected is the same appears:



Tools - Users Memory

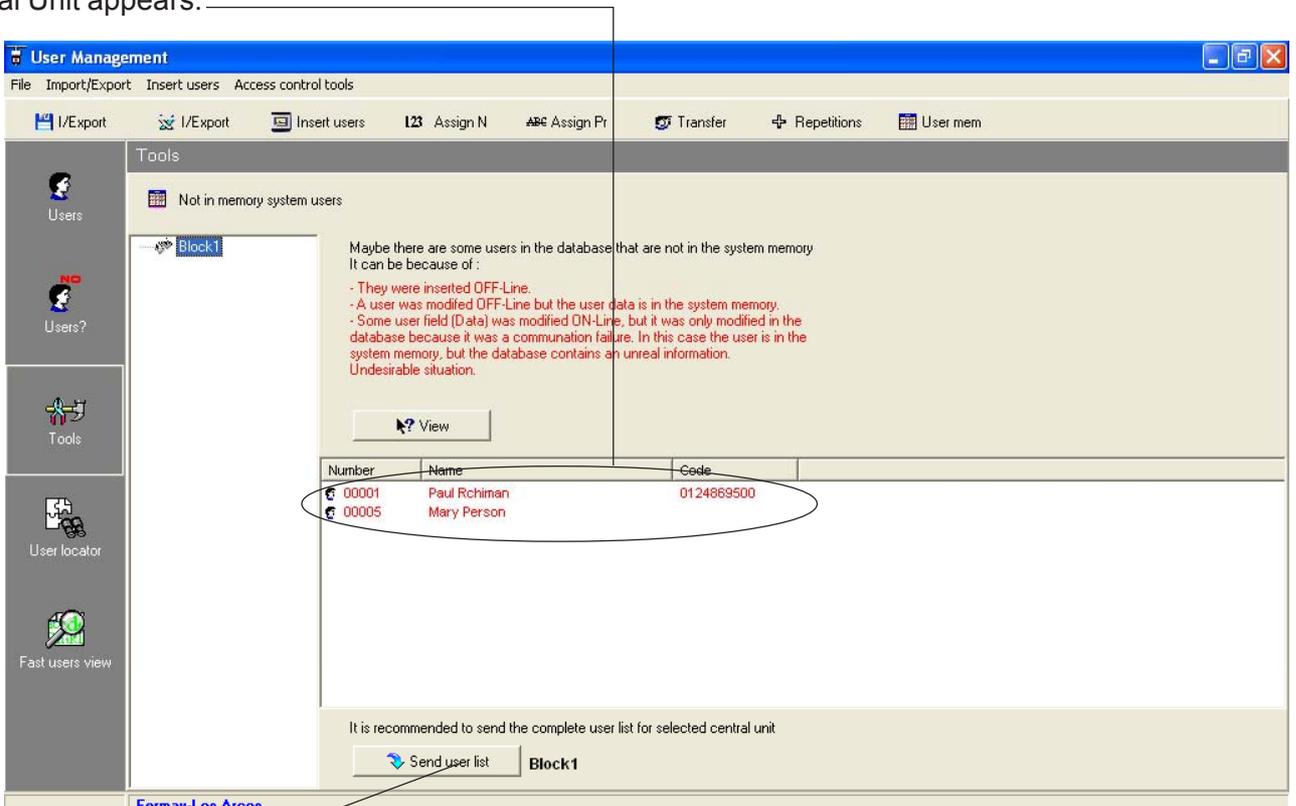
This tool lets you know which users are in the application database, but not in the central unit memory (system); or which users have had changes made to their data but have not been updated.

Click the  button on the upper part of the screen. The screen referring to this tool appears on the right:



Select the Block about which you wish to check users not updated in the Central Unit.

Press . The list of users present (or that have been modified) in the application but not in the Central Unit appears:

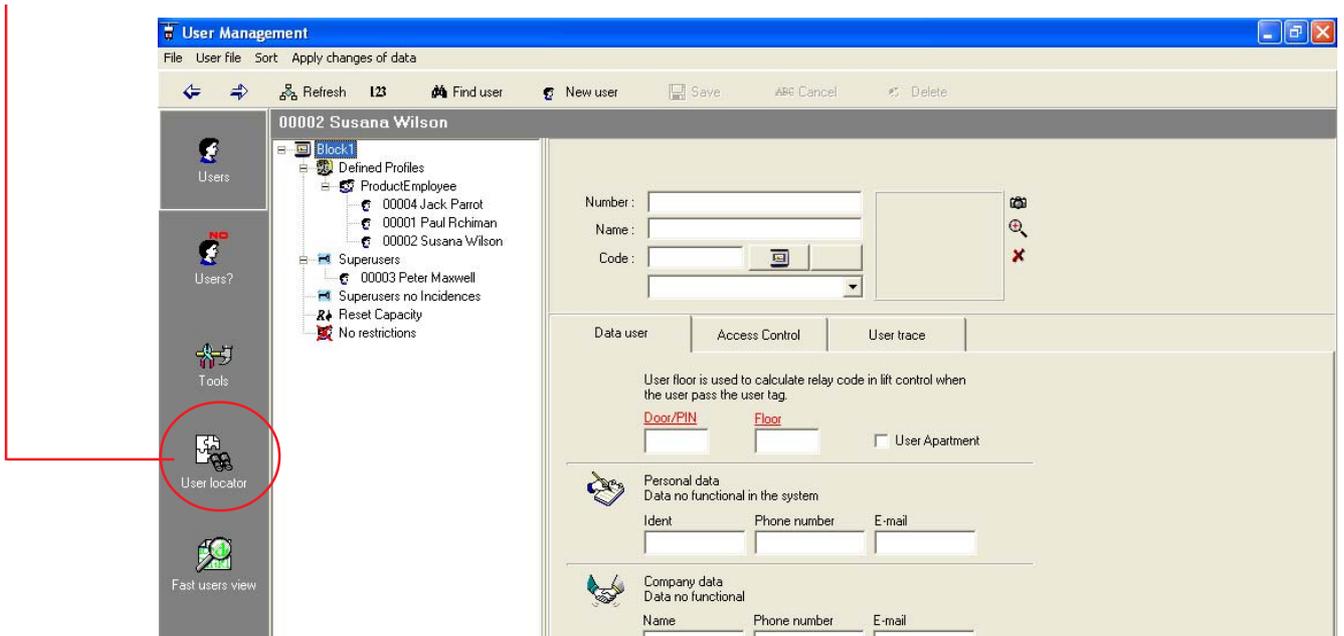


Click  to send and update the users list in the corresponding Central Unit.

Users Locator

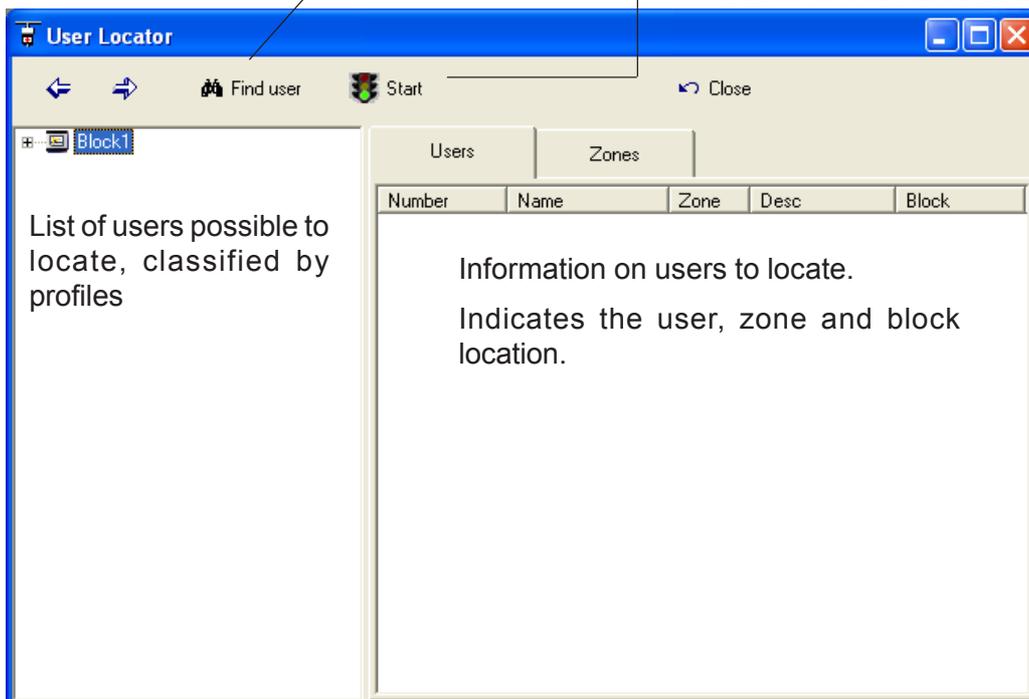
With this option we can find out which zone a user is in at the moment of inquiry.

Click on the item "User Locator", on the left of the screen. The screen referring to this option appears on the right, showing the possible queries to be made:

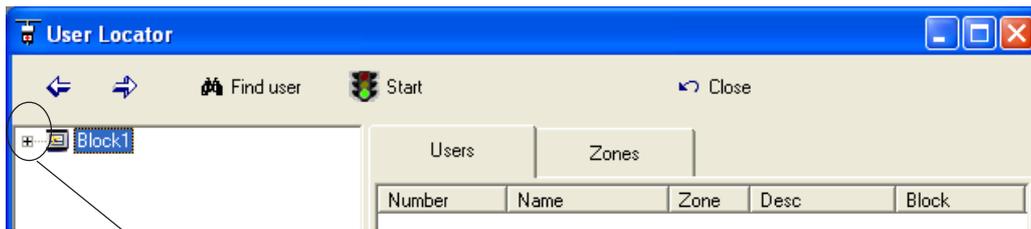


Lets you search for a specific user in the users list

Press to start user search



Now we shall explain how to make the user location query:

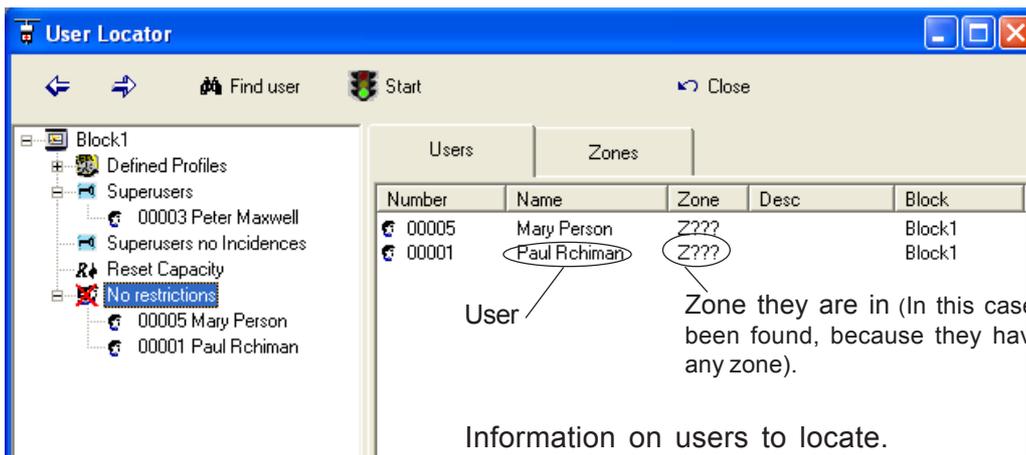


1st) Click on to display the tree:



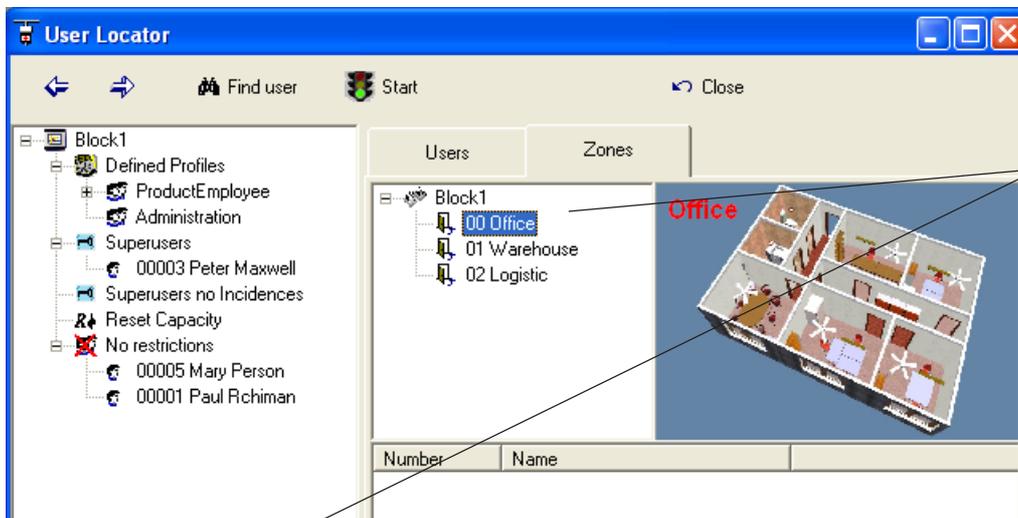
2nd) Select the query start point of origin or click on a specific user.
The search is made from the point selected downwards, so if you select the profile "No Restrictions", the search is done for all users in that profile.

3th) Click to start the search.
Information on the users appears on the right of the screen:



User Zone they are in (In this case no user has been found, because they have not entered any zone).

Click on the "Zones" tab to see a graphic of the users detected and in which zones:



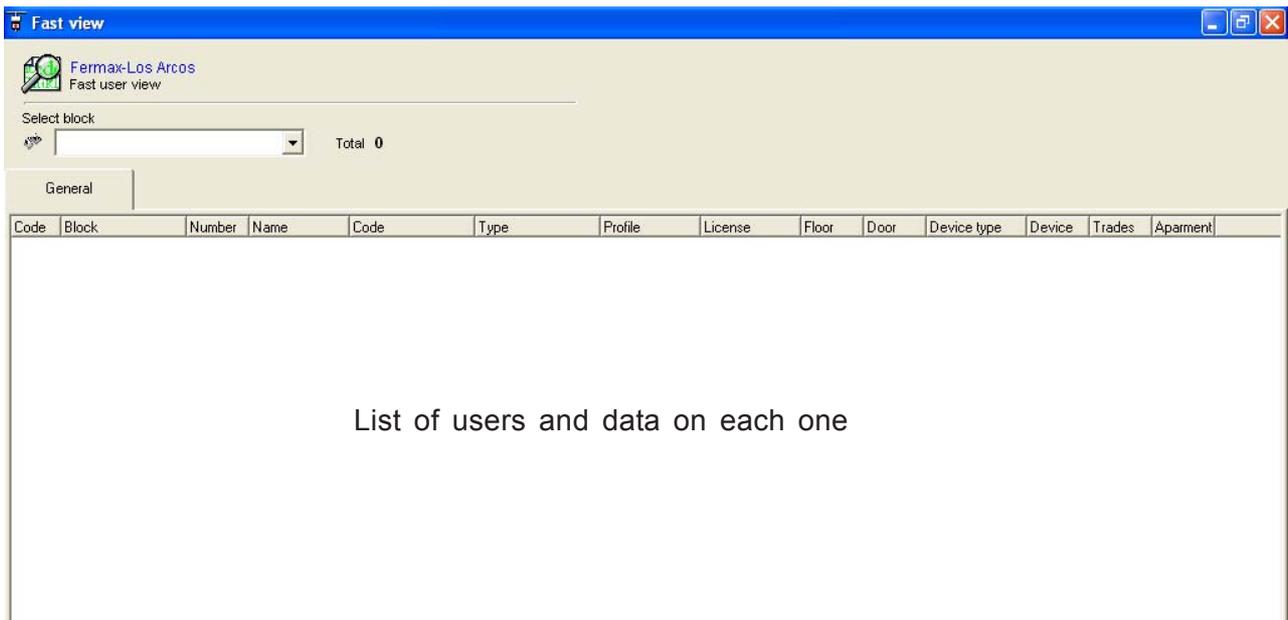
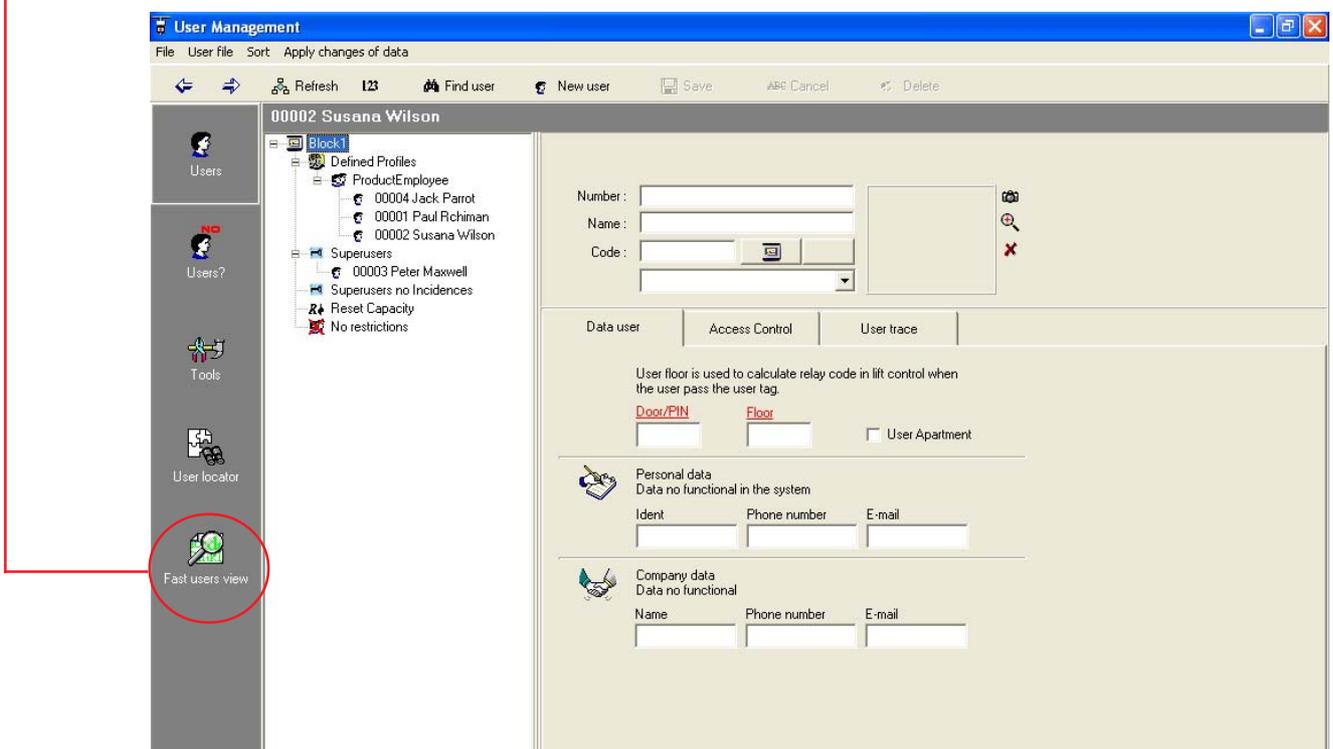
In this case, no user has been detected in the "00-Logistic" zone.

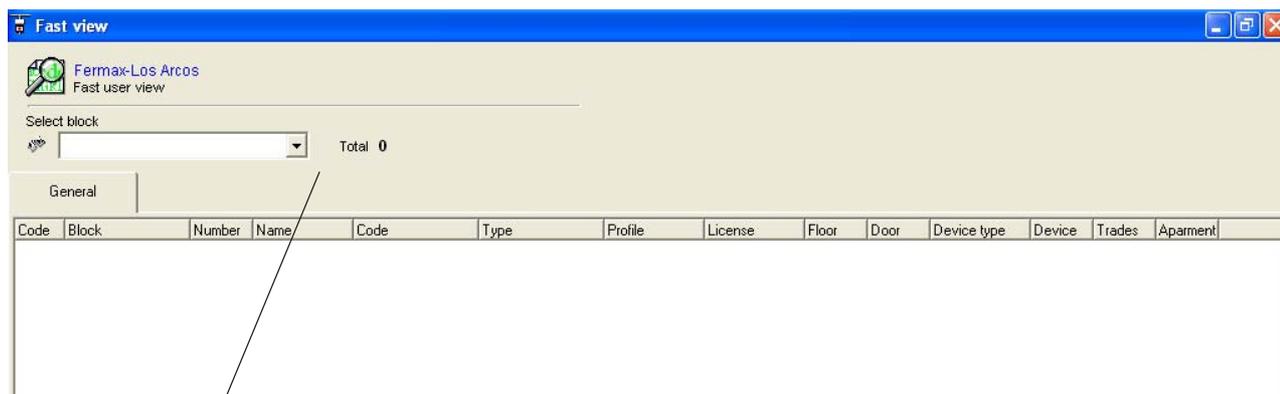
Click to close the Location screen.

Quick Review

With this option we view a list of all the user fields in a Block/Central Unit or the whole installation (all the Blocks/Central Units making it up).

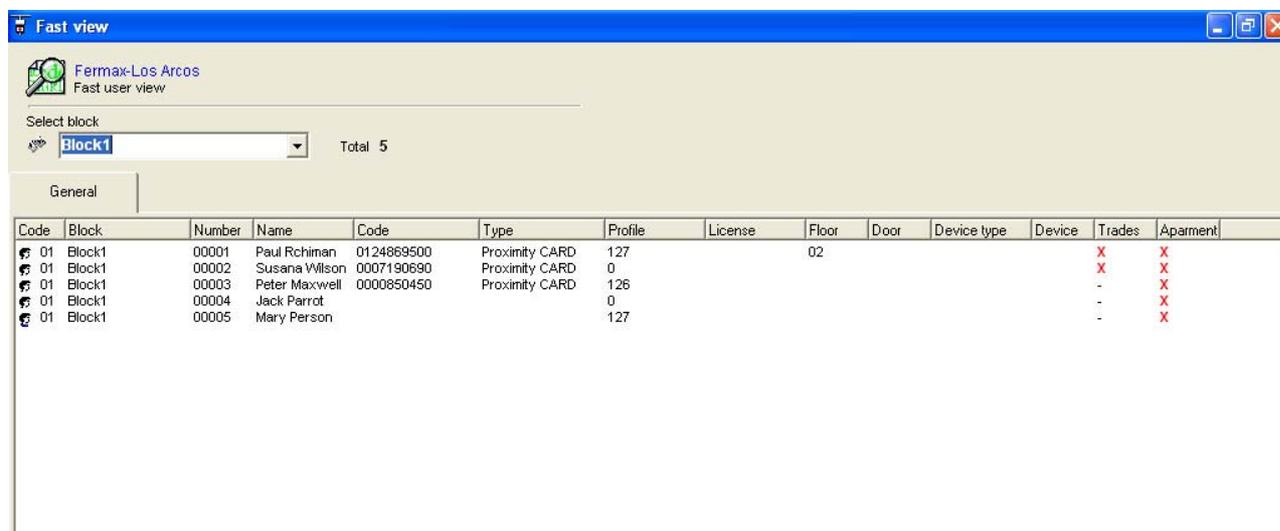
Click on the item "Quick View", on the left of the screen. The screen related to this option appears on the right, showing the possible inquiries:





Select the Block/Installation (from the drop down list) whose list of users and fields you wish to see.

Once the block is selected, the user data comes up automatically on the lower window of the screen:



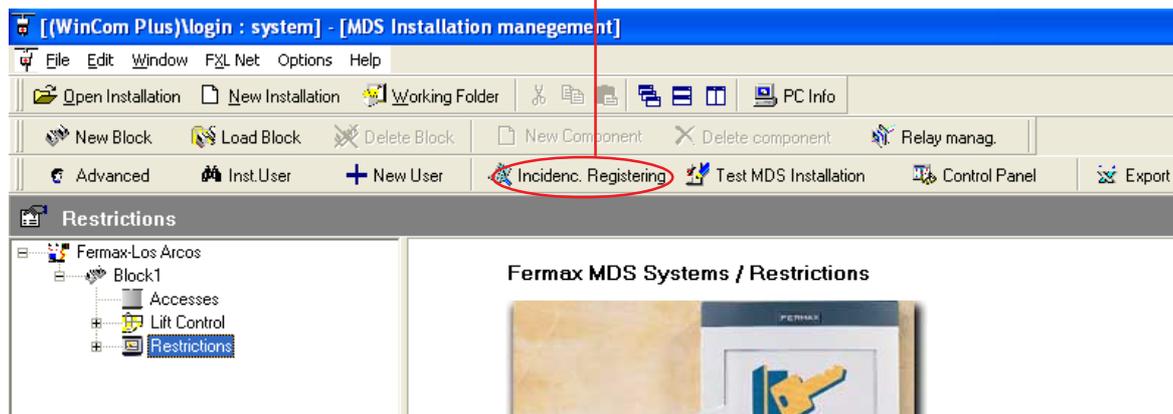
Click  (upper right screen) to close the "Quick View" window.

INCIDENCE REGISTERING File

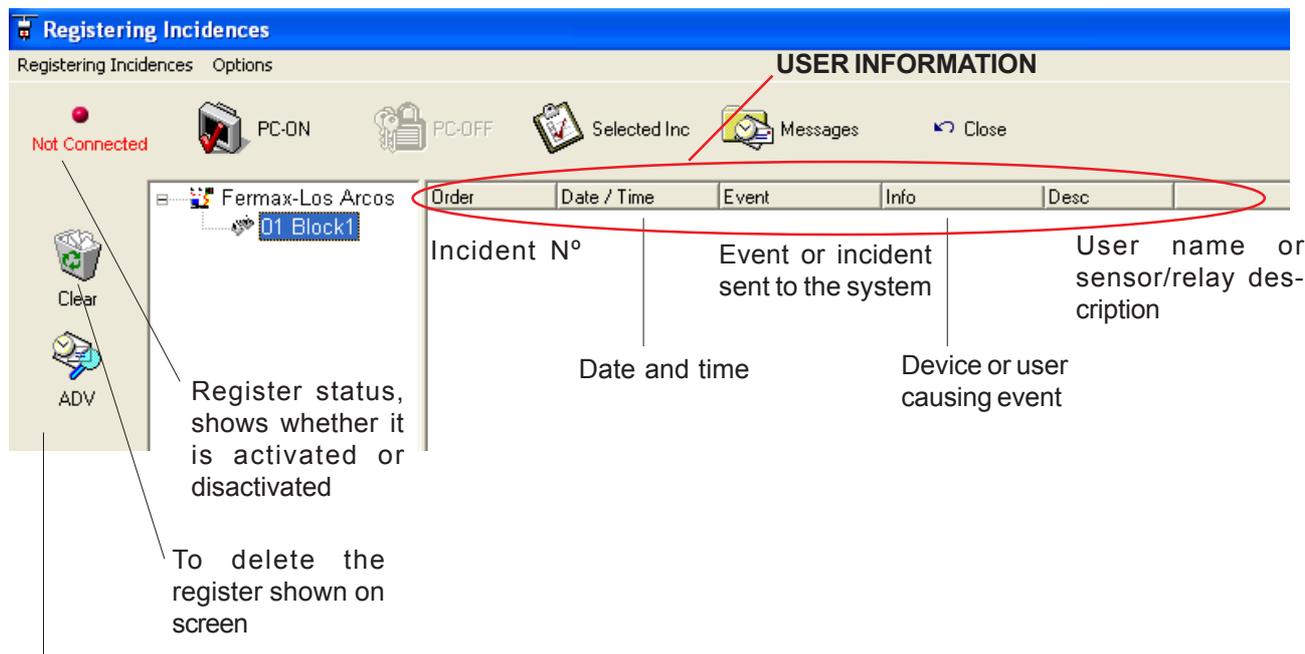
With this utility we can manage the incidents that are sent by the system. Incident means any activity that the system can control or manage.

Incidence Registering Screen

To access the Incidence Registering Screen, click on the  button on the Main Screen toolbar, at any time.



The Incidence Registering Screen appears, where we can manage the system incidents:

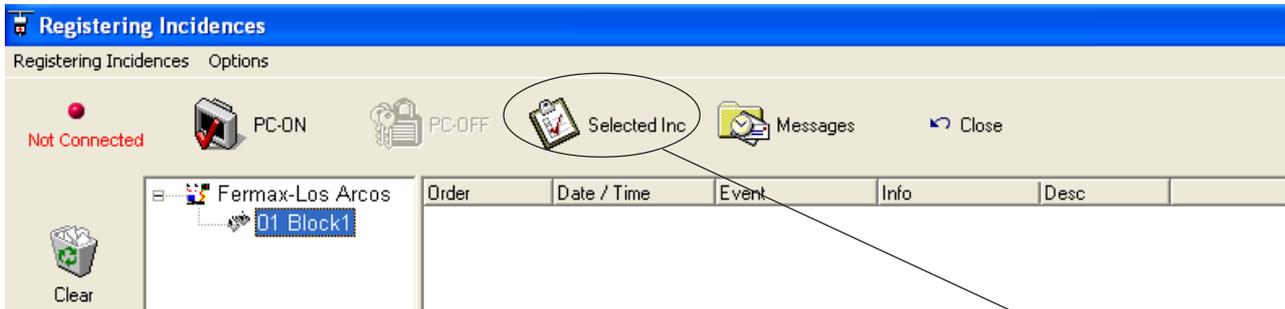


We view the incidents stored in a **.db** file created hourly. The file created has the following format **yymmddhh.db**. So: **yy** 2 digits per year, **mm** 2 digits per month, **dd** 2 digits per day, **hh** 2 digits per hour.

 Selected Inc Lets you select the type of incidents detected by the Central Unit (there are 24 types). (See "Incidents Selection" section in this File).

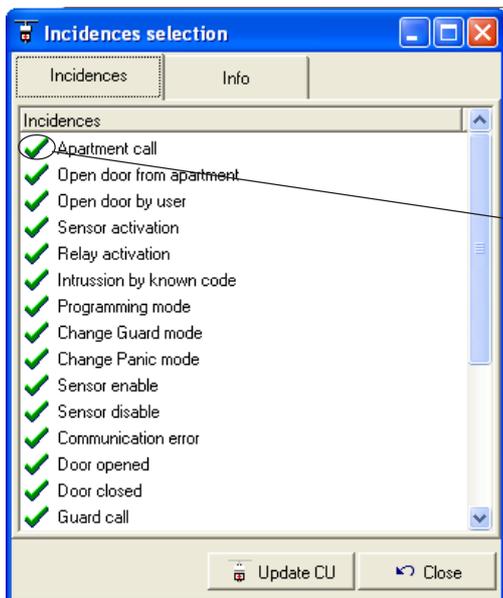
 Messages Lets you define ON-line messages associated with the different types of incidents. (See "Editing Messages" section in this File).

Incidents Selection



Select a Block (left of the screen). This enables the "Incidents Selection" button.

Press the  Selected Inc button. The following screen comes up, showing the complete list of incidents that the system can handle:



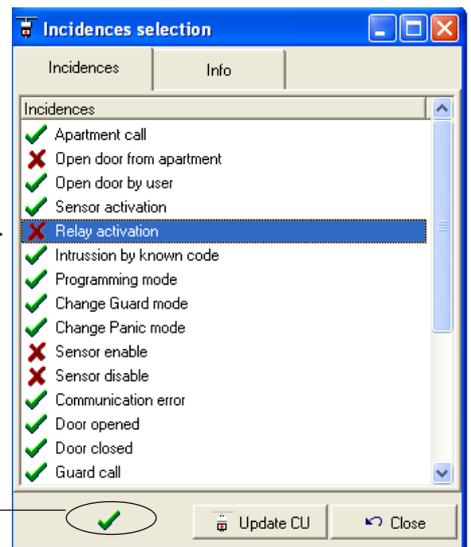
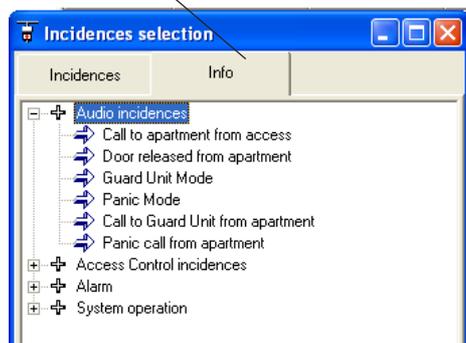
The icon on the left of the incident indicates if the incident is enabled (i.e. can be managed by the system) or disabled (will not be handled by the system):

- Indicates that this incident is handled by the Central Unit. (**enabled**).
- Indicates that this incident is **NOT** handled by the Central Unit. (**disabled**).

To enable or disable an incident, click on the corresponding icon (✓, ✗) at the right of the incident. The incident goes from enabled to disabled, and vice-versa (the icon changes to corresponding status)

Press  Update CU to update changes in the Block/Central Unit.

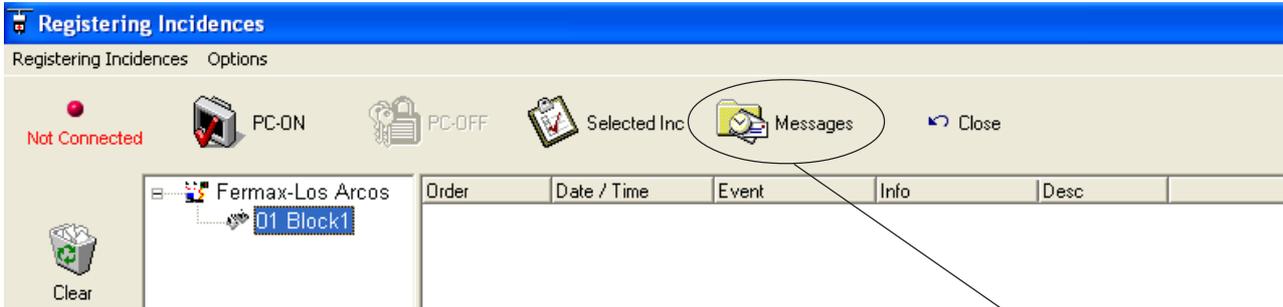
For further information on types of incidents, click the "Information" tab. An incidents classification is shown:



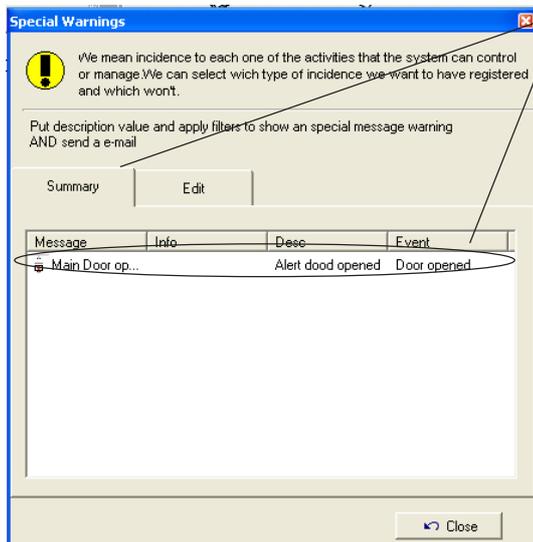
This icon indicates that updating has been carried out correctly.

Press  Close to close the Incidents Selection window.

Editing Messages

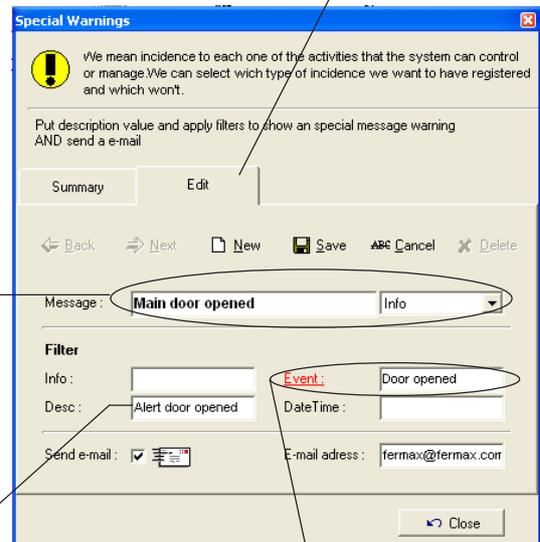


Press the  Messages button. The following screen comes up, where we can create a warning message and associate it with a determined incident, so that when it occurs, the corresponding message appears.



The "Summary" tab shows information about existing messages.

To create messages, select the "Edition" tab and fill in the necessary information:



1st) Click  New to create a new message.

2nd) Enter the Text to be shown in the message and select the type of message from the drop down menu: "Information" (Info), "Warning" or "Danger".

3rd) Enter the Description to save the created message with.

4th) Associate the message with a specific incident. To do so, click on the word "Event". The incidents selection screen comes up:

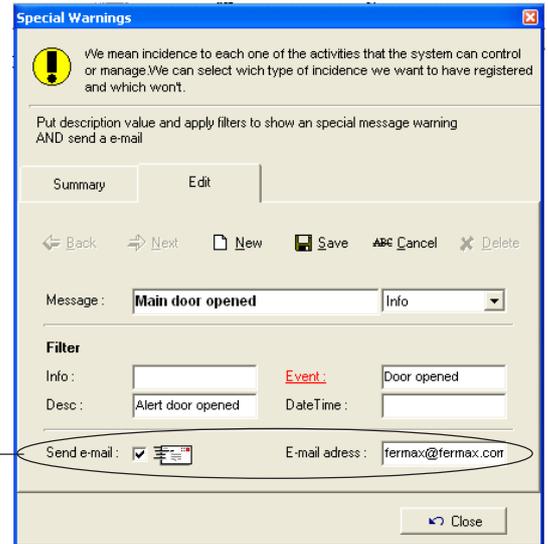


Select the incident that will show the created message on screen when it occurs, and click .

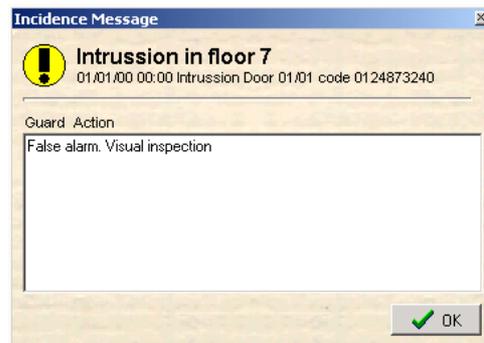
5th) If you want the message to be sent to an e-mail account when the associated incident occurs, activate the  box and write in the e-mail address. (*)

6th) Press  to save the created message.

Press  to close the Editing Messages screen.



The message shown on screen when the incident occurs will be as follows (the text and warning icon will vary depending on the message and the type chosen during its creation):



Modify and Delete Messages

Access the Messages screen.

Use the   buttons to move between the different Messages (until you find the message to be modified/deleted).

Modify

Access the different data and make the desired changes.

Press  to **save** changes or click  to **cancel** the data edition.

Delete

Press  to **delete** the selected Message.

Remark



(*) Using this feature will increase the PC resource consumption

Incidence Registering Operation and Management

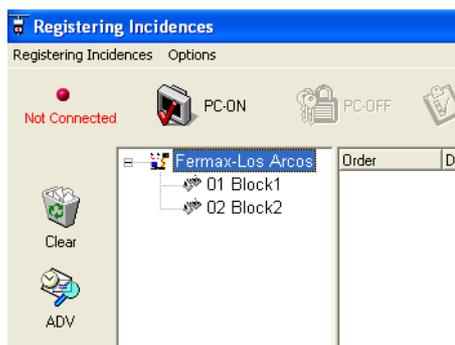
The MDS system offers 3 incidents register modes:

Incidence Registering - Central

Incidence Registering - PC

Incidence Registering - Central ->PC

You can activate these modes on a selected block or the whole installation.



Whole Installation



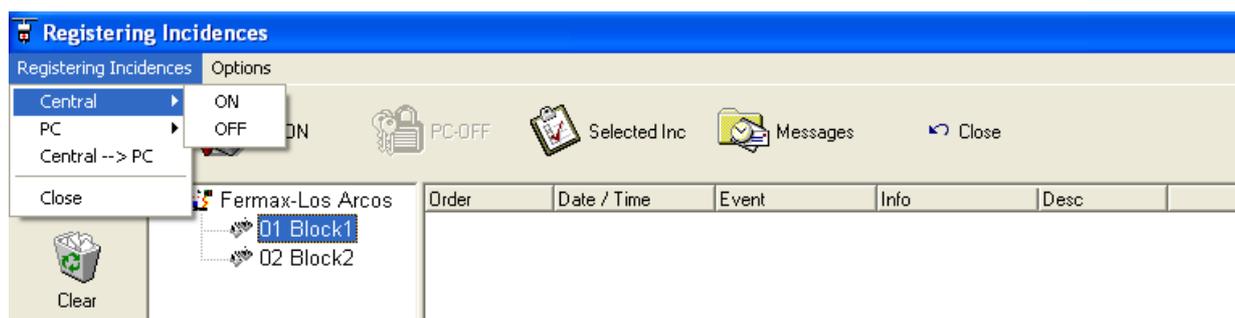
Block Selected

To activate or deactivate any of these registers, you need a password, which by default is: 51968.



Incidence Registering - Central

Activate the Incidence Registering in the Central Unit/s memory, to be sent later to the PC, with the Central Unit ->PC option.



ON: The system starts to store the incidents in the internal memory. First, the system will ask us if we wish to delete the existing registers.



OFF: The system stops storing the incidents.

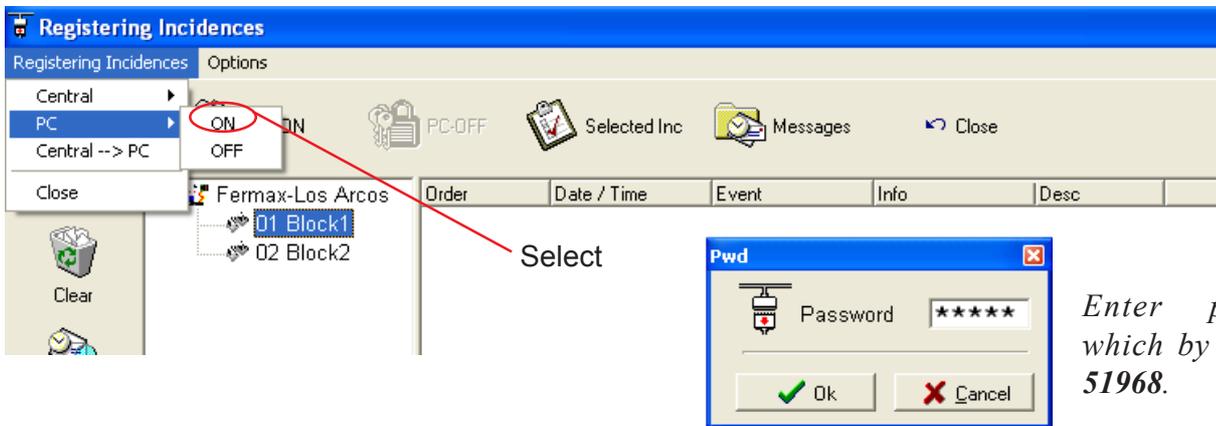
Remark



The system stores the last 4,000 incidents. If memory capacity is exceeded, the oldest register is erased to make way for the new ones.

Incidence Registering - PC

The PC stores and displays all incidents received from the Central Unit in real time.

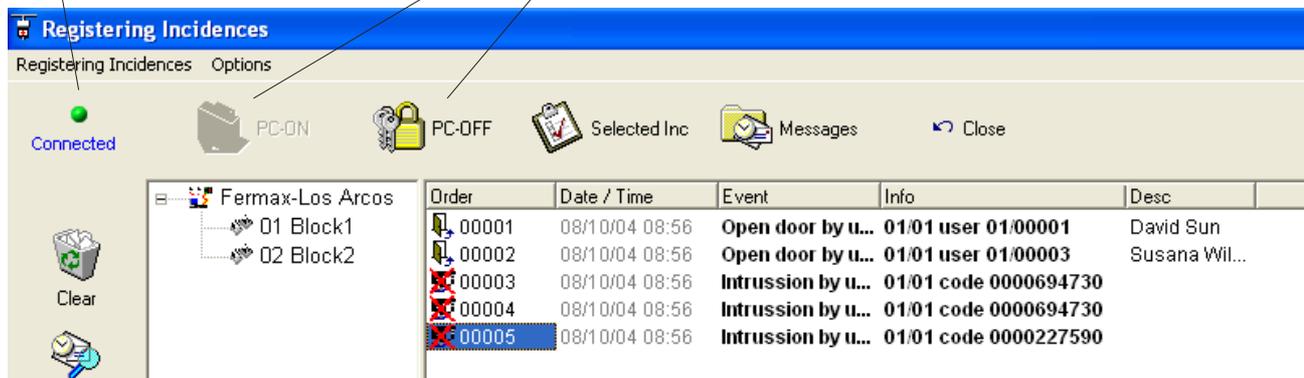


ON: The system starts to send the incidents to the PC. The PC will be connected to the installation by Programming Module Ref. 2466 or Ref. 2338. The MDS Wincom PLUS program will also be running.

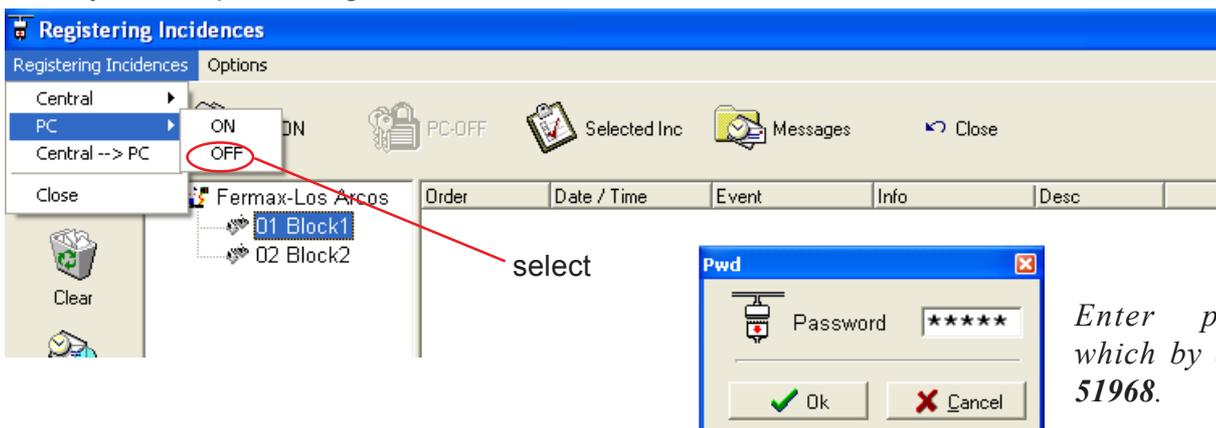
Incidents may be seen on the PC screen and are stored in a file created automatically with the following format **yymmddhh.db**. So: **yy** 2 digits per year, **mm** 2 digits per month, **dd** 2 digits per day, **hh** 2 digits per hour, as of starting the incidents register.

Indicates we are connected to the system (PC->ON)

This option can also be accessed via these icons on the main menu bar.

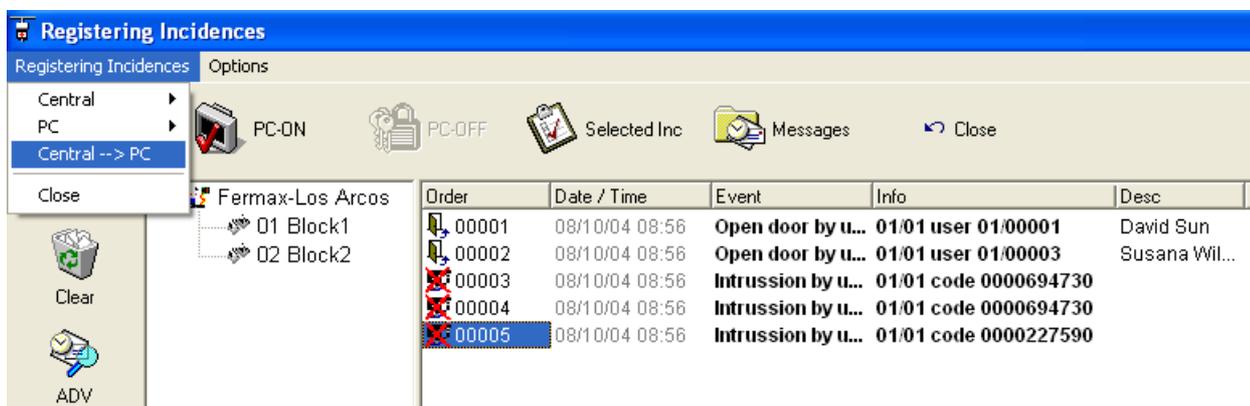


OFF: System stops sending incidents to the PC.

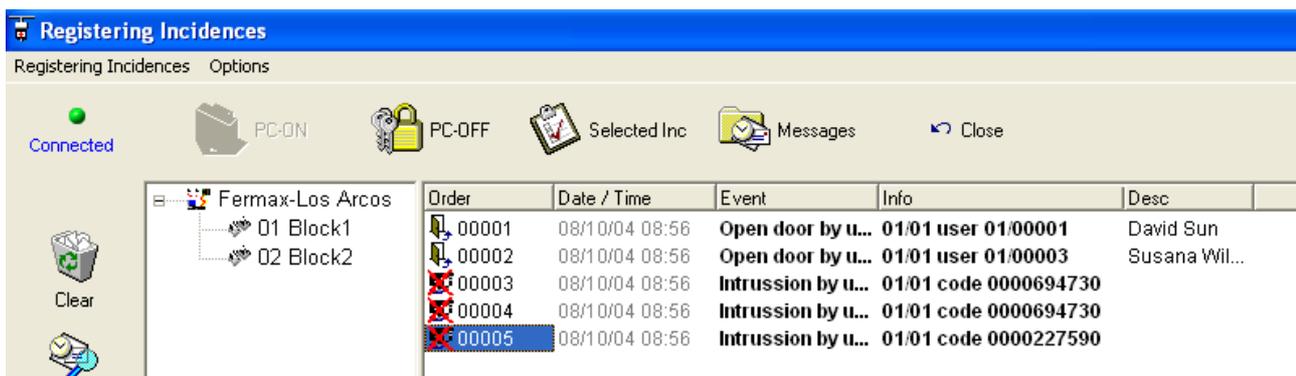


Incidence Registering - Central Unit ->PC

If this option is activated, the incidents stored in the Central Unit MEMORY are sent to the PC.



The registers can be seen on the PC screen and are stored in a file created automatically with the following format: **yyymmddhh.db**. So: **yy** 2 digits per year, **mm** 2 digits per month, **dd** 2 digits per day, **hh** 2 digits per hour, as of incidents register download from Central Unit to PC.



Remark

When leaving the **Incidence Registering** without logging off (PC-OFF) from the Central Unit, this warning message comes up indicating that the Incidents Registering is still active.



Incidence Registering - Options

Registering Incidences

Registering Incidences Options

Connected

Clear

ADV

Options

- Show data user
- Don't repeat last incidence
- Define warning messages

Selected Inc Messages Close

Order	Date / Time	Event	Info	Desc
000001	08/10/04 08:56	Open door by u...	01/01 user 01/00001	David Sun

If selected, shows data on users every time an incident is generated

If selected, does not repeat the last incident

User

ON-Line OFF-Line

General Info Access control

All fields marked with an asterisk (*) must be filled for a right access control

Fermax \ Block 1

* User Number 00001

* Name Peter Maxwell

PIN 1111

Floor 01

Apartment

* Code 0000694730

Code type Proximity CARD

Access the Message Editing Screen.
(See "Editing Messages" section in this File).

If Messages have been defined, the message shown on screen when the incident occurs will be as follows (text and icon vary according to the message and the type selected in its creation):

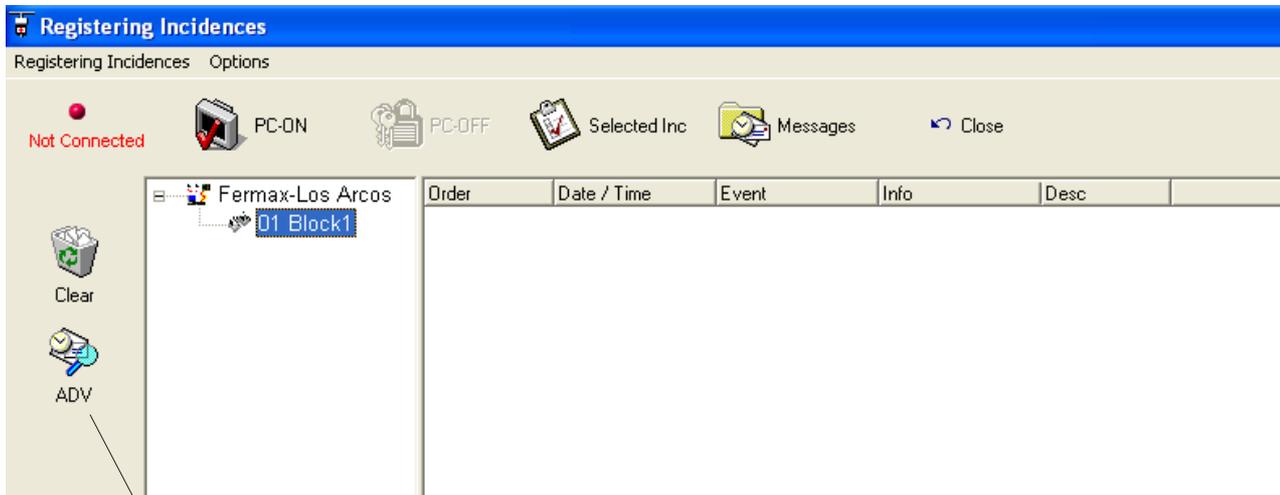
Incidence Message

! **Intrusion in floor 7**
01/01/00 00:00 Intrusion Door 01/01 code 0124873240

Guard Action
False alarm. Visual inspection

OK

Incidence Registering - Advanced



Incidents are viewed stored in a .db file created with incidents on an hourly basis. The created file has the following format: **yymmddhh.db**. So: **yy** 2 digits per year, **mm** 2 digits per month, **dd** 2 digits per day, **hh** 2 digits per hour, as of starting the incidents register.

Click to view the current file.

Open a file

Close a file

Export to an Excel table

Search for an incident

Exit

May be ordered by USER INFORMATION

Search by code

Search by fields depending on the field selected from the drop down menu

False Alarm.

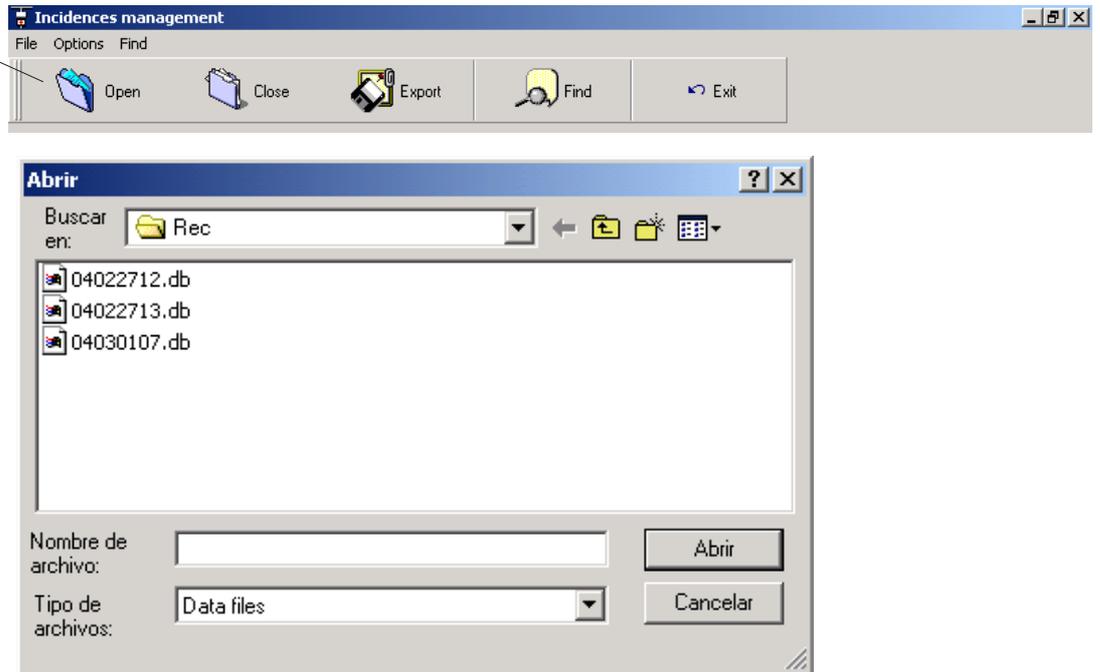
Indicates that the incident has a message associated

Order	DateTime	Event	Info	Desc	Warning
1	01/01/00 00:00	Opened Door	01:02 user 01/000		X
2	01/01/00 00:00	Opened Door	01:02 user 01/000		
3	01/01/00 00:00	Opened Door	01:02 user 01/000		
4	01/01/00 00:00	Opened Door	01:02 user 01/000		
5	01/01/00 00:00	Opened Door	01:02 user 01/000		
6	01/01/00 00:00	Intrusion Door	04:02 code 01248		

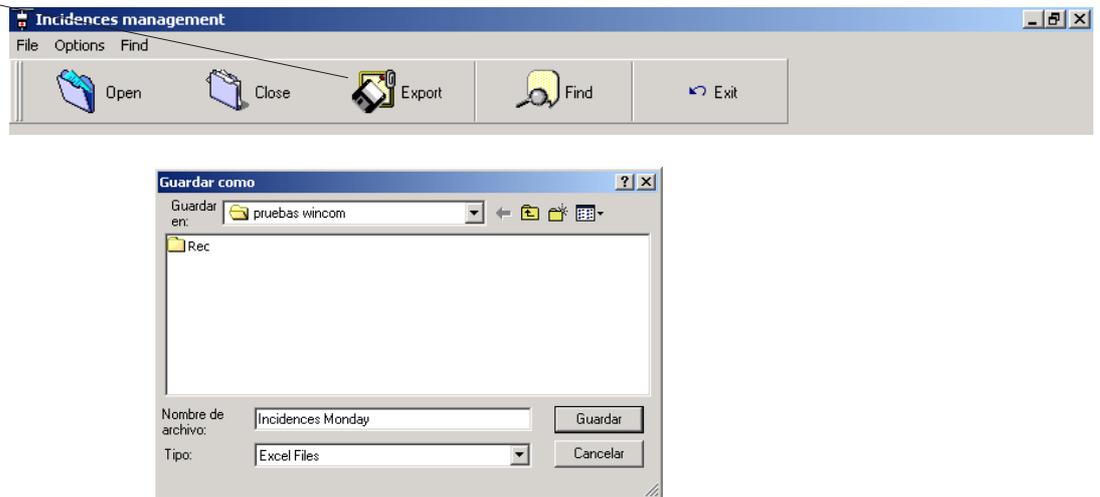
Remark

Any other incidents file stored by the system may be selected.

Open a file



Export to Excel table



Search for incident



Incidences Report

All incidence registered include the date and time of occurrence as well as the description of the incidence, which may be summed up in the following table:

Access Control Incidences:

- Door opened by user.
- Intrusion at access by known user.
- Intrusion at access by unknown user.
- Door open.
- Door left open.
- Door forced.
- Door closed.

Alarm:

- Sensor activation.
- Arm sensor from access.
- Disarm sensor from access.
- Relay activated.
- Relay deactivated.

System Operation:

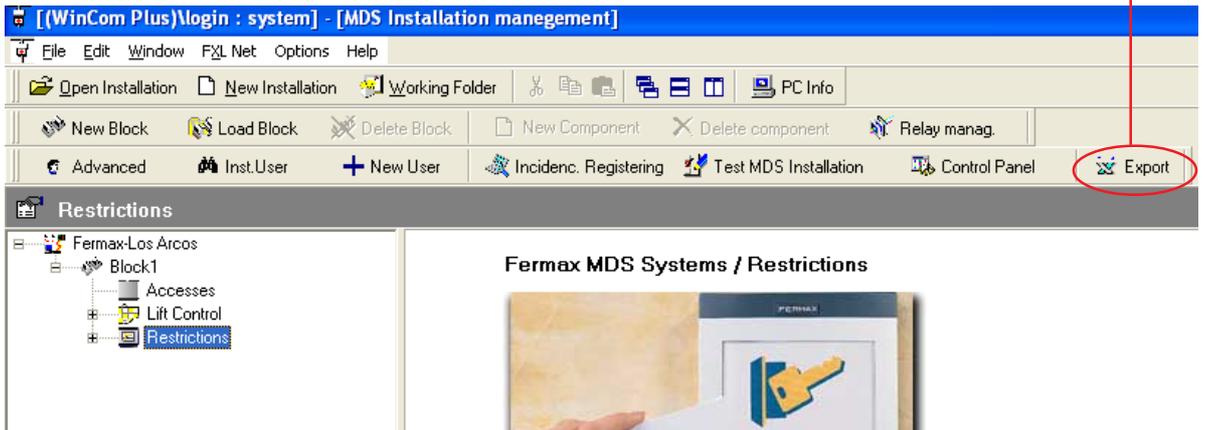
- Communication error
- Reset Central Unit.
- Start Incidents Register in Central Unit.
- End Incidents Register in Central Unit.

EXPORT File

With this utility we can export all the tables (users, accesses, profiles ...) defined in an installation to EXCEL files (one file per table).

Export Screen

To access the Export screen, press the  **Export** button on the Main Screen toolbar at any time.



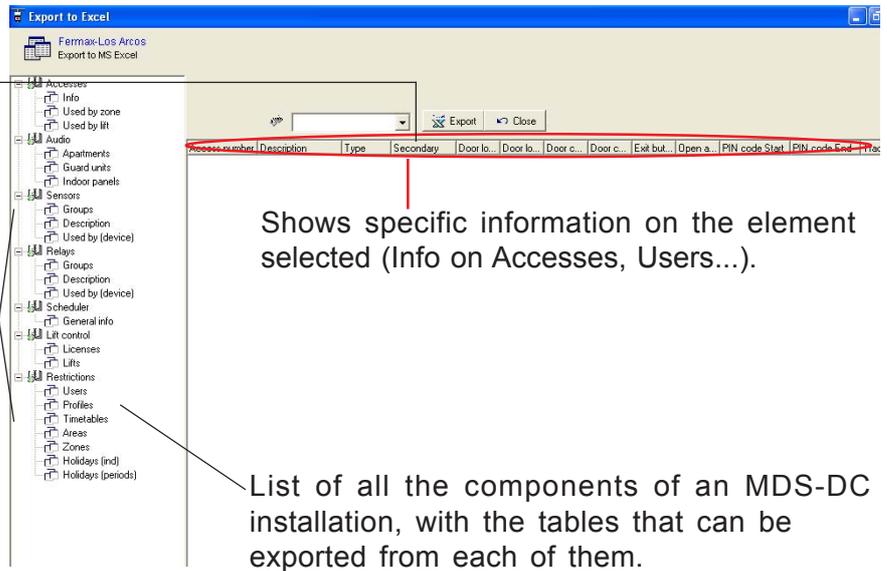
The Export Screen comes up, there we can select the information to be exported from a given Block/central Unit:

To Export data:

1st) Select the Block/Central Unit from the drop down list.

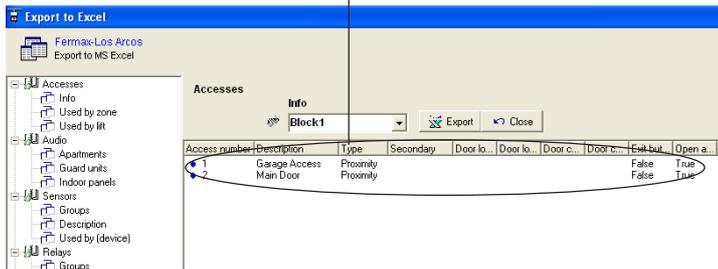
2nd) Select the information you wish to export by clicking on the corresponding element from the list.

The information corresponding to that element (which is to be exported) is shown on the right of the screen.

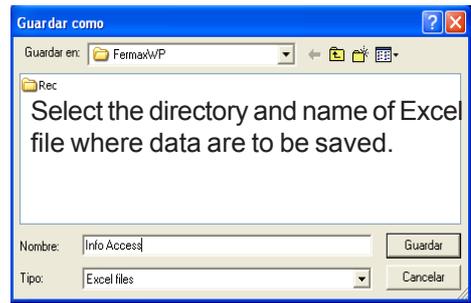


Shows specific information on the element selected (Info on Accesses, Users...).

List of all the components of an MDS-DC installation, with the tables that can be exported from each of them.



3rd) Click .



Click  to close the Export screen

RELAYS Management File

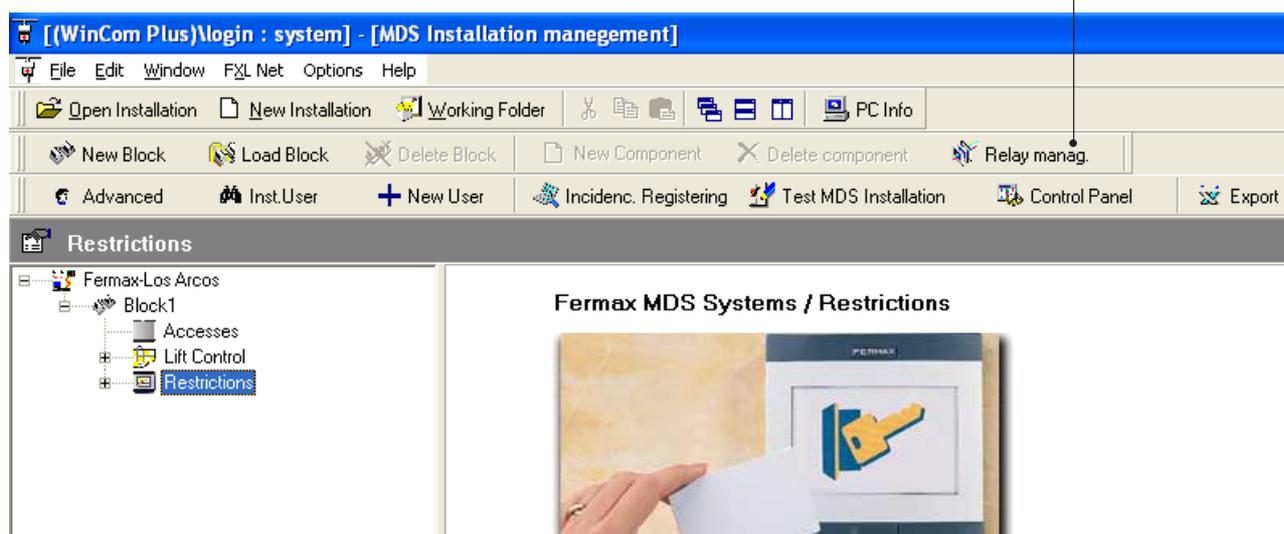
Lets you manage and define the Relay Decoders in the installation and configure the corresponding relay outputs.

Relay Decoders are required if any of the following features are used in the installation:

- If you want to control the maximum capacity in one or more zones. The relay selected for this function will be activated when the maximum capacity is reached.
- When LIFT CONTROL is used (See Lift Control File).
- If the door release at the accesses is done by relay decoders (for maximum security) instead of directly from the outdoor panel (See Accesses File>>Create Accesses >> Options >>Door Release).
- When the activation of a sensor or group of SENSORS generates activation of a relay.
- When a SCHEDULER is required (See Scheduler File).

Relay Management Screen

On the left of the Main Screen, select the Block whose relays you wish to handle and click the  button



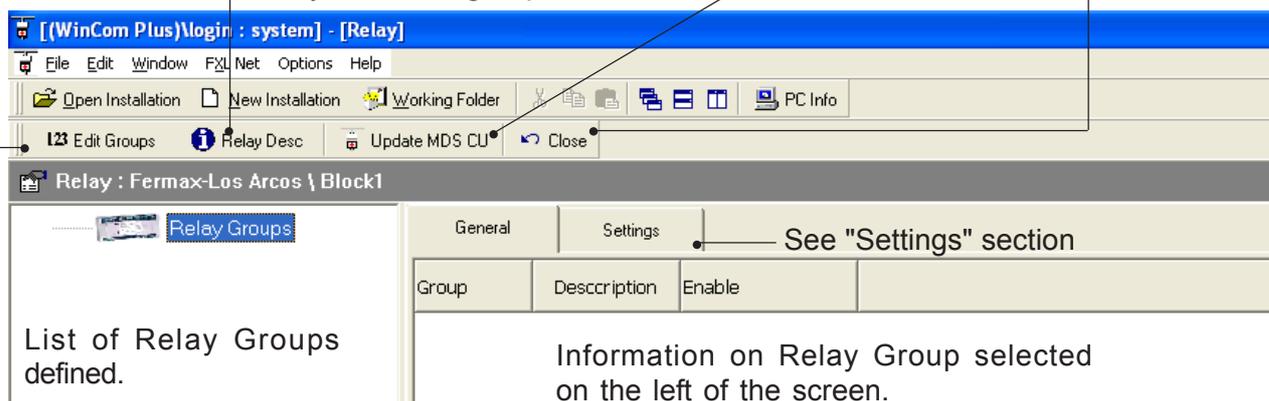
The main Relay Management Screen appears

Access to screen for creation and edition of groups or relays.

Lets you assign a description of all the relays in each group.

Update relay data in Central Unit.

Close Relay Management Screen.



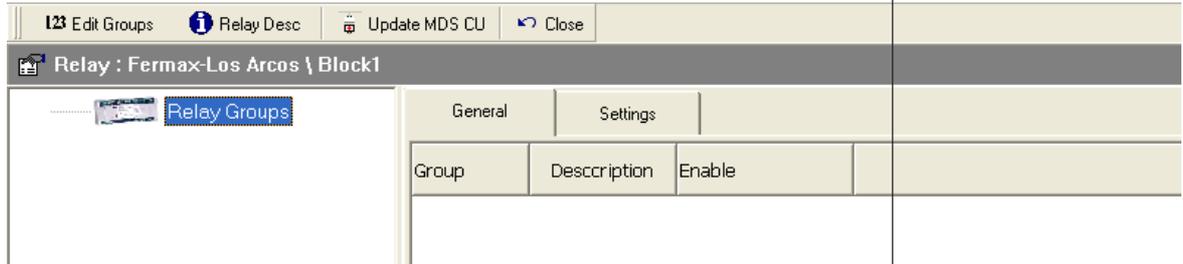
List of Relay Groups defined.

See "Settings" section

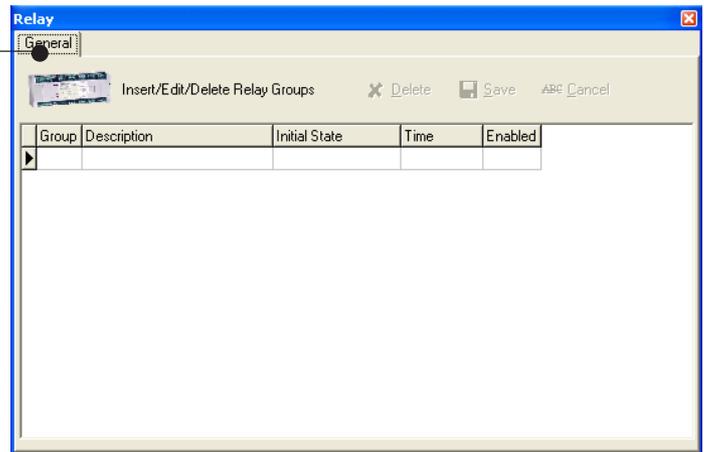
Information on Relay Group selected on the left of the screen.

Create/Define Relay Groups

On the Relay Management Main Screen, press the **Edit Groups** button or double click on the right of the screen.



The following screen comes up



*** Group:**

Up to 10 groups of relays can be defined. Enter a value from 0 to 9 in this field.

This number corresponds to a group of relays to be used for the same defined application.

- Group 0 = Relay Numbers from 000 to 099
- Group 1 = Relay Numbers from 100 to 199....
-

The relay decoder outputs are to be programmed with any of these addresses, and thus perform the function defined to its relay group. (All relay decoder outputs can be programmed using Decowin software or a Direct/Digital outdoor panel).

*** Description:**

Text that defines the function of all relays in this group. Its only function is as a reminder for the user.

*** Initial Status:**

Initial status of relay. This parameter is stored in the relay decoder itself.

Select ON or OFF in the drop down menu.

- OFF = Relay not active.
- ON = Relay active. Inverse operation: the timing will be deactivated afterwards.

*** Active:**

Select TRUE from drop down menu to enable the relay group. Select FALSE to disable the group when necessary, but maintaining all the data in case you need to enable it again in the future.

*** Time:**

Indicates relay activation time. This parameter is stored in the relay decoder.

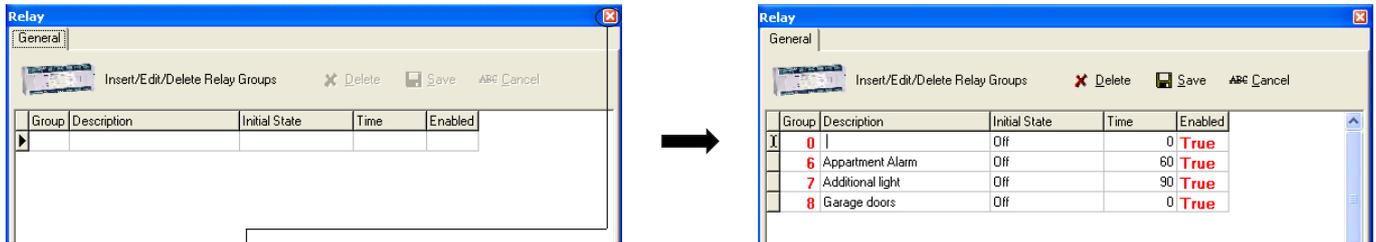
- TIME =0. Not timed or timed by central unit. The relay remains in the previous state (the one it had), unless modified by the Central Unit. For example, The Scheduler application, where the start and end time is controlled by the Central Unit.
- TIME = 1..255. Timing possible from 1 to 255 seconds. The relay goes back to its initial state automatically after this time.

Remark



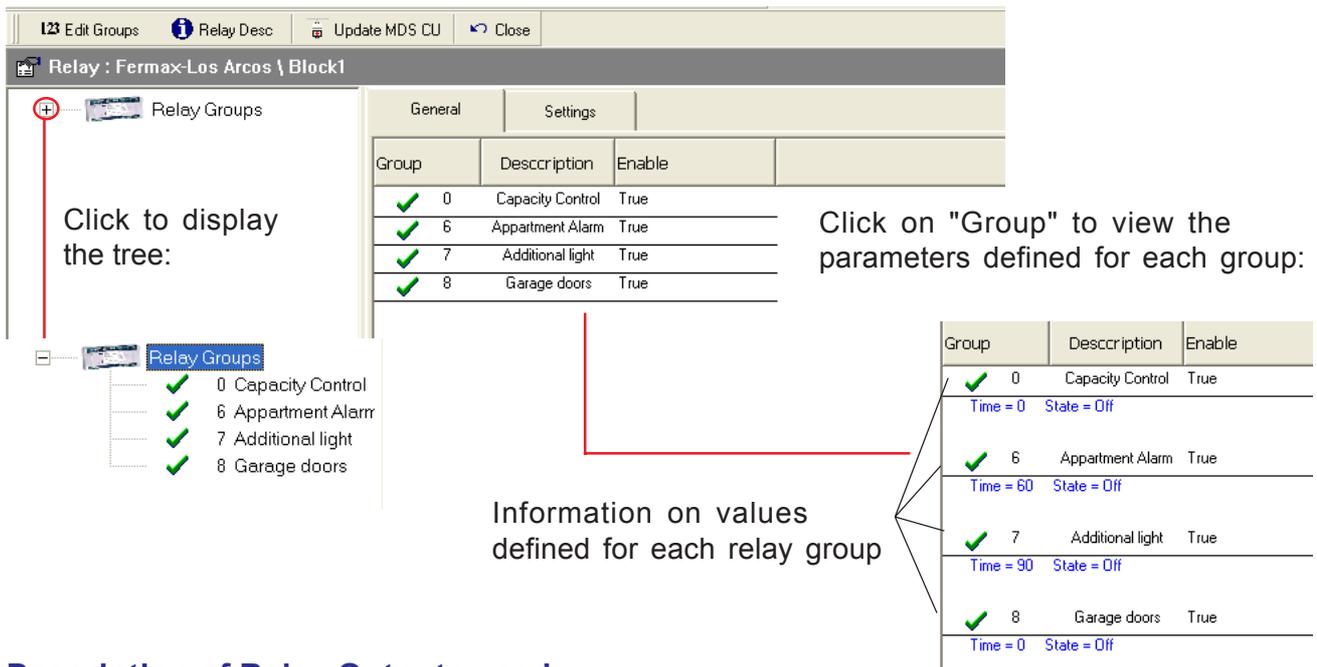
If the relays are defined as (STATUS=ON), the decoder is automatically activated when the power comes on and remains in this state until the central unit changes it (TIME=0) or the timing ends (TIME=1..255). See Relays ANNEX at the end of this File, on Fire Prevention Relay configuration.

Define the different relay groups and click  Save to save the data.



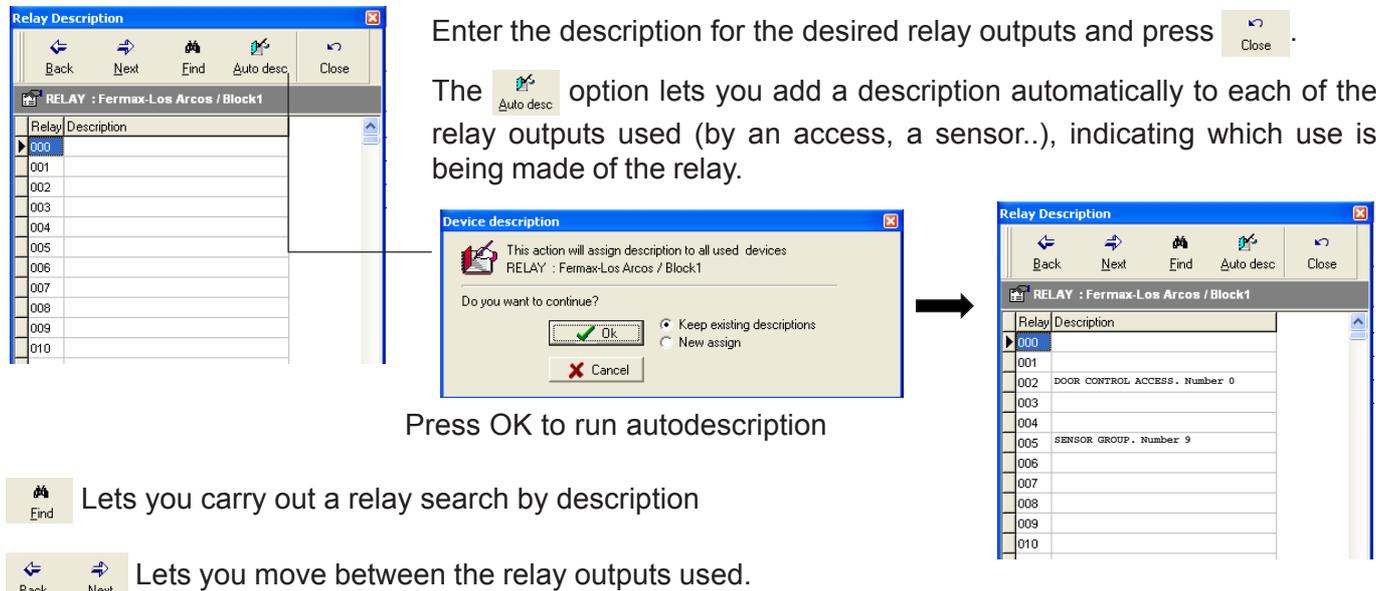
Click on the  icon on the upper right screen to close the window.

The groups created appear on the main Relay Management screen:



Description of Relay Outputs used

As well as the Relay group description, you can enter (optionally) a new description for each one of the relay outputs (positions) that make up each group, by clicking the  Relay Desc button. The following screen comes up:



Enter the description for the desired relay outputs and press .

The  option lets you add a description automatically to each of the relay outputs used (by an access, a sensor..), indicating which use is being made of the relay.

Press OK to run autodescription

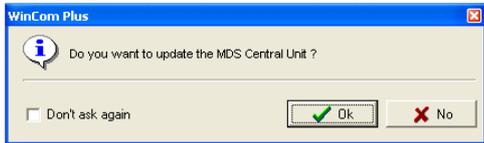
 Lets you carry out a relay search by description

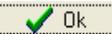
 Lets you move between the relay outputs used.

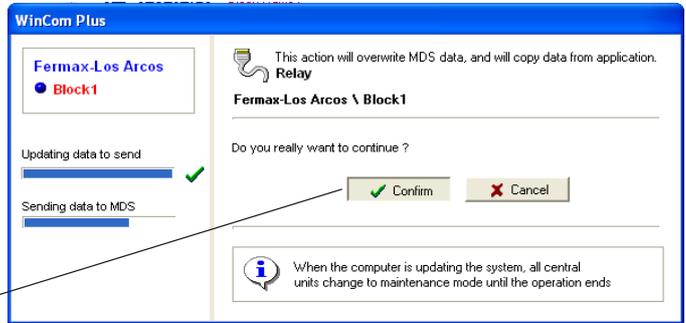
Updating Relay Data

Once the relays are defined, or every time a modification is made to one, the data must be updated in the Central Unit.

Press  to update the data. The following screen comes up:



Click  to update the Relay data in the Central Unit of the installation.

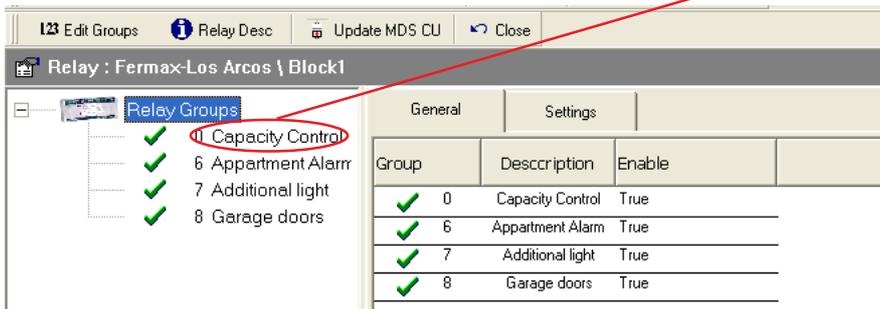


Click Confirm

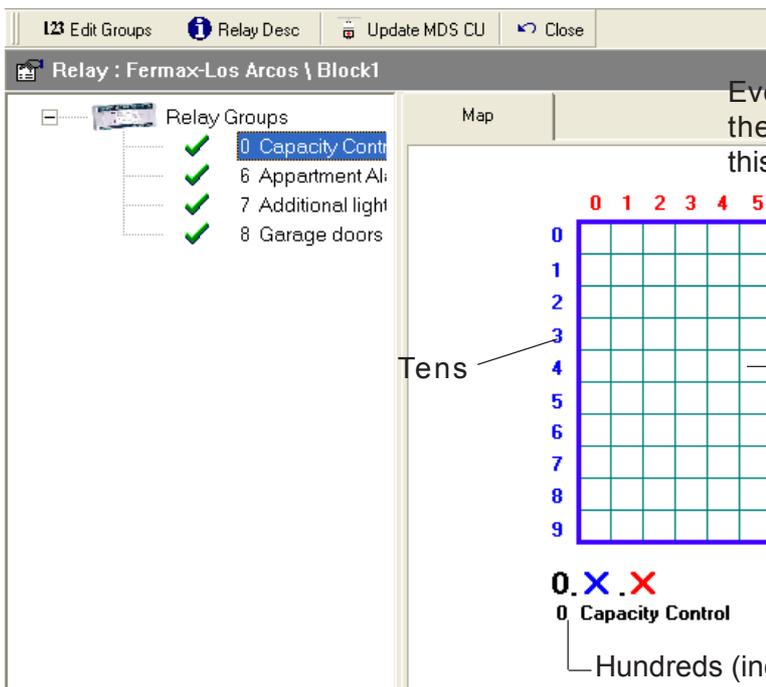
Relay Check

We can check which relay outputs of each relay group are being used in the installation by the different components (relay activation sensors, accesses...).

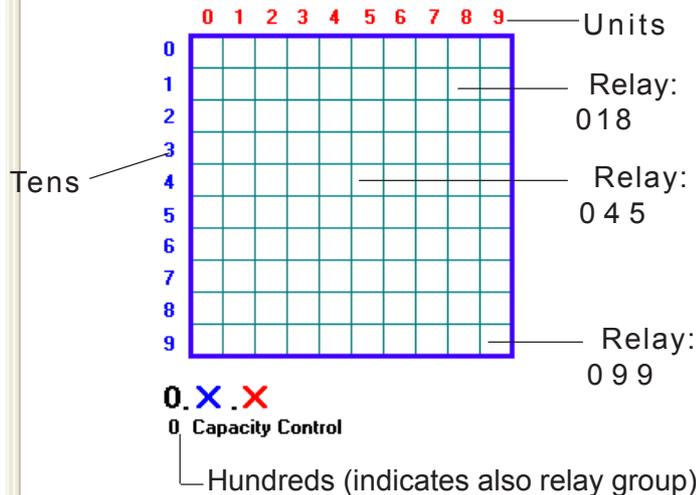
To do so, double click on the Relay Group you want to check on the the Relay Management main screen.



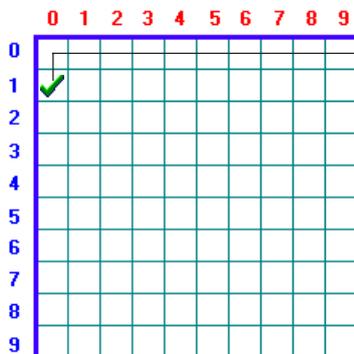
The following graphic appears on the right of the Relay Management screen, corresponding to the relay group selected:



Every cell of the graph corresponds to one of the relays making up the group (Group 0 in this case).



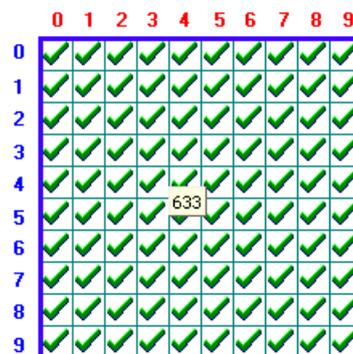
In these graphs we can see which relay outputs are being used, or have been assigned to a component in the installation (access, sensor, user..). The boxes corresponding to these relays are checked with the symbol ✓:



Relay 010 of "Relay Group 0" is assigned to or used by some installation component.

All the Relays in "Relay Group 6" are assigned to or used by component/s of the installation.

0. X.X
0 Capacity Control

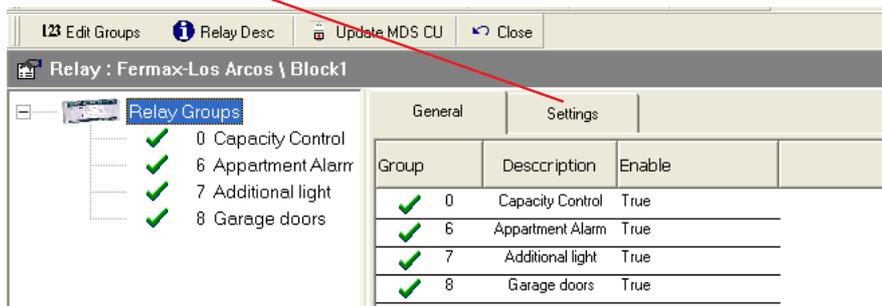


6. X.X
6 Appartment Alarm

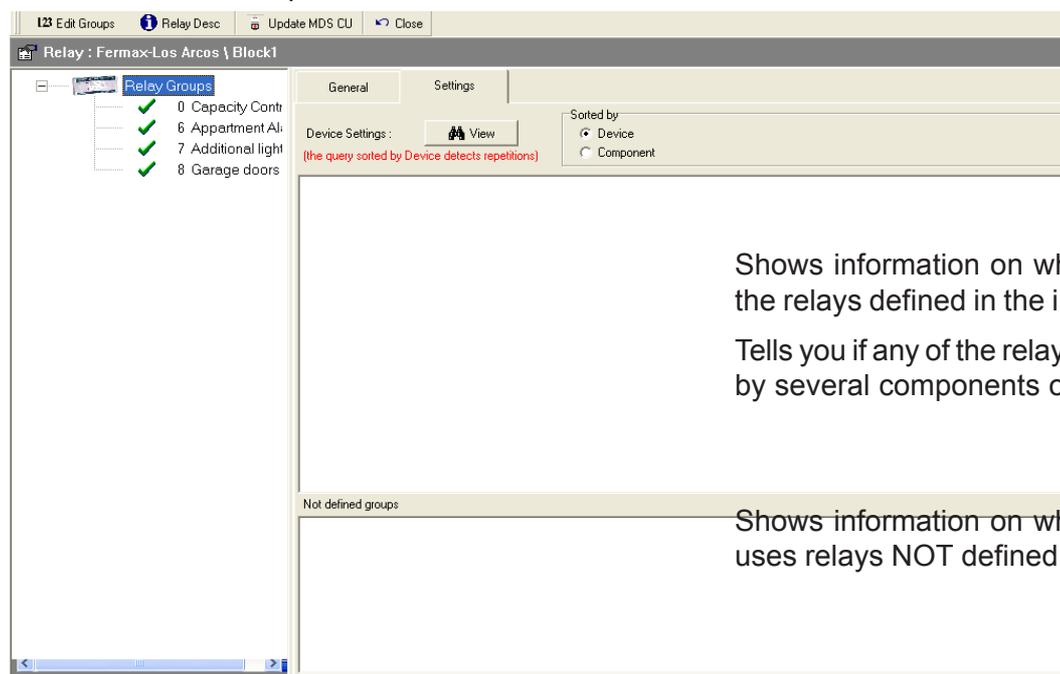
Settings

We can check by which installation component or in which zone or area of the installation the relays are being used.

To do so, click on the "Settings" tab visible on the right of the Relay Management main screen.



This screen comes up:



Shows information on which component or zone the relays defined in the installation are used in.

Tells you if any of the relays are repeated, i. e. used by several components or zones

Shows information on which component or zone uses relays NOT defined in the installation.

Press View to run the settings:

010 DOOR LOCK ACCESS Number:1
010 DOOR LOCK ACCESS Number :2
 600 SENSOR GROUP Number:4
 601 SENSOR GROUP Number:4
 602 SENSOR GROUP Number:4
 603 SENSOR GROUP Number:4
 604 SENSOR GROUP Number:4
 605 SENSOR GROUP Number:4
 606 SENSOR GROUP Number:4
 607 SENSOR GROUP Number:4
 608 SENSOR GROUP Number:4
 609 SENSOR GROUP Number:4
 610 SENSOR GROUP Number:4
 611 SENSOR GROUP Number:4
 612 SENSOR GROUP Number:4
 613 SENSOR GROUP Number:4
 614 SENSOR GROUP Number:4
 615 SENSOR GROUP Number:4
 616 SENSOR GROUP Number:4
 617 SENSOR GROUP Number:4
 618 SENSOR GROUP Number:4
 619 SENSOR GROUP Number:4
 620 SENSOR GROUP Number:4

Not defined groups
101 ZONE Number :0
105 SENSOR GROUP Number :2

Relay 010 (Group 0) used by Access Number 1 for Door Release.
 REPETITION: Relay 010 (Grupo 0) used by Access Number 2 for Door Release.
 Relay 101: NOT DEFINED used by Zona 0.

Modify and Delete Relay Groups

To Modify or Delete a Relay Group, press Edit Groups or double click on the right of the screen:

The Relay Group editing screen appears, showing the existing relay groups:



Group	Description	Enable
0	Capacity Control	True
6	Appartment Alarm	True
7	Additional light	True
8	Garage doors	True

Group	Description	Initial State	Time	Enabled
0		Off	0	True
6	Appartment Alarm	Off	60	True
7	Additional light	Off	90	True
8	Garage doors	Off	0	True

Modify Relay Groups

Then change the parameter value (Group N°, Description, Status, Timing, Active) of the relay group you wish to modify.

Press Save to save or Cancel to cancel the changes made.

Delete Relay Groups

Select the relay group you wish to delete by clicking on it and press Delete to delete.

Once the desired Groups are Modified or Deleted, click on the icon on the upper right of the screen to close the window.

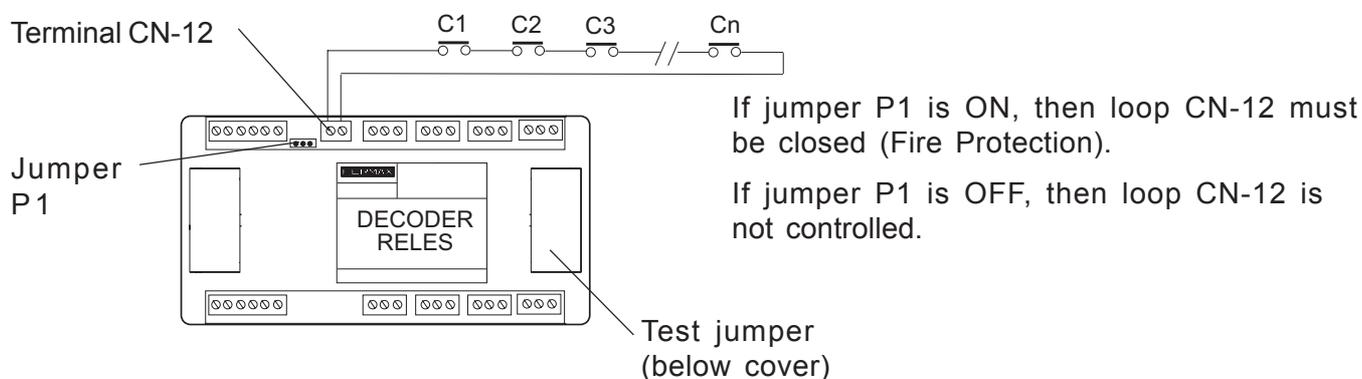
Update the changes made to the Relay Groups in the Central unit. Press Update MDS CU and the data update screen appears (See the "Updating Relay Data" section in this File).

Relays ANNEX (Fire Prevention)

Relay decoders have a connector (CN12) which, when a loop is closed, enables normal relay operation. When the loop is open, all the relays are deactivated. This is used to leave all the relays in default mode (de-energised). This is applied to deactivate all the relays in the decoder (and so free up all the door release controls). See sketch.

If this input/connector is used, the configuration must be:

- * Jumper P1 must be in the "ON" position. If this function is not required, leave the jumper in the "OFF" position.
- * Relays must be programmed as initially activated.



Remark



The relay numbers must be programmed in the Relay Decoders after loading the Relay Table data into the system.

This is because when the system loads the TIME and STATUS values of each relay in memory, it takes the values assigned in the RELAYS table. If this table has not been defined, the values will always be TIME = 0 and STATUS = 0

If you are going to use a relay for door release activation in an access by means of DOOR RELEASE (See page 17), you must program the TIME parameter in the corresponding relay group, assigning a value equal to or greater than that assigned to the DOOR RELEASE-TIME of the corresponding access. This ensures relay deactivation if communication between central unit and decoder has been interrupted.

If using inverted function door release, you must assign STATUS = 1 and TIME = 0, to the corresponding relay.

SENSORS File

Lets you manage and define the Sensor Decoders in the installation and configure their function.

Sensor Decoders are needed if any of the following features are used in the installation:

- If there are several central guard units in an MDS-DC system and you want to be able to call any of them from the telephones.
- To activate a Relay by means of a Sensor.
- To send a message to the guard unit or make a call to a certain landline/mobile phone number.
- Simply to register an incident.

We can define/create up to 10 groups of Sensors (0-9). The working mode or function of each Sensor group depends on how the group has been defined, depending on the TYPE of Sensor chosen, i. e. each Sensor group is defined/created on the basis of the TYPE selected.

The different TYPES (working modes) available are:

- **Call Additional Guard Units (extras). (TYPE 1).**
- **Send message to a Guard Unit and/or activation of a Relay. (TYPE 2).**
- **Send message to a Guard Unit and/or activation of a Synchronised Relay. (TYPE 9).**
- **Simultaneous. (TYPE 6).**
- **Switch Relay. (TYPE 7).**
- **Dialler. (TYPE 4).**
- **Incidents Register only. (TYPE 5).**

Sensor Types (Working Modes)

The different sensor working modes are detailed below:

Call Additional Guard Units (extras). (Type 1).

Sensors defined as TYPE 1 are normally used in large installations with several guard units, when the residents want to be able to call the desired guard unit at will. This operation is different from the main guard unit, which is called from the phone handset door release pushbutton.

To do all this, each handset has one or more extra pushbuttons that are used to activate the corresponding sensor input, which will generate the call activation in the desired extra guard unit. Then, the guard unit can return the call to the house simply by pressing the "bell" button.

Choosing this option, it is also possible to generate a call to the guard unit from a City panel connecting the sensor input to the call button. This is useful, for example, in installations with detached villas or chalets with a panel in each one.

All the extra guard units must be connected to the same central unit.

Send a message to a Guard Unit and/or Activate a Relay. (Type 2)

This type has two functions. It can be used to control any standard detector (gas, fire, intrusion, etc.) and then generate a message shown on a guard unit display (see below) and/or activate a relay for any other application. It is possible to use both actions or only one: the relay or the message.

You can define up to 16 messages (of up to 16 characters each), and then indicate to the system which of them is to be shown on the guard unit display, depending on the type of activation.

Send a message to a Guard Unit and/or Activate a Synchronised Relay. (Type 9)

Similar function as the previous sensor (type 2), but also disconnects the relay activated when the sensor is deactivated. Used as application for fire door alarms.

Simultaneous. (Type 6).

This type of sensor functions as follows: each sensor is paired with its equivalent in the other group (for example 125 and 255). If either of them is activated, the incident is reflected (sensor active). If the other sensor of the pair is then activated, this new incident is also reflected, a relay is activated and a message is sent to the guard unit (defined for the smallest sensor group) indicating the number of the relay activated. When any of the sensors returns to standby, the relay is deactivated and a new message sent to the guard unit (defined for the largest sensor group).

One example of this application would be being able to activate an acoustic warning in each apartment if the doors and balcony are left open at the same time. Due to the great height of a building, we wish to avoid strong air currents that might exert pressure on the same or, on the other hand, in case of fire, contribute to propagating the fire. The guard unit must also be alerted of the situation.

Relay Switch (Type 7).

The only purpose of this type is to switch the status of a relay, i. e. if it is active, to deactivate it, and vice versa.

Dialler (Type 4).

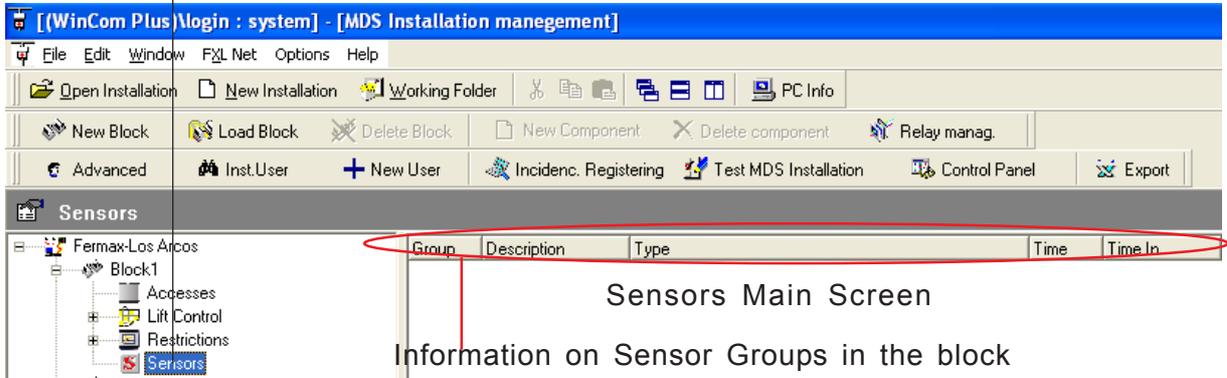
The purpose of this type is to make a call to the selected phone number every time a sensor is activated.

Incidence Registering Only (Type 5).

When a sensor of this type is activated, no noticeable action takes place, the incident is simply registered. The "Incidents Register" parameter must be selected. This may be useful, for example, to register the guard shift passing through different zones or for any other type of record that we wish to make.

Sensors Screen

Click "Sensors" on the left of the screen. On the right (Sensors Main Screen) appears information on the Sensors defined in the installation (if there are any):



Double click on the Sensors main screen or press the right mouse button and select the "Edit data" option from the pop-up menu:



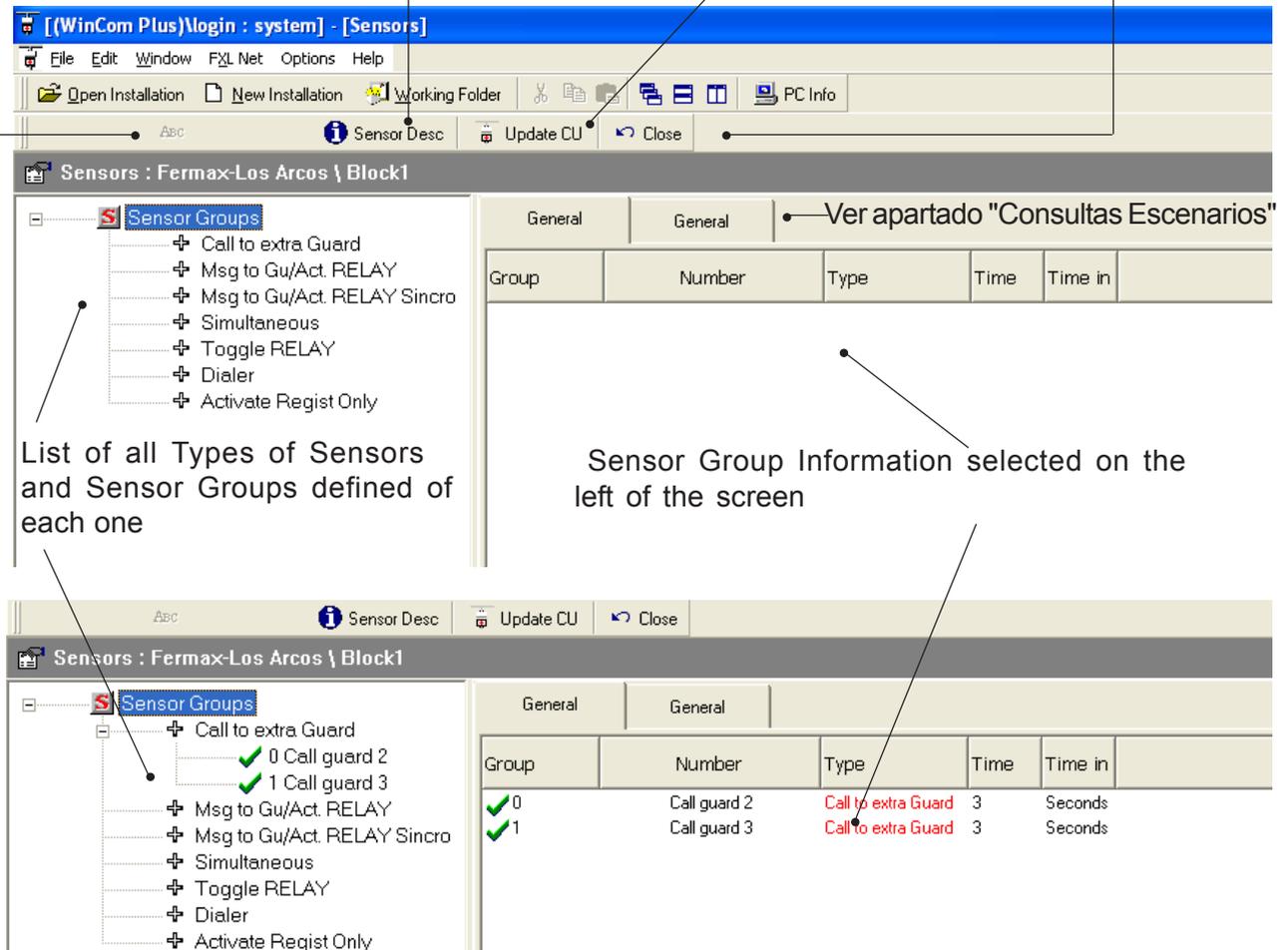
The following screen comes up to let us create new Sensor groups:

Access to creating and editing screen for selected sensor group

To assign a description to all sensors in each group

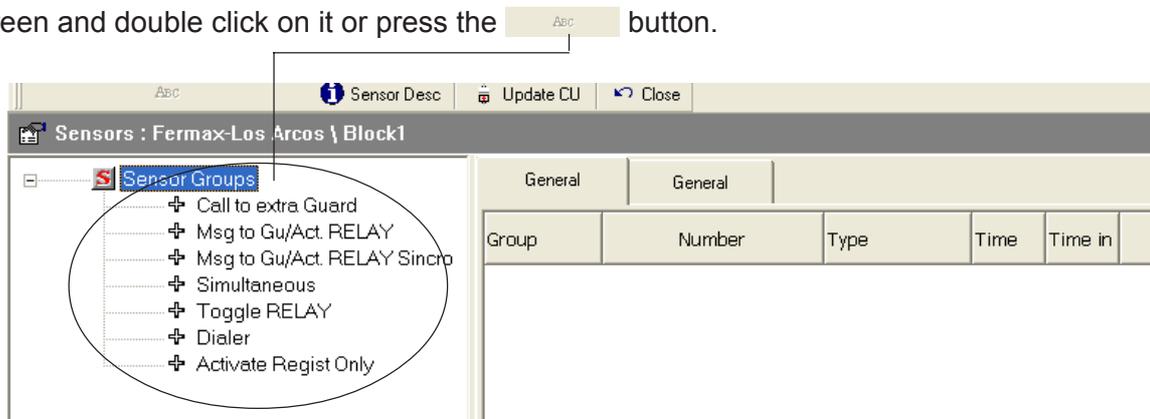
Update sensor data in the Central Unit

Close Sensors Management Screen



Create/Define Sensor Groups

On the Sensors Management Main Screen, select the TYPE of Sensor Group you want to create on the left of the screen and double click on it or press the  button.



The creation window corresponding to the Sensors Group of the TYPE selected comes up (See following sections depending on sensor type).

Each type of sensor contains a series of **parameters** (common and specific) to fill in to be able to create the sensor group corresponding to this TYPE of sensor.

Common Parameters to all TYPES of sensor.

*** Group Number:**

Select Sensor Group Number (from 0 to 9).

This number identifies the sensor group to be used for a specific function. These groups are of 100, so the 0 group corresponds to the sensor numbers from 000 to 099 and are used for the same function, group 1 corresponds to numbers from 100 to 199 and are used for another specific function, and so on.

*** Description:**

A non-functional description (simply a reminder), noting the use assigned to this sensor group.

*** Time:**

Defines the time the sensor must be active in order to generate an alarm signal.

The possible values of this time are:

0 **Instantaneous.** *If the sensor input detects an activity in its input at this time, it will alert you instantly. For operational reasons, it must be activated for 28 milliseconds minimum.*

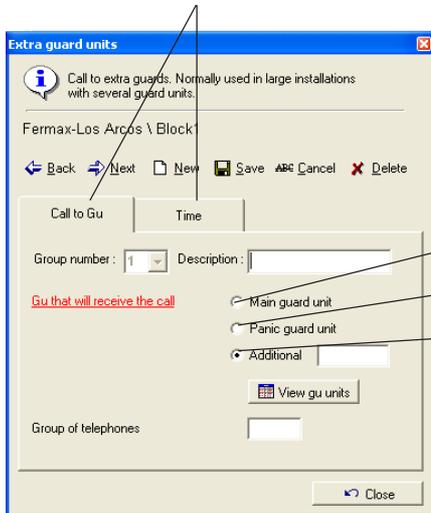
1...255 **Delayed (seconds).** *The sensor must be continuously active during the set time.*

Marking the "minutes" box indicates the value assigned to TIME is in minutes. If this box is not selected, the time will be in seconds.

Details of **other parameters** to fill in and how to **create sensor groups for each type of sensor** are given below.

Call Additional Guard Units (extras). (Type 1)

Select each of the tabs to move through the different data to be filled in:



1st) Click **New** To create a new Sensor Group. Enter the **Number** and **Description** for the Group:

2nd) Select the **Guard unit** to receive the call (See NOTE):

- *Main Guard Unit.*
- *Panic Guard Unit.*
- *Additional guard unit. In this case, indicate in the box the number of the extra guard unit to be called.*

You can view, define and modify the different Additional Guard Units by clicking the **View gu units** button.



Check the number of the additional guard unit from among those existing, or define a new extra guard unit.

To **define a new guard unit**, select the guard unit code from the drop down menu (it must be different from any access), write in the description and click **Save** .

- Press **Cancel** to **cancel** the data edition.
- Select the guard unit and press **Delete** to **delete** a guard unit.
- Press **Close** to **close** the window.

Remark

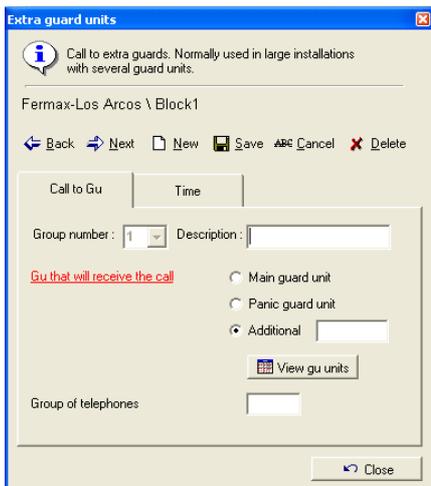


Main Guard Unit, i. e. set by the system in: day, master or mixed mode. It may be in the same central unit as the decoders or in a different central unit, in FXL network installations.

The difference between this type of call and the standard call (pressing the "open door" pushbutton) is that they use different buttons to call the guard units, although these buttons are not installed in the telephone (for example, a button in the kitchen to request some service from the concierge, etc.).

Panic Guard Unit Corresponds to the a guard unit set by system in panic mode: day or master. May be connected in the same central unit as the decoders or in a different central unit to the main guard unit in FXL network installations. The difference between this type of call and the standard version is as explained above.

Additional Guard Units These guard units must be installed in the same central unit as the sensor decoder making the call, and configured as panel 01... 09.



3rd) Enter the **Telephone Group** value:

The possible values are:

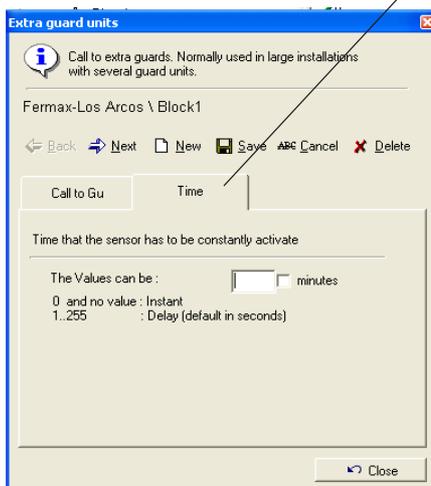
00...99 Defines the telephone group that represents the sensors in this group. These 2 digits (00...99) make up the telephone number along with the last 2 sensor digits. When a guard unit receives a call from a house, they can return the call just by pressing the guard unit "bell" key.

If XX are the last 2 digits of the number of the sensor that generated the call, the guard unit will return the call to telephone number = Telephone Group N° + XX.

9A Means a call from the outdoor panel.

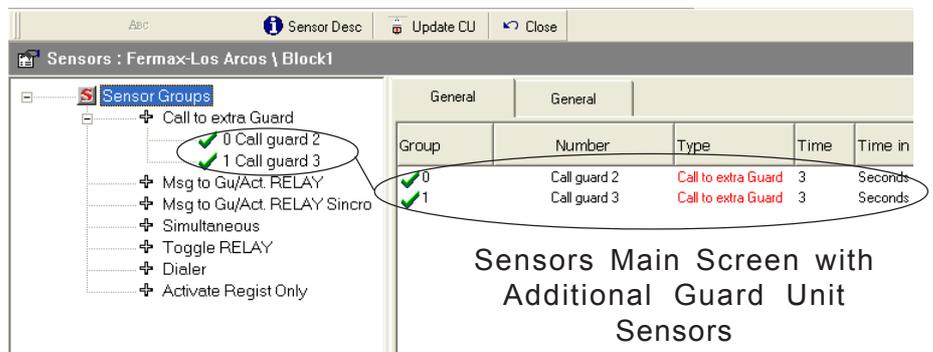
If XY are the last 2 digits if the number of the sensor that made the call, the guard unit will return the call to panel number XY.

4th) Finally, select the **Time** tab and indicate the time the sensor must be active in order to generate the alarm.



Press **Save** to **save** the data and create the Sensor Group.

Press **Close** to **close** the window.



Sensors Main Screen with Additional Guard Unit Sensors

Modify and Delete Additional Guard Units

Access the editing screen for additional guard units.

Use the **Back** **Next** buttons to move between the different guard units (until appears the guard unit to be modified/deleted).

Modify

Access the different data from each tab and make the desired modifications.

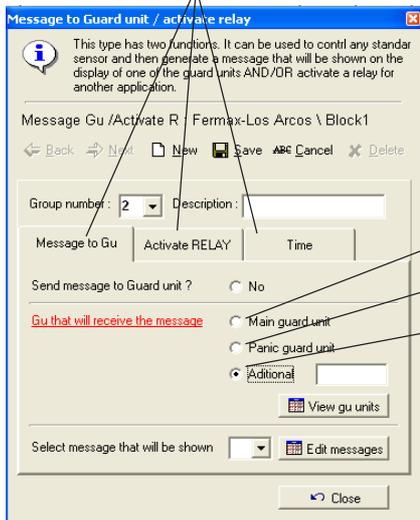
Press **Save** to **save** changes or **Cancel** to **cancel** data edition.

Delete

Press **Delete** to **delete** the selected sensor group.

Send message to guard unit and/or activate a relay (Type 2) and Synchro (Type 9).

Select each tab to move through the different data to fill in:



1st) Press **New** to create a new Sensor Group. Enter the **Number** and **Description** for the Group:

2nd) Select the **Guard Unit** to receive the call (See NOTE)

- *Main Guard Unit*
- *Panic Guard Unit*
- *Additional Guard Unit. In this case, indicate in the box the number of the extra guard unit to be called.*

You can view, define and modify the different Additional Guard Units by clicking **View gu units**.



Check the additional Guard Unit number from the list, or define a new extra guard unit.

To **define a new guard unit**, select the guard unit Code from the drop down menu (must be different from any access), write in the description and click **Save**.

- Press **Cancel** to **cancel** data editing.
- Select the guard unit and click **Delete** to **delete** guard unit.
- Press **Close** to close the window.

Remark



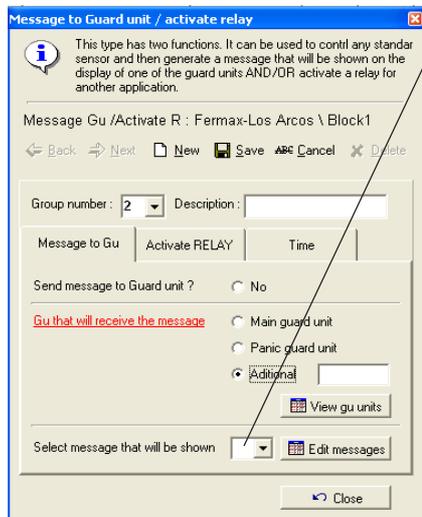
Main Guard Unit, i. e. set by the system in mode: day, master or mixed. It may be in the same central unit as the decoders or in a different central unit, in FXL network installations.

The difference between this type of call and the standard call (pressing the "open door" pushbutton) is that they use different buttons to call the guard units, although these buttons are not installed in the telephone (for example, a button in the kitchen to request some service from the concierge, etc.).

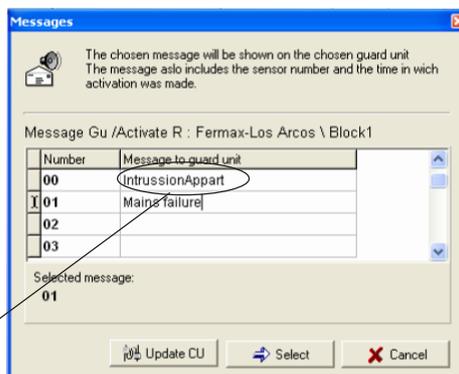
Panic Guard Unit Corresponds to the a guard unit set by system in panic mode: day or master. May be connected in the same central unit as the decoders or in a different central unit to the main guard unit in FXL network installations. The difference between this type of call and the standard version is as explained above.

Additional Guard Units These guard units must be installed in the same central unit as the sensor decoder making the call and configured as panel 01... 09.

3rd) If you want to send a message when the Sensor is activated, **select the Message** from the drop down list, to be shown on the display of the selected guard unit.



You can select, modify or delete the different Messages by clicking the  **Edit messages** button:



To **define a new message** (up to 16 messages), place the cursor over the number of the message to define and write in the Message Text to appear on the guard unit display.

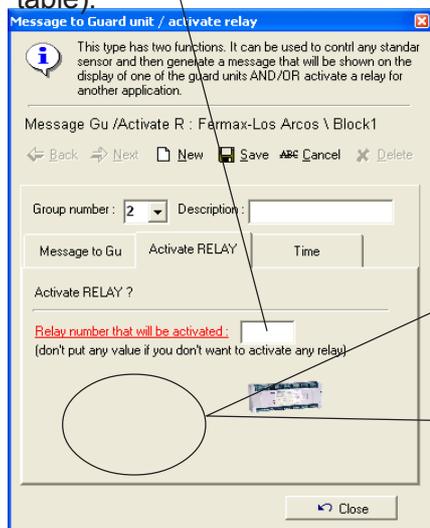
Then click  **Update CU** to **update** the data in the Central Unit.

To **select a message** place the cursor over the message number and click  **Select**. The number of the selected message unit appears in the drop down menu box.



Click  **Cancel** to **close** the window.

4th) If you want a relay to be activated when a Sensor is activated, **select the Activate Relay tab** and enter the number of the relay that has to activate the sensor (this relay must be defined in the relay groups table).



When entering the number of the relay to be activated, an icon is shown (on the lower left of the screen) indicating if the relay selected has been defined in the relay group or not (See Relays Management File>>Create/Define Relay Groups).

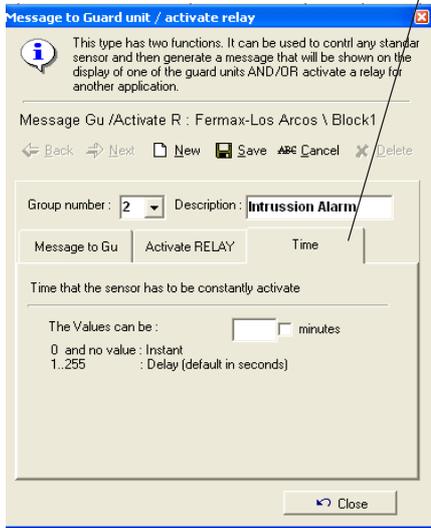


Relay defined



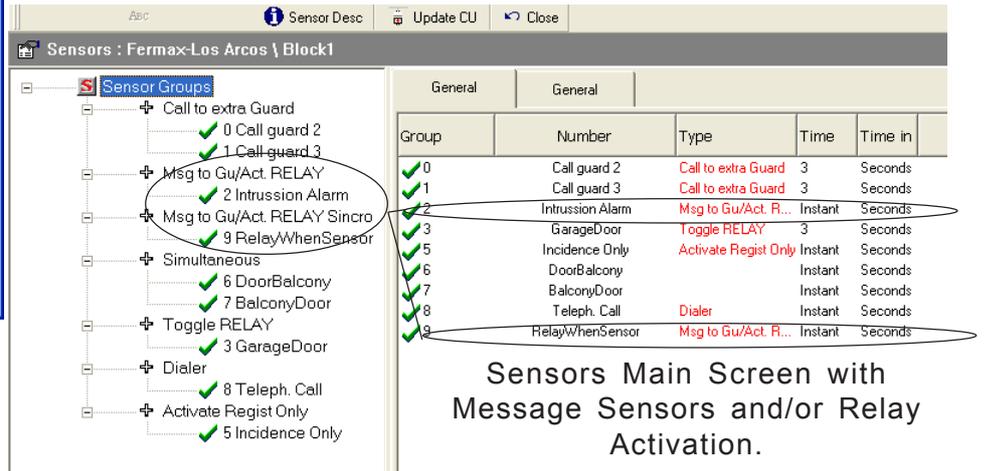
Relay NOT defined

5th) Finally, select the **Time** tab, and indicate the time the sensor has to be activated in order to generate an alarm.



Press **Save** to **save** the data and create the Sensor Group.

Press **Close** to **close** the window.



Sensors Main Screen with Message Sensors and/or Relay Activation.

Modify and Delete Messages/Relay Activation

Access the Send Message to Guard Unit editing screen and/or Relay Activation.

Use the **Back** **Next** buttons to move through the different Sensors (until to reach the sensor to be modified/deleted).

Modify

Access the different data in each tab and make the desired modifications.

Press **Save** to **save** the changes or click **Cancel** to **cancel data edition**.

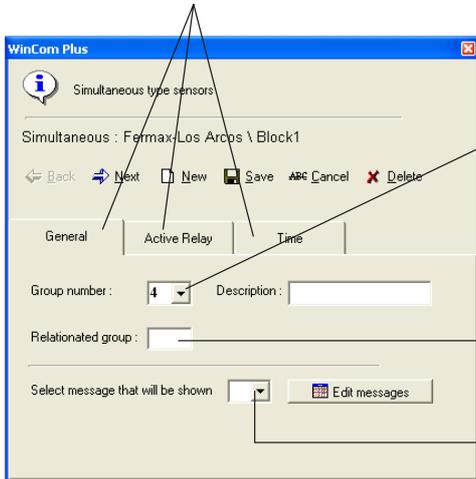
Delete

Press **Delete** to **delete** the selected sensor.

Simultaneous (Type 6)

In this Type, each Sensor defined is paired with its equivalent in another group, so 2 groups of paired sensors must be defined. The alarm is activated when one of them is activated while the others is set two sensors activates the other within the set time.

Select each tab to move through the different data to be filled in:



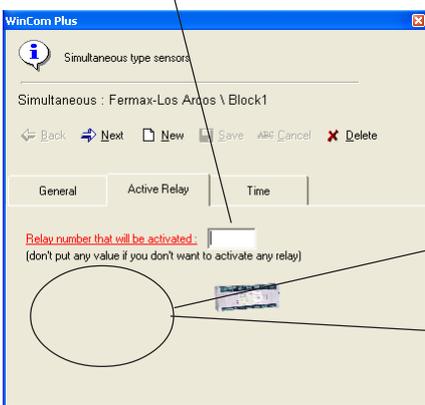
1st) Define First Sensor Group

Press **New** to create a new Sensor Group. **Select the Group Number** of the sensor (example: 7) from the list (must not coincide with any sensor group of another Type created previously) and **write in the description**.

Now **indicate the Number of the Related Sensor Group** (example:6).

2nd) Select the Message (See NOTE) from the drop down menu to be shown on the display of the main guard unit.

3rd) If you want a relay to be activated when the Sensor is activated, **select the Activate Relay tab** and enter the number of the relay to be activated by the sensor (this relay must be defined in the relay groups table).



Enter the number of the relay to be activated and an icon is shown (on the lower left of the screen) indicating if the relay selected has been defined in the relay group or not (See Relays Management File>>Create/Define Relay Groups):



Relay defined

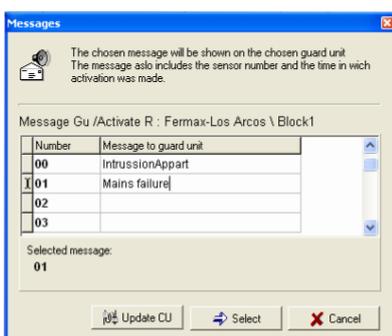


Relay NOT defined

Remark

As a different message can be defined in each group, the one defined in the lowest group is used to report the anomaly (both sensors active) and the highest one to report the end of the situation. The relay must coincide in the definition of both sensors.

You can select, edit and modify the different Messages by clicking the **Edit messages** button:



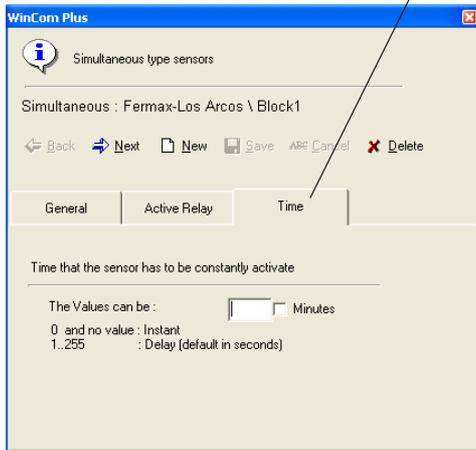
To **define a new message** (up to 16 messages), place the cursor over the message to define and write in the Message Text to appear on the guard unit display.

Now click **Update CU** to **update** the data in the Central Unit.

To **select a message**, place the cursor over the message number and click **Select**. The number of the selected message appears in the drop down menu window.

Click **Cancel** to **close** the window.

4th) Finally, select the **Time** tab and indicate the time that the sensor must be active in order to generate an alarm.



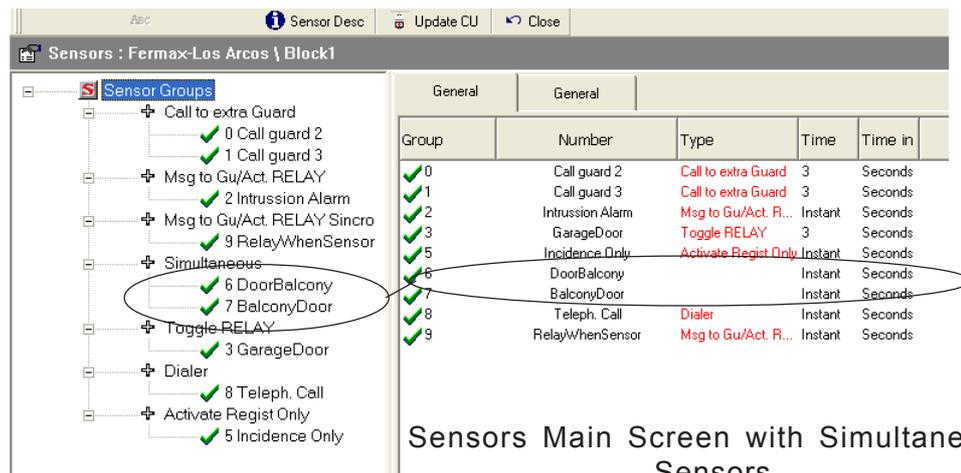
Press **Save** to **save** data and create the Sensor Group.

5th) Define Second Sensor Group

Click **New** again to create the new (Related) Sensor Group. **Select the Group Number** of the sensor indicated previously as Related (example:6) from the list (must not coincide with any sensor group of another Type created previously) and **write in the description**.

Now **indicate the Number of the Related Sensor Group** (example: related with the group defined previously, in this example:7).

Next, **select the Message** (See NOTE on previous page) from the drop down menu to be shown on the main guard unit display and **enter the rest of the data from the different tabs, just as in steps 2 to 5**.



Example:

Group	Related	Relay	Message	Time
6	7	OFF	01	10 (delayed 10 sec.)
7	6	OFF	02	0 (instant)

The sensors in groups 6 and 7 combine for synchronous operation. If you activate sensor 625 the incident is registered; if you then activate 725, it is also registered, relay 025 is activated and message 01 is sent (from the smallest group) to the default guard unit. If either of the two are then deactivated, relay 025 is deactivated and message 02 is sent (from the largest group) to the default guard unit.

Modify and Delete Simultaneous Sensors

Access the Simultaneous editing screen.

Use the **Back** **Next** buttons to move through the different Sensors (until you reach the sensor group to be modified/deleted).

Modify

Access the different data from each tab and make the desired modifications.

Click **Save** to **save** changes or **Cancel** to **cancel** data editing.

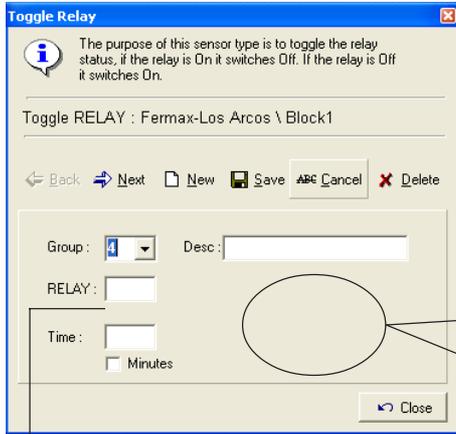
Delete

Click **Delete** to **delete** the selected sensor.

Toggle Relay (Type 7)

1st) Press  **New** to create a new Sensor Group.

Enter the **Number** and **Description** for the Group.



2nd) Enter the **number of the relay** you want to switch when the sensor is activated.

When the number of the relay to be activated is entered, an icon is shown (on the lower right of the screen) indicating if the relay selected has been defined in the relay group or not (See Relays Management File>>Create/Define Relay Groups):



Relay defined



Relay NOT defined

If the selected Relay is defined and at the same time being used by another component of the installation, (a sensor, access ...), the word **USED** appears below the RELAY box as a warning.

3rd) Finally, indicate the **TIME** that the sensor must be active in order to generate the alarm.

Click  **Save** to **save the data and create the Sensor Group**.

Click  **Close** to **close the window**.

Group	Number	Type	Time	Time in
0	Call guard 2	Call to extra Guard	3	Seconds
1	Call guard 3	Call to extra Guard	3	Seconds
2	Intrusion Alarm	Msg to Gu/Act. R...	Instant	Seconds
3	GarageDoor	Toggle RELAY	3	Seconds
5	Incidence Only	Activate Regist Only	Instant	Seconds
6	DoorBalcony		Instant	Seconds
7	BalconyDoor		Instant	Seconds
8	Teleph. Call	Dialer	Instant	Seconds
9	RelayWhenSensor	Msg to Gu/Act. R...	Instant	Seconds

Sensors Main Screen with Switch Relay Sensors

Modify and Delete Toggle Relay

Access the Toggle Relay editing screen.

Use the  **Back**  **Next** buttons to move through the different Sensors (to the sensor to be modified/deleted).

Modify

Access the different data and make the desired modifications.

Click  **Save** to **save changes** or  **Cancel** to **cancel** data editing.

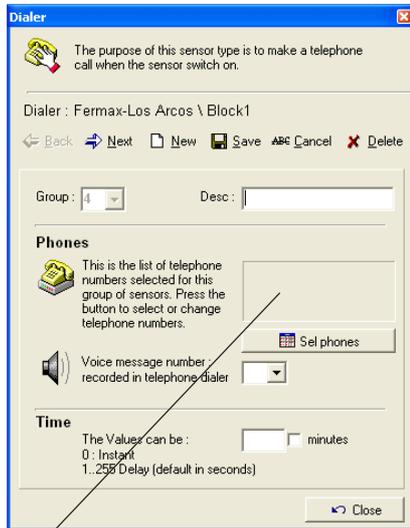
Delete

Click  **Delete** to **delete** the selected sensor.

Dialler (Type 4)

1st) Click  **New** to create a new Sensor Group.

Enter the **Number** and **Description** for the Group.



2nd) Select the **group of telephone numbers** the call will be made to when the sensor is activated.

Click on  **Sel phones**. The following screen comes up, where you can select, modify, delete or create telephone groups:



To **define a new telephone group** (up to 3), fill in the "Telephone 1/2/3" fields with the desired telephone numbers. The device will try to call telephone 1 first, then 2 if it fails and 3 if the second call fails.

Now press  **Update CU** to **update** the data in the Central Unit.

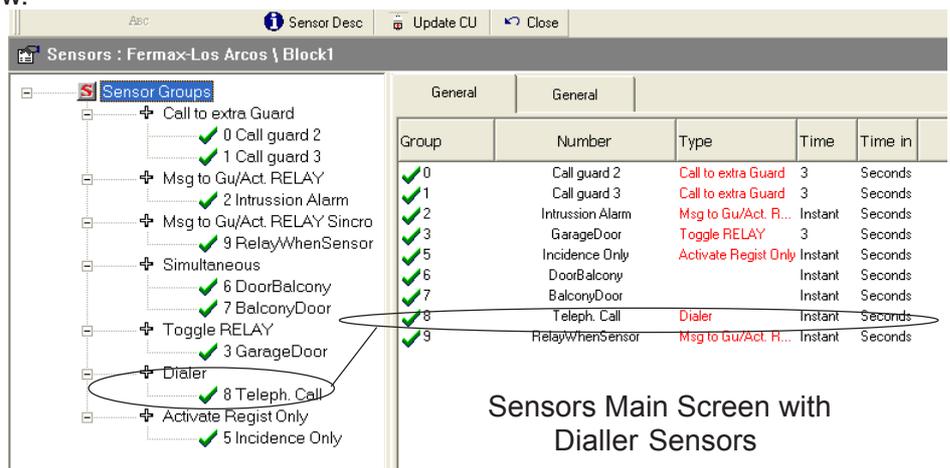
To **select a telephone group**, place the cursor over the group number and click  **Select**. The telephone numbers corresponding to the selected group appear in the grey box.

Click  **Cancel** to **close** the window.

3rd) Finally, indicate the **Time** the sensor must be active in order to generate the alarm.

Click  **Save** to **save** the data and create the Sensor Group.

Click  **Close** to **close** the window.



Sensors Main Screen with Dialler Sensors

Modify and Delete Dialler

Access the Dialler editing screen.

Use the Back Next buttons to move through the different Sensors (to the sensor to be modified/deleted).

Modify

Access the different data and make the desired modifications.

Click Save to **save** the changes or Cancel to **cancel** data editing.

Delete

Press Delete to **delete** the selected sensor.

Incidents Register Only (Type 5)

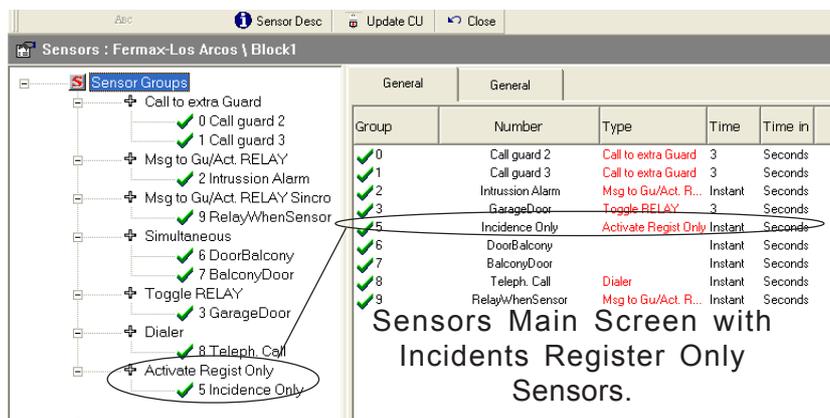
1st) Enter the **Number** and **Description** for the Group.



2nd) Finally, indicate the **Time** the sensor must be active in order to generate the alarm.

Click Save to **save** the data and create the Sensor Group.

Press Close to **close** the window.



Modify and Delete Incidents Register Only

Access the Incidents Register Only editing screen.

Use the Back Next buttons to move through the different Sensors (to the sensor to be modified/deleted).

Modify

Access the different data and make the desired modifications.

Click Save to **save** the changes or Cancel to **cancel** data editing.

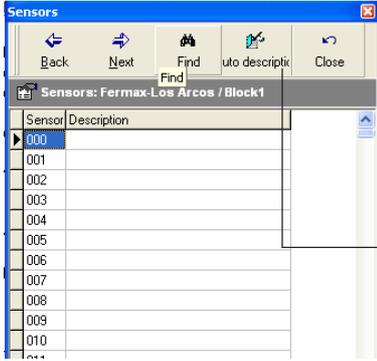
Delete

Press Delete to **delete** the selected sensor.

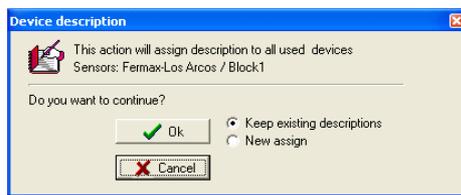
Description of Sensor Outputs used

As well as the Sensor Group description, you can enter (optionally) a new description for each sensor output (positions) making up each group by clicking the  button. The following screen comes up:

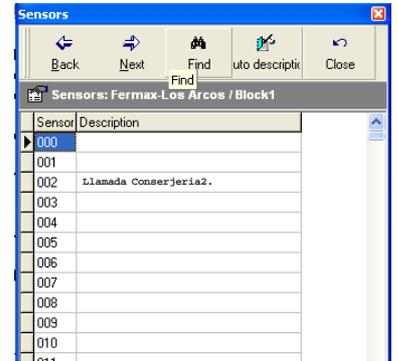
Enter the description for the sensor outputs and click .



The  option lets you add a description automatically of each of the sensor outputs used (in the scheduler ...), indicating what the sensor is being used for.



Click OK to run autodescription



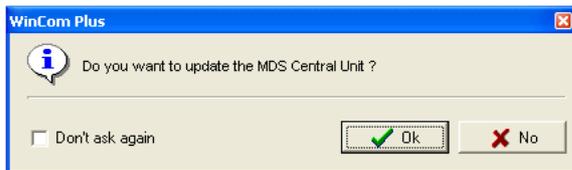
 Lets you carry out a sensor search by description.

 Lets you move between the sensor outputs used.

Updating Sensor Data

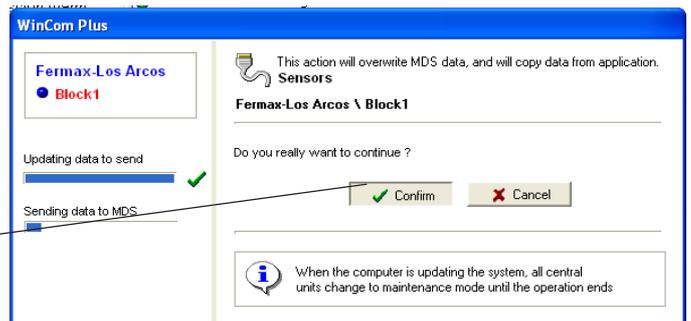
Once the sensor groups are defined, or each time modifications are made to any of them, the data must be updated in the Central Unit.

Click  to update the data. The following screen comes up:



Press  to update the Relays data in the Central Unit of the installation.

Click Confirm



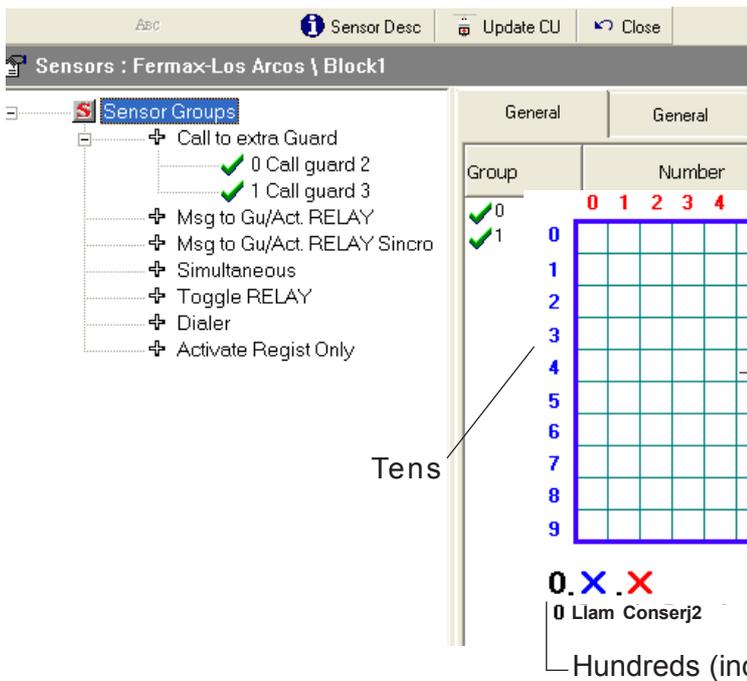
Sensors Check

We can check which Sensor outputs in each group are being used in the installation by the different components.

Click on the Sensor Group on the Sensors main screen that you wish to check up on.

Group	Number	Type	Time	Time in
✓0	Call guard 2	Call to extra Guard	3	Seconds
✓1	Call guard 3	Call to extra Guard	3	Seconds
✓2	Intrusion Alarm	Msg to Gu/Act. R...	Instant	Seconds
✓3	GarageDoor	Toggle RELAY	3	Seconds
✓5	Incidence Only	Activate Regist Only	Instant	Seconds
✓6	DoorBalcony		Instant	Seconds
✓7	BalconyDoor		Instant	Seconds
✓8	Teleph. Call	Dialer	Instant	Seconds
✓9	RelavWhenSensor	Msa to Gu/Act. R...	Instant	Seconds

The following graph appears on the right of the Sensors Main Screen, corresponding to the selected sensor group:



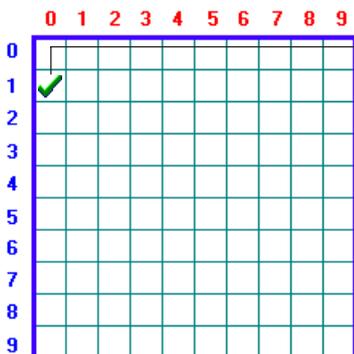
Each cell of the graph corresponds to one of the sensors making up the group (Group 0 in this case).

Units
Sensor: 018
Sensor: 045
Sensor: 099

0.X.X

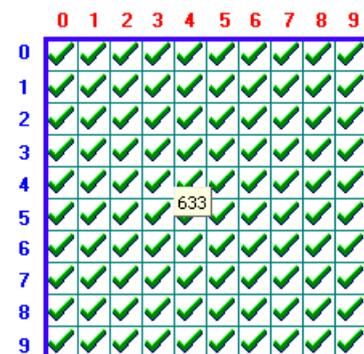
Hundreds (indicates sensor group also)

With these graphs we can see which sensor outputs are being used, or have been assigned to some installation component (planner ...). The box corresponding to these sensors is marked with the ✓ symbol:



Sensor output 010 of "Sensor Group 0" is assigned to or being used by an installation component.

All the Sensor outputs in "Sensor Group 6" are assigned to or being used by component/s in the installation.

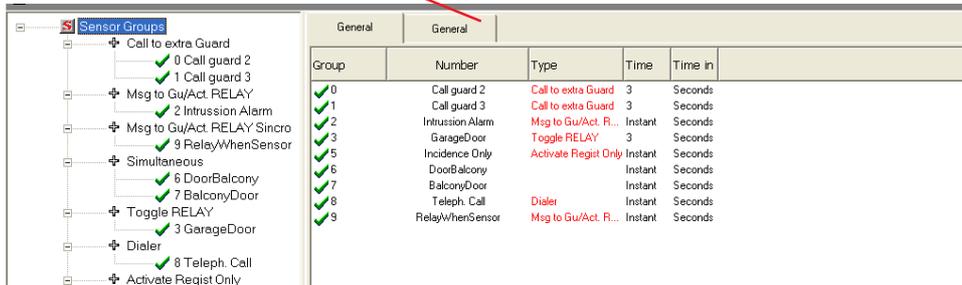


6.X.X

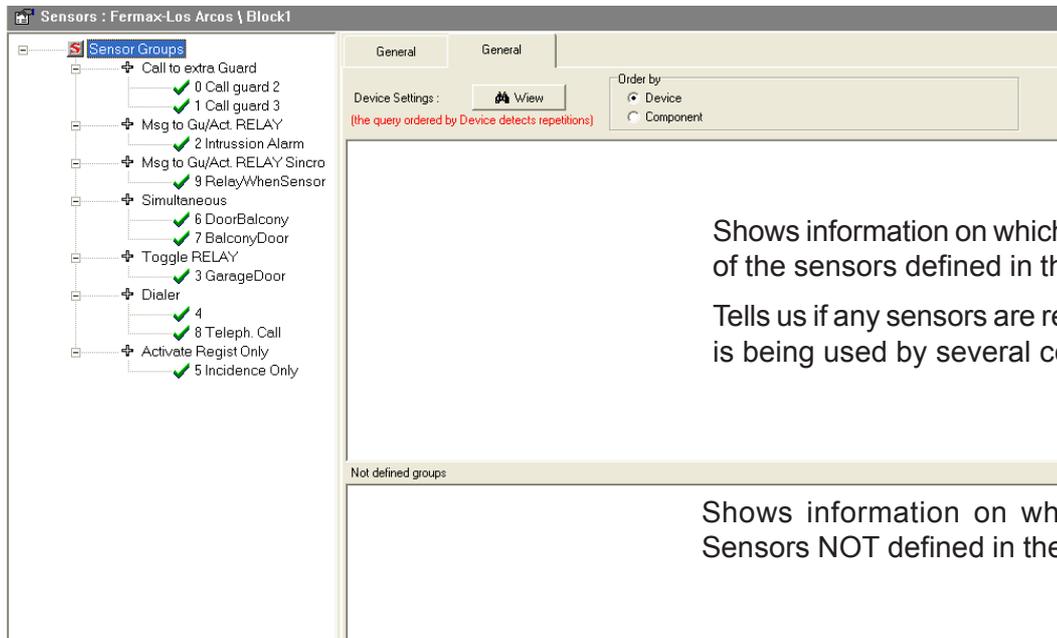
Settings

We can check which component in the installation (scheduler ..) is using a particular sensor output, and the correspondence between them.

Click on the "Settings" tab visible on the right of the Sensors main screen.



This screen come up:

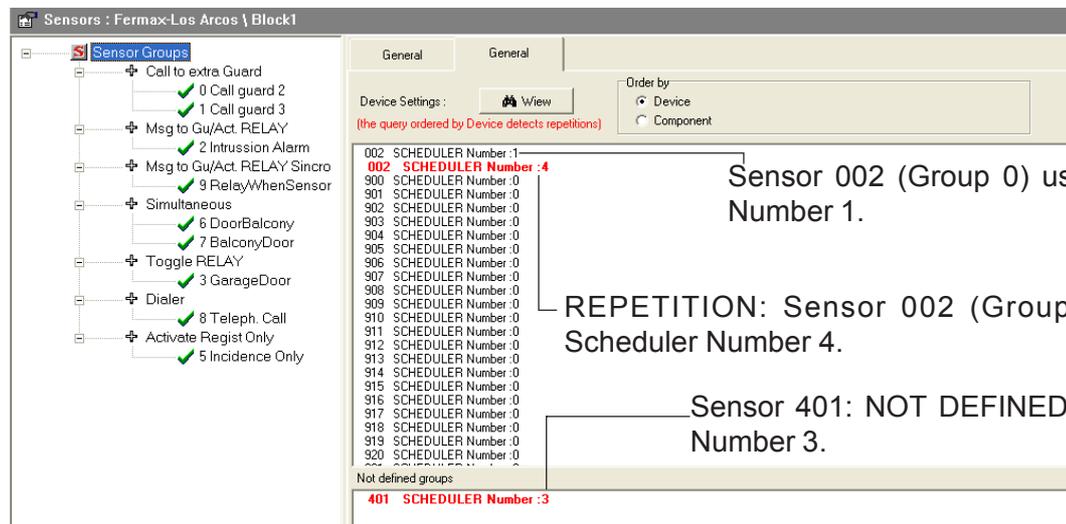


Shows information on which component is using one of the sensors defined in the installation.

Tells us if any sensors are repeated, i. e. if the sensor is being used by several components.

Shows information on which component uses Sensors NOT defined in the installation.

Press to run the scenarios check:



Sensor 002 (Group 0) used by Scheduler Number 1.

REPETITION: Sensor 002 (Group 0) used by Scheduler Number 4.

Sensor 401: NOT DEFINED used by Scheduler Number 3.

Scheduler File (automation)

Lets you define an activities scheduler for relays and sensors.

You can define up to 32 plans (00...31) for which a relay or sensor is defined (or groups of sensors), where you can define:

- **Relay Activation/Decativation.**
- **Arm/Disarm a Sensor (or sensor group).**

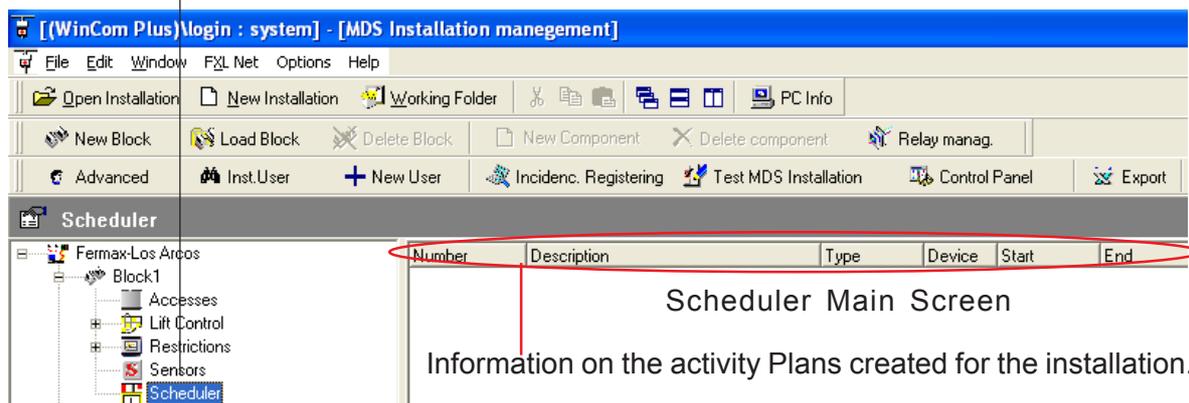
In each activities plan, the start and finish time is defined and the days of the week on which you wish to set the plan ... This is useful, for example, to activate lighting at night, heating, disarming sensors during working hours, etc.

It is possible to make reference to the same device in different plans.

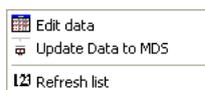
The central unit reviews the scheduler table every minute and checks whether any plans have to be implemented.

Scheduler Screen

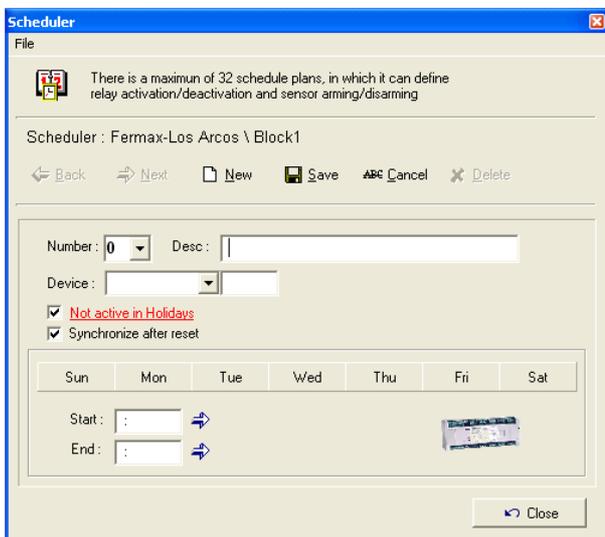
Click on "Scheduler" on the left of the screen. On the right (Scheduler Main Screen) appears information on the plans defined in the installation (if there are any):



Double click on the Sheduler Main Screen or click the right mouse button and select the "Edit data" option from the pop-up menu:



The following screen comes up to let us create new activity Plans (automation):



Press to create a new automation Plan.

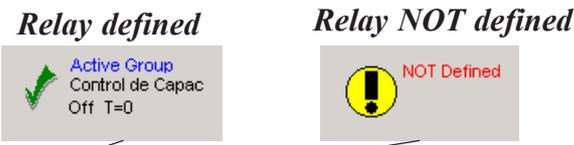
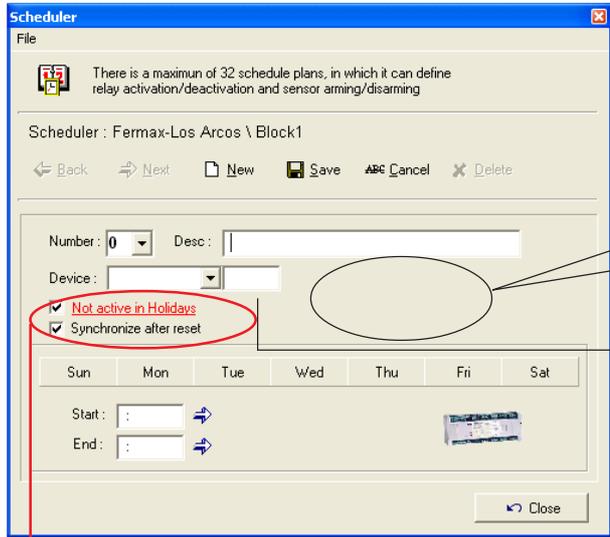
1º) Select the **Number** (from 00 to 31) and the **Description** that identifies that Plan.

2º) Select the **type of device** you want to automate from the drop down list: Device :

and enter the corresponding relay or sensor number (or group of sensors).

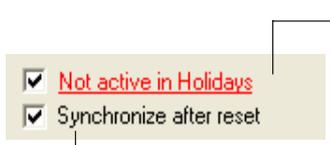
The relays numbers will be chosen from the Relay Group defined previously in the Relays Table, (See Relays Management File) as TIME = 0, depending on the initial STATUS of the relays.

When the number of the relay to be automated is entered, an icon is shown indicating if the relay selected has been defined in the relay group or not (See Relays Management File>>Create/Define Relay Groups):



If the selected Relay is defined and at the same time is being used by another component in the installation (a sensor, an access ...), the word USED appears in the RELAY box as a warning.

3º) Activate or deactivate the **Scheduler Options** by clicking on the corresponding box:



"Deactivate in Holidays", the scheduling (automation) defined/Created will not run during the defined vacation period (See Vacation File).
You can access the Holidays screen directly, by clicking on the **"Deactivate in Vacations"** text (in red).

"Synchronise after reset". If a Central Unit reset occurs, the plans that had to run during the period when the central unit was not operative will be activated when normal function is resumed.

4º) Select the weekdays during which the plan will be implemented.

Click with the mouse on the desired days (the day box turns blue, indicating that the day has been selected).



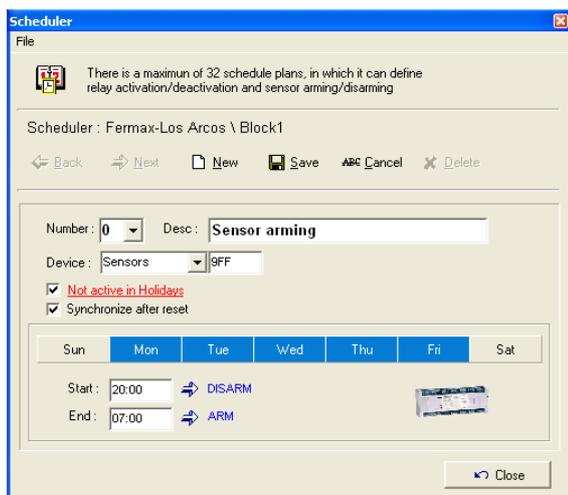
5º) Enter the **Start Time** for a particular activity and **End Time**.

Start Time indicates the hour and minutes when an activity takes place (24 hour HH:MM format). Sensors are disarmed. In relays, the action depends on the STATUS, defined in the RELAYS Table.

- Sensors: Disarmed
- Relays: If initial state, STATUS = 1, then the action is Deactivate.
If initial state, STATUS = 0, then the action is Activate.

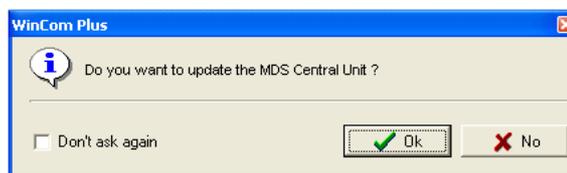
End Time indicates the hour and minutes when an activity takes place (24 hour HH:MM format). Sensors are armed. In relays, the action depends on the STATUS, defined in the RELAYS Table.

- Sensors: Armed
- Relays: If initial state, STATUS = 1, then the action is Activate.
If initial state, STATUS = 0, then the action is Deactivate.

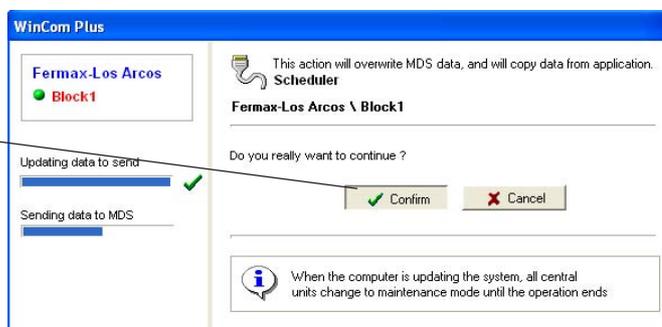


Click **Save** to **save** the data and create the Plan.

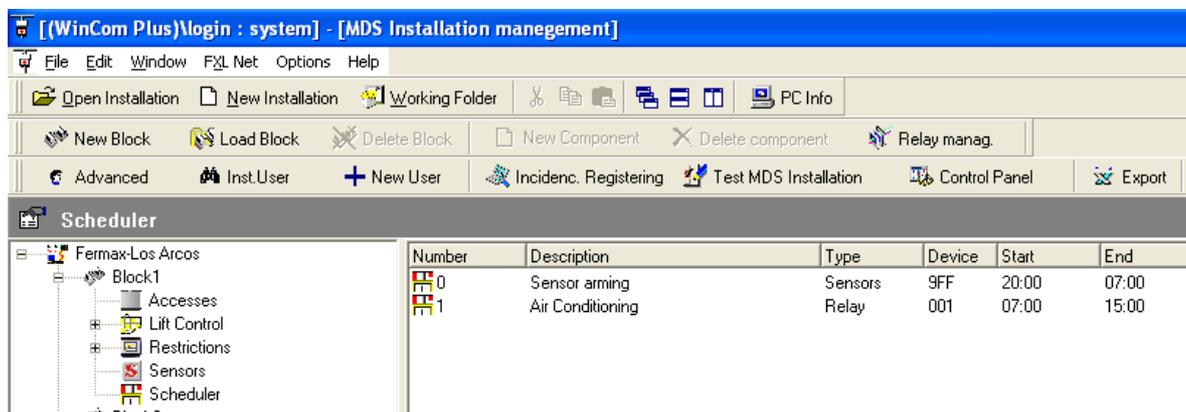
Press **Close** to **close** the window. This screen comes up:



Press to update the Relay data in the Central Unit of the installation.



Press **Confirm**



Modify and Delete Scheduler Plans (automation)

Access the Scheduler editing screen.

Use the **Back** **Next** buttons to move between the different Plans (until you reach the plan to be modified/ deleted).

Modify

Access the different data and make the desired modifications.

Click **Save** to **save** the changes or **Cancel** to **cancel** data edition.

Delete

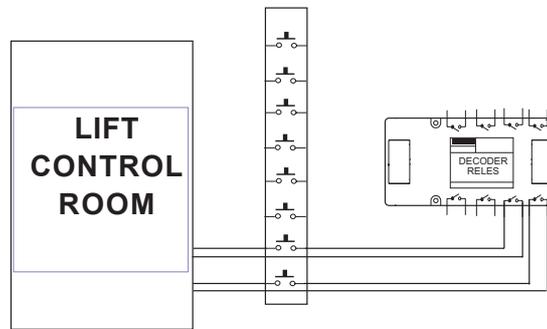
Click **Delete** to **delete** the selected plan.

Lift Control File

In an MDS-DC system, for security reasons, it is possible to restrict use of the lift for visitors and residents. The restriction level defined for the residents is different to that defined for visitors: visitors can only access the floor corresponding to the dwelling that has opened the door to them, while the residents may access their own floor as well as (optionally) another 5 floors (for example: garage, gym, club, etc.).

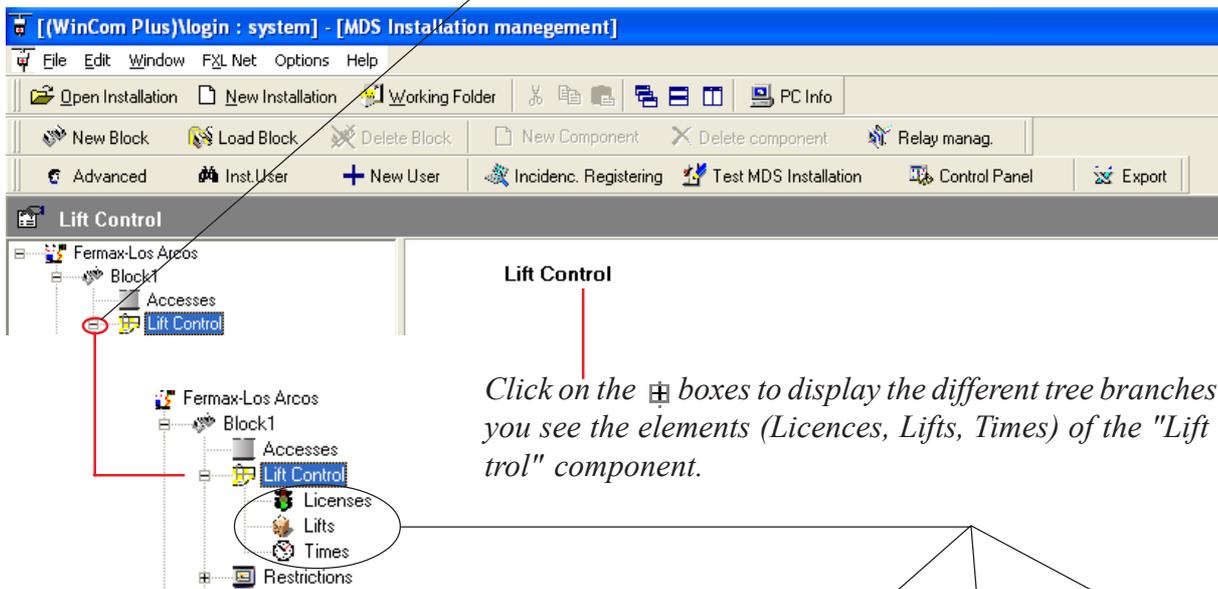
To do all this, the system uses some of its relays to disable the lift buttons. When a visitor is given access to a floor, by opening the door from the phone handset button of the dwelling called, the relay will enable the corresponding button for this floor for a preset time (1, 2, 3 or 4 minutes). After this, the button is disabled again.

For residents, when one of them presents their user device at the corresponding access control, usually located near the lift door, (lift control is not possible via the keypad), the system activates the relays that enable the corresponding button of their floor and the additional floors they have access to. After a preset time, (from 1 to 20 seconds), the buttons are disabled again.



Lift Control Screen

To access Lift Control, select the "Lift Control" component on the left of the main screen and click on the  box to display the tree and view the elements:



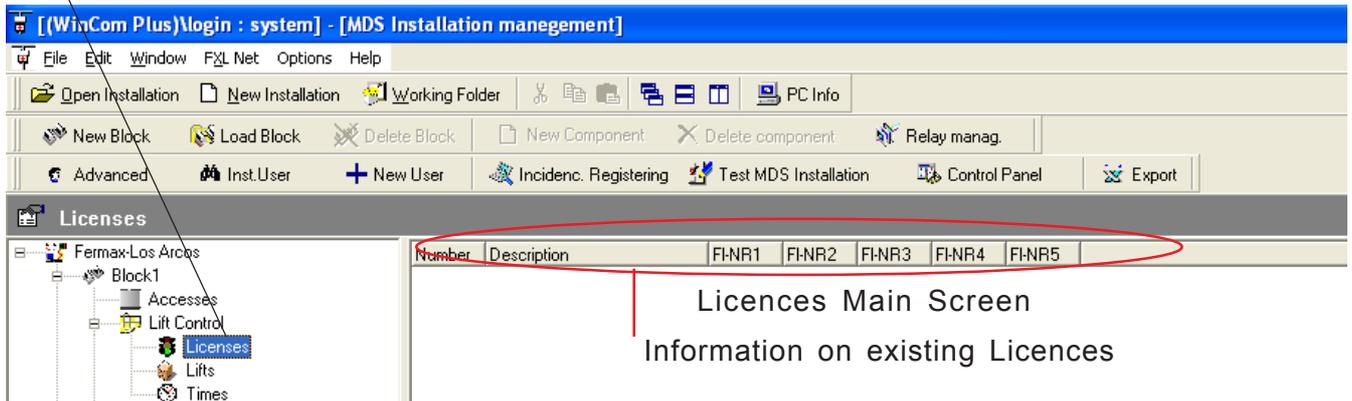
Click on the  boxes to display the different tree branches until you see the elements (Licences, Lifts, Times) of the "Lift Control" component.

To create a Lift Control, it is necessary to define/create "Licences", "Lifts" and "Times". Click on each element to access the screens that let you create the Lift Control.

Create/Define Licences

The floors the users may access (up to a maximum of 5) are defined in each Licence . Each user is assigned (or not) a Licence to give him access to the floors defined, as well as their own floor. (See Users File>>Lift Control).

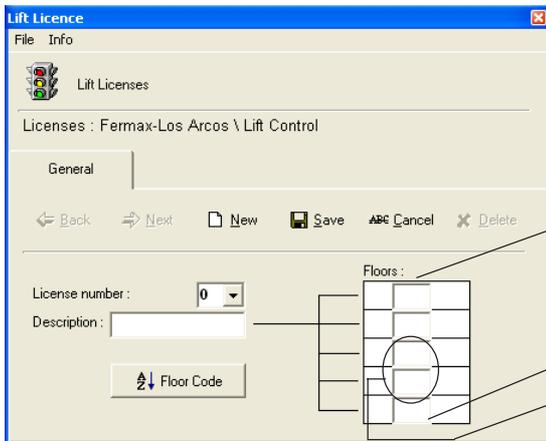
Click on "Licences" on the left of the screen. Information about existing Licences (if there are any) appears on the right (Licences Main Screen):



Double click on Licences main screen or right click the mouse and select the "Edit data" option from the pop-up menu:



This screen comes up:



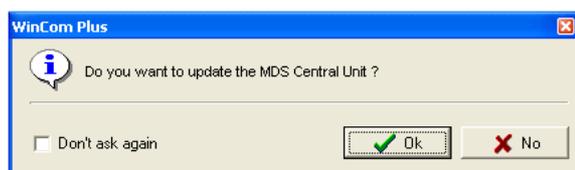
Click **New** to create a new Licence (up to 15 licences). Select the **Number** (from 00 to 14) and **Description** of the new Licence from the drop down list.

*** Floors:**

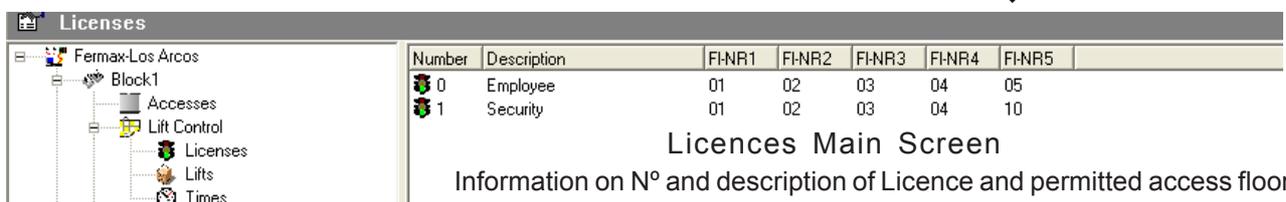
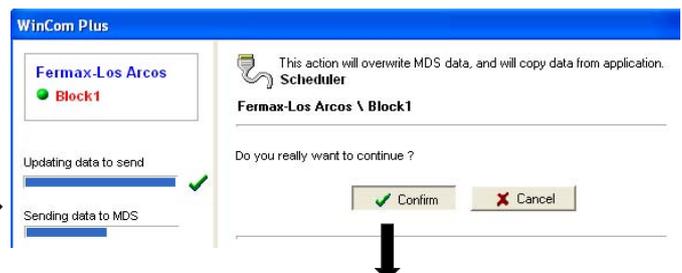
- Enter, in the boxes, the additional floors (up to 5) the users have permission to access . (i.e. 1,2,5,7,8).
- It is also possible to introduce a **range of floor numbers** (max 100). For this, introduce on the first field the digits : 3C, and in the 2nd and 3rd fields, define the start and end of the floors range. (i.e. 3C,1,24)

Press **Save** to save the Licence.

This data updating screen appears:



Press **Ok** to update the Licences data in the installation Central Unit.

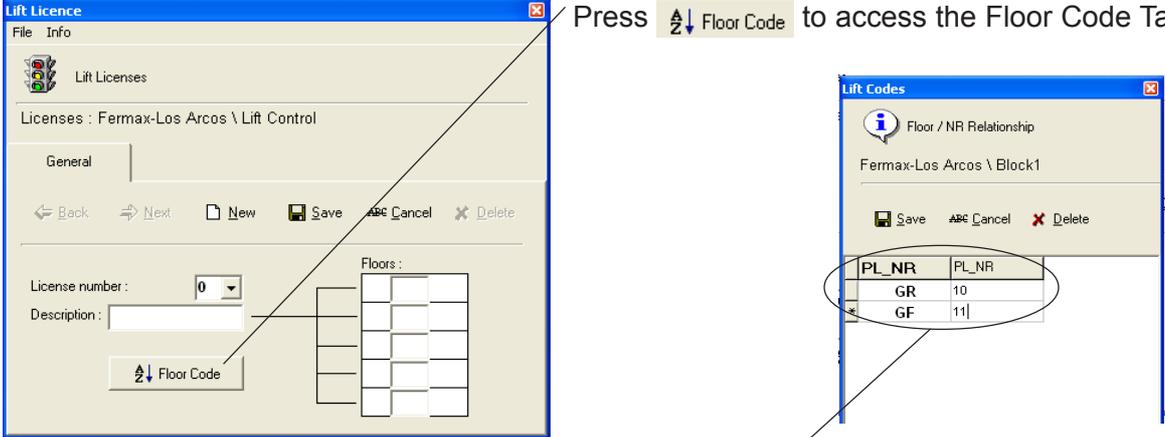


Floor Codes

This Table lets us define the floors we want with letters instead of numbers (e. g: GF = Ground Floor, Gr = Garage, etc...).

These floors are generic for all Licences.

Press  to access the Floor Code Table:



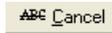
The screenshot shows the 'Lift Licence' window with a 'Floor Code' button. Pressing it opens the 'Lift Codes' window, which displays a table of floor codes:

PL_NR	PL_NR
GR	10
GF	11

Enter the characters representing the floor and the number (two digits) related with these characters (up to a total of 10 codes).

These characters are represented in the FLOOR box of the Users File. (See Users File).

Press  to **save** the Floors Code Table.

Click  to **cancel** data editing.

Click  to **delete** the selected code.

Press the  icon on the upper right of the screen to close the window.

The data updating screen appears.

Take the same steps as in the previous page to update the data in the Central Unit.

Modify and Delete Licences

Access the Licences Screen.

Use the   buttons to move between the different Licences (until the Licence to be modified/ deleted).

Modify

Access the different data and make the desired modifications.

Press  to **save** changes or  to **cancel** data editing.

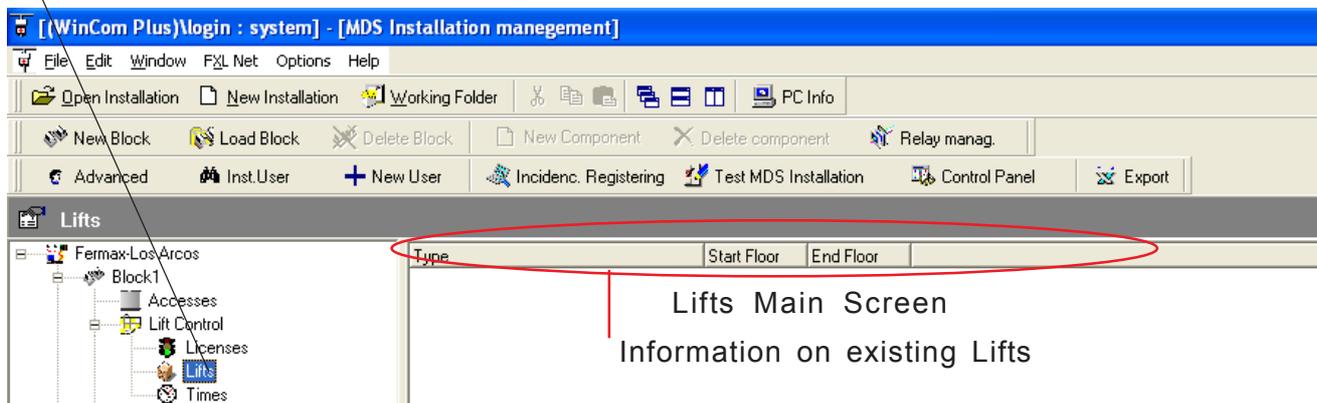
Delete

Press  to **delete** the selected Licence.

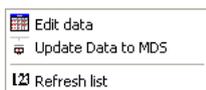
Create/Define Lifts

Lets you define the lifts in the installation and associate them with the accesses that let us implement Lift Control.

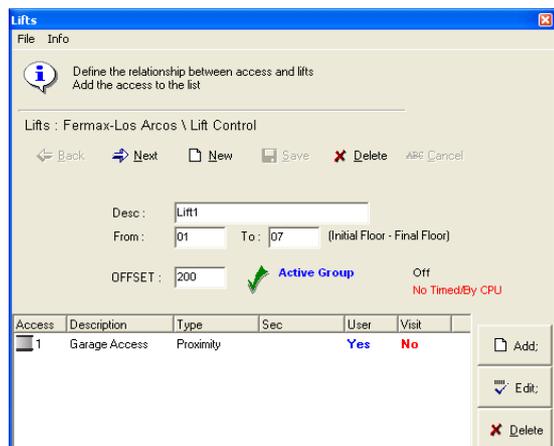
Click on "Lifts" on the left of the screen. On the right (Lifts Main Screen) appears information about the Lifts (if there are any):



Double click on the Lifts Main Screen or right click the mouse and select the "Edit Data" option from the pop-up menu:



This screen comes up:



Click **New** to define a Lift.

Enter the following data:

- * **Desc:** Enter a description for the Lift.
- * **From - To:**
Enter the first and final floors the Lift will reach.
- * **OFFSET:**
The number of the relay used to enable each Lift button corresponds to the sum of:

$$\text{RELAY NUMBER} = \text{OFFSET} + \text{FLOOR NUMBER}$$

(FLOOR NUMBER: 2 numerical digits that mean the button of the floor enabled by the relay).

The relay number is taken from a group of relays already defined in the RELAYS table for this purpose, with TIME = 0.

When defining an OFFSET, an icon appears indicating if the relay group associated with said offset has been defined or not:

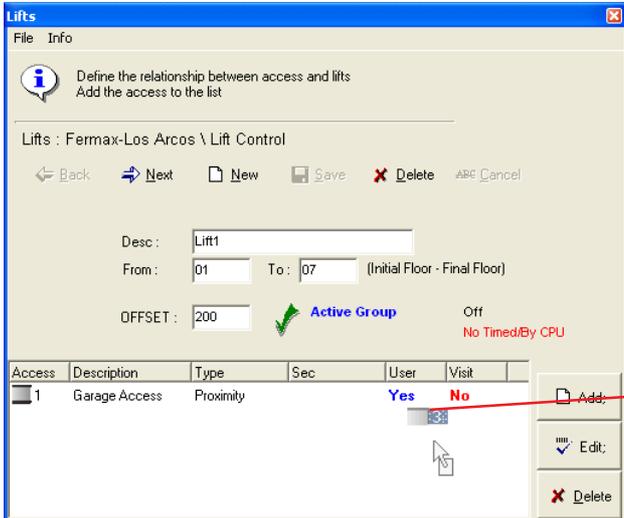


Example:

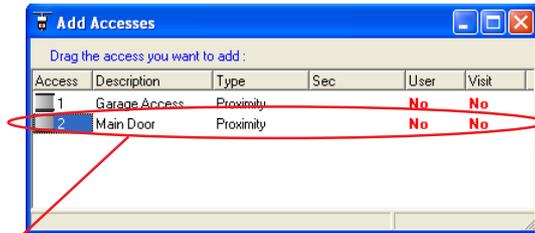
- * The lift can be accessed from the main entrance panel and from another at the garage. Both accesses will be programmed with the same OFFSET.
- * If we define OFFSET = 200 for a given access, it means that relay number 201 should enable the button for floor 01, relay 202 should enable the button for floor 02, and so on. In addition, in the RELAYS table we can define the 2XX relays for activation of the lift we are to reach from this access.

*** Add and Define Accesses**

Add the "Accesses to the Installation" that allow access to Lifts and enable the corresponding Lift Control.

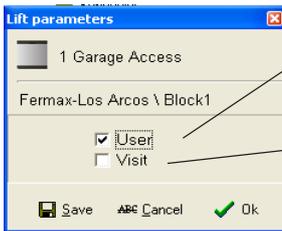


Press **Add**. The following screen appears with the accesses defined in the installation (See Accesses File):



Click on the access to be added and drag it to the lower window of the Lifts Screen.

Now press **Edit**. This screen comes up:



Users: Activate this box if you want this access to provide Lift Control for the system Users (residents).

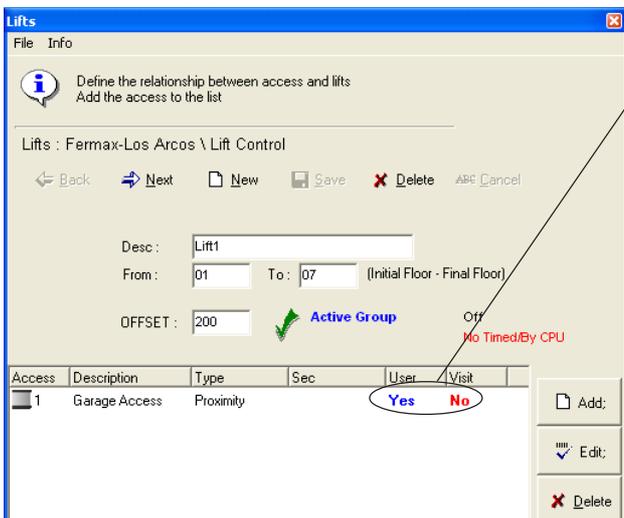
Visitors: Activate this box if you want the access to provide Lift Control for visitors.

Tick the desired box, or tick both to enable Lift Control for users and visitors.

Press **Save** to **Save** or **Cancel** to **Cancel**.

Press **Ok** to **Close** the window.

All the information appears in the Lifts Screen window:



Lift Control enabled for Users in access 3.

To add more accesses, click **Add** again.

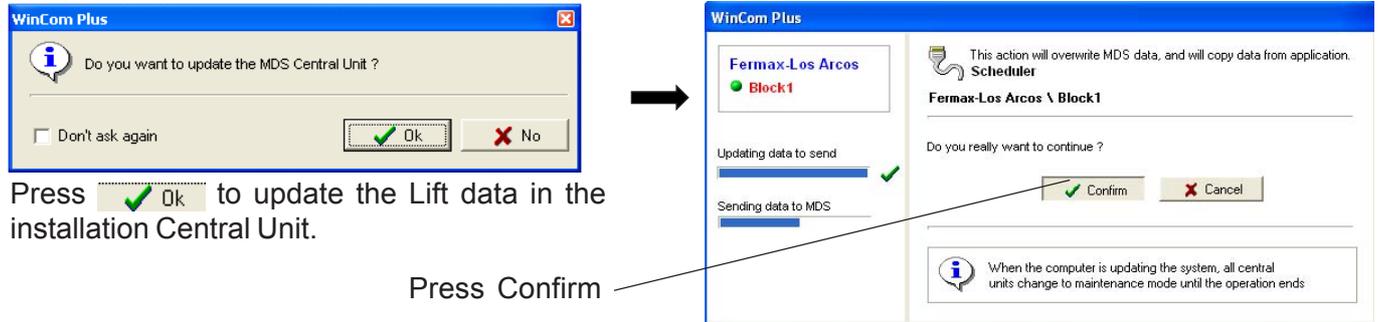
To access the data on an access, select the corresponding access and click **Edit**.

Press **Delete** to delete the access from the Lifts Screen window.

Press **Save** to save the Lift.

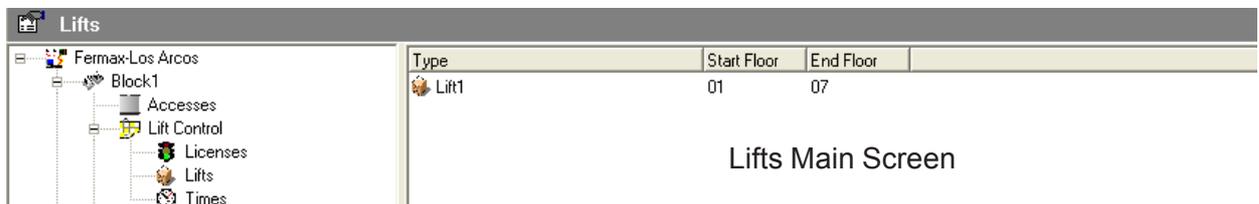
Click the  icon on the upper right of the window to close the Lifts screen.

The data updating screen appears:



Press  to update the Lift data in the installation Central Unit.

Press Confirm



Lifts Main Screen

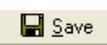
Modify and Delete Lifts

Access the Lifts Screen.

Use the  **Back**  **Next** buttons to move between the different Lifts (until you reach the Lift to be modified/ deleted).

Modify

Access the different data and make the desired modifications.

Press  **Save** to **save** the changes or  **Cancel** to **cancel** data editing.

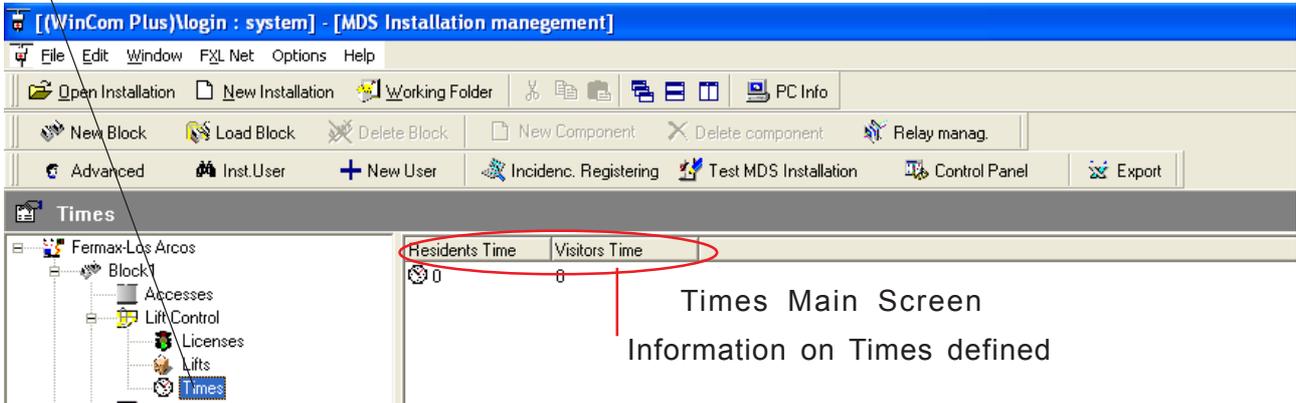
Delete

Press  **Delete** to **delete** the selected Lift.

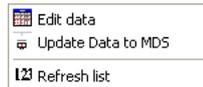
Define Times

Lets you define the time available to Users defined in the system and Visitors to access the lift since the corresponding access is activated.

Click on "Times" on the left of the screen. On the right (Times Main Screen) appears information on the Times defined (if there are any):



Double click on the Times main screen or click the right mouse button and select the "Edit data" option from the pop-up menu:



This screen comes up:



Enter the corresponding Times:

*** Residents Time:**

The time the residents have to reach the lift since the corresponding access is activated. This time is general for all residents and may be set between 1 and 20 seconds. If assigning a 0 timing, this means that we can inhibit lift control for residents. This time may then be modified at any time using any keypad with display in the system.

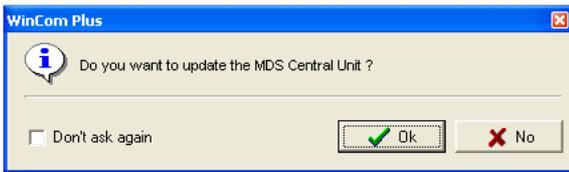
*** Visitors Time:**

The time that visitors have to reach the lift since a resident opens the door to let them in. This time is general for all visitors and may be 1, 2, 3 or 4 minutes. If assigning a 0 time, it means we want to inhibit lift control for visitors. This time can then be modified from any keypad with display in the system.

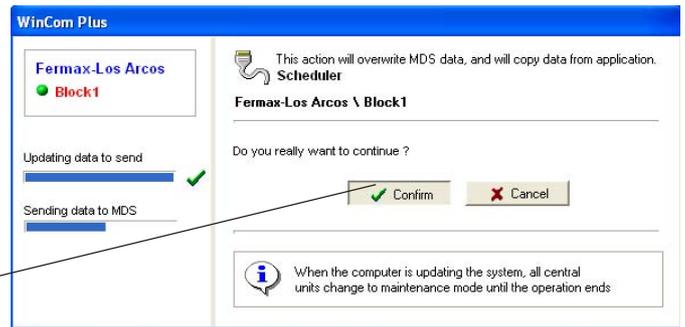
Press **Save** to **save** the times.

Click **Close** to **close** the window.

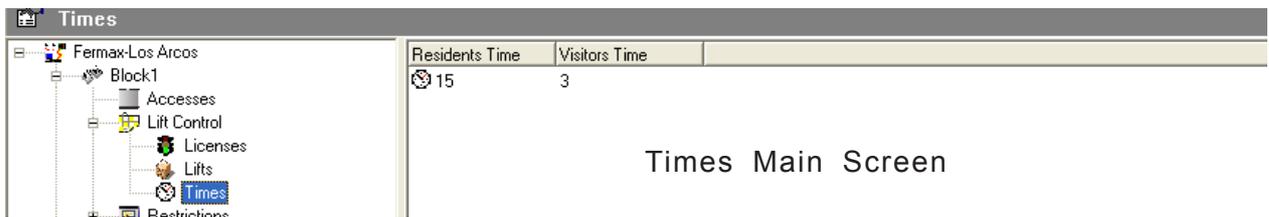
The data updating screen appears:



Click  to update the data in the installation Central Unit.



Press Confirm



Times Main Screen

Modify and Delete Times

Access the Lifts Screen.

Modify

Access the different data and make the desired modifications.

Press  to **save** the changes.

Click  to **close** the window.

Delete

Delete the values in the Times box.

Press  to **close** the window.

CENTRAL UNITS (CU) TEST File

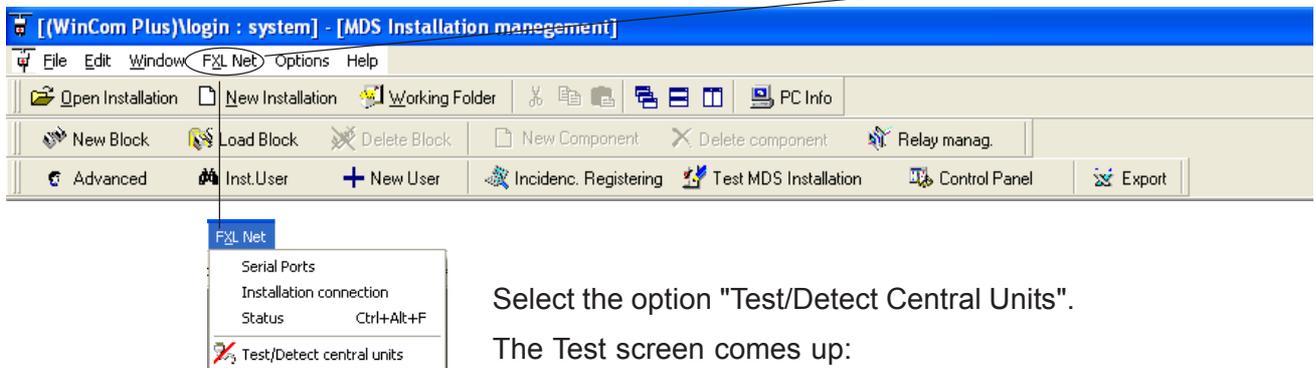
The CENTRAL UNITS TEST checks which Central Units (CU) in the installation are connected.

The application must recognise the different CUs in order to be able to send and update information (users, accesses, restrictions ...) generated by the Wincom Plus application to the CUs.

The central units must be tested to check that the connection is correct. This test need only be run once, unless a problem arises during the connection, in which case the application will ask us to run a new Test.

When the installation opens (if the "Autotest Installation on Opening" option from the Options Menu >>Application File is activated. See Application Configuration File) the Test screen comes up, to check that the Central Units are on line.

To access the Central Units TEST screen at any time, click on the FXL-Network option from the Menu Bar.



Central Units Test Screen

There are 3 TEST Options that show/detect the Central units in our installation.

*** OPTION 1.**

Press "Test Now" to check the central units that make up the active installation.

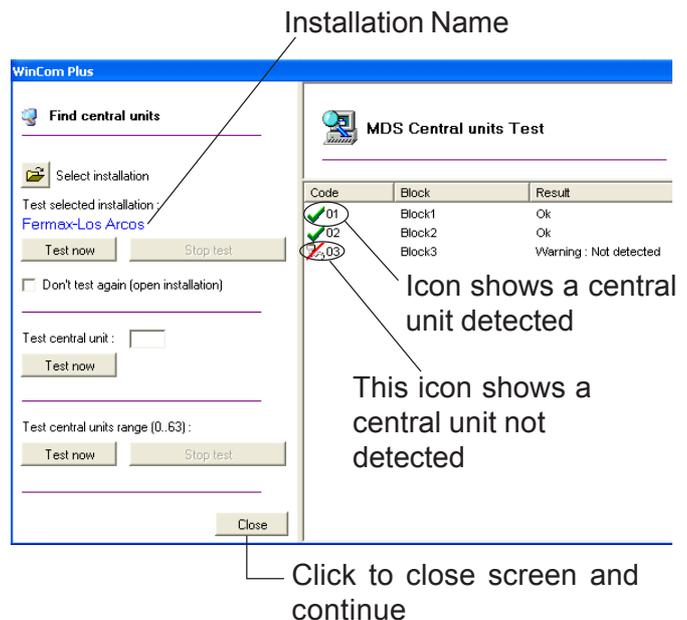
The corresponding icon is shown whether detected or not.

*** OPTION 2.**

Press "Test Now" to check a single central unit. You must indicate the number of the central unit you wish to test.

*** OPTION 3.**

Press "Test Now" to run a full range test of all the central units that may be in the MDS FXL system (up to 63).



You can also test another installation by clicking the  Select installation icon.

Remark



In all three options, the test may be stopped by clicking the "stop test" button.

DATA UPDATING File

During the use of the application, and every time new data are entered or something is modified/deleted, we have to update the changes in the Central Unit of the Installation, so that the system can recognise the changes and operate correctly with the new configuration.

You can update the whole system (configuration+user lists), configuration, or any individual element of the installation: Blocks, Accesses, Users, Restrictions, Relays, Sensors...;

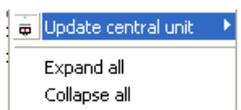
Overall Data Updating

Update all the changes made in the application, in any of the elements and user lists making it up.

Select the "Block" element by clicking on it on the left of the screen.



With the "Block" element selected, right click the mouse. This pop-up menu appears:



Select the "Update Central Unit" option.

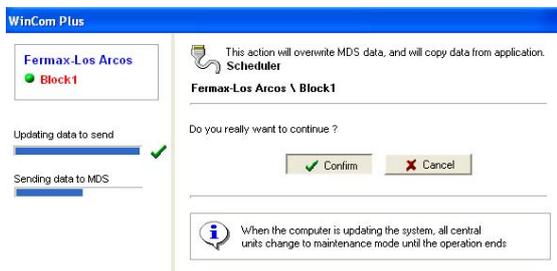
A new sub-menu comes up with three options:



Select the Update you wish to run:

- * **Update user list:** Updates the system users list (*).
- * **Update configuration:** Updates the system configuration (Blocks, Profiles, Accesses....)(**).
- * **Update ALL:** Updates the Users List + Configuration (***)

When you select the desired update option, the Update Confirmation Screen appears:



Press **Confirm** to update the modifications in the installation Central Unit.

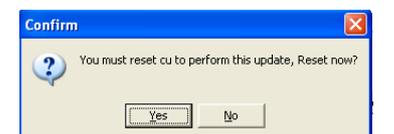
Remark

(*) When updating the users list, the sort users screen appears. Select the desired option and press "OK".



(**) When updating the configuration, once the data have been confirmed and sent to the Central Unit. The "Reset CU" appears. Click "Yes" to reset it (some changes are not activated until a Central Unit is reset).

(***) When running "Update ALL" the two screens mentioned above appear. Repeat the same steps.



Updating Specific Data

It is possible to update a particular element in the installation, with no need to update the whole system. (for example, if only Accesses has been modified, you can update just this element).

To do so, select the element to be updated by clicking on it on the left of the screen (for the example, we shall update the Accesses element):

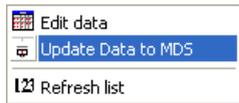


With the element selected, right click the mouse. The following pop-up menu appears:



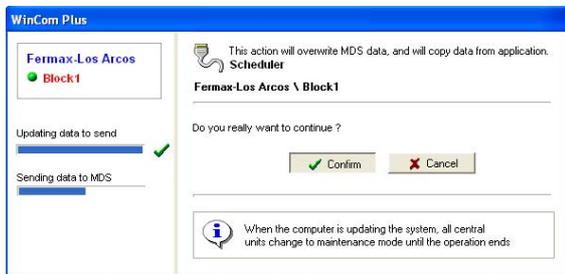
Select the "Update Accesses" option.

or go to the Main Screen of the selected element (right side of the system Administration Screen), and right click the mouse. Another pop-up menu appears:



Select the "Update Data to MDS" option

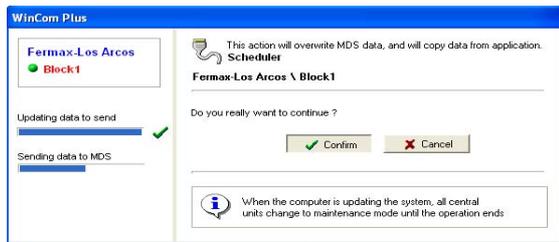
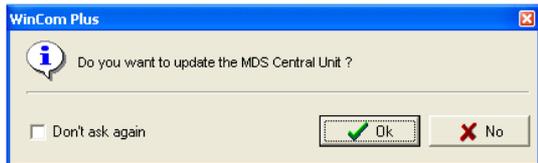
When you select the update option, in both cases the Update Confirmation screen of the selected element appears:



Press **Confirm** to update the modifications in the installation Central Unit.

Updating During Data Modifcation

Every time an insertion, modification or deletion of data is done in the central unit:



It is recommendable to update the data at this point; to do so, click **Ok** on the configuration request screen and **Confirm** on the screen for sending data from the application to the system.

If you do not update the data at this point, you must do so later, as explained in previous sections.

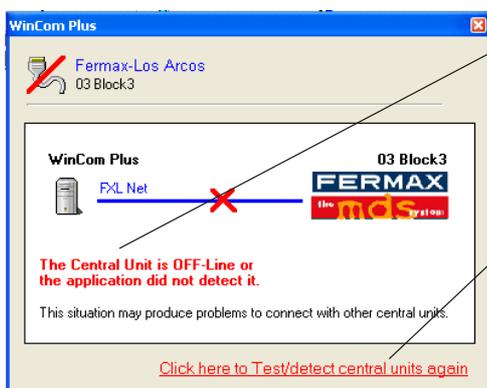
Faults During Data Updating

For proper operation of the installation, you must detect all the central units that configure the installation, otherwise the application will never allow information to be sent to the system.

During data updating in the central units, it may occur that the CUs are not detected, or a transmission failure may arise.

In both cases, the following FXL-Network fault screen appears, showing the corresponding fault for each case:

Central Unit Fault Detection:

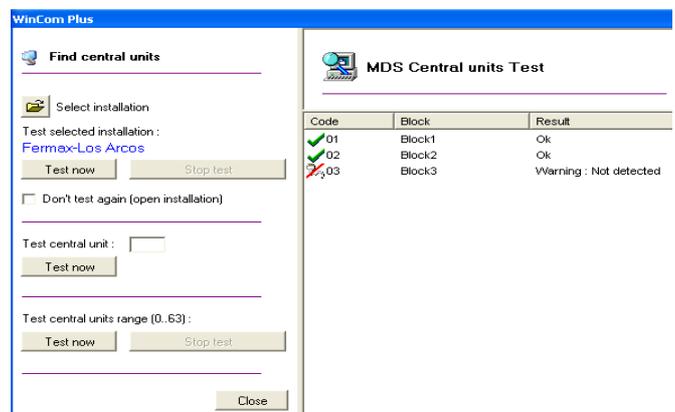


It has not been possible to detect the corresponding Block or Central Unit where we want to update the data.

We have to run a new test to check that the application recognises the central units in the installation.

To do so, click on: "Click here to detect/test CUs".

The "Central Units Test" screen appears (See Central Units Test File).



Programming Entry Fault:

It has not been possible to enter programming mode to send the data to be updated from the Application to the corresponding Block or Central Unit we want to update.

This problem may arise when the connection password is entered wrongly, or due to a connection fault.

It is not necessary to run a new test of the CU (although it is permitted).

Close the window and try to update the data again.

Once the application has entered programming mode with the CU, the programming fault should not occur again.



MDS INSTALLATION TEST File

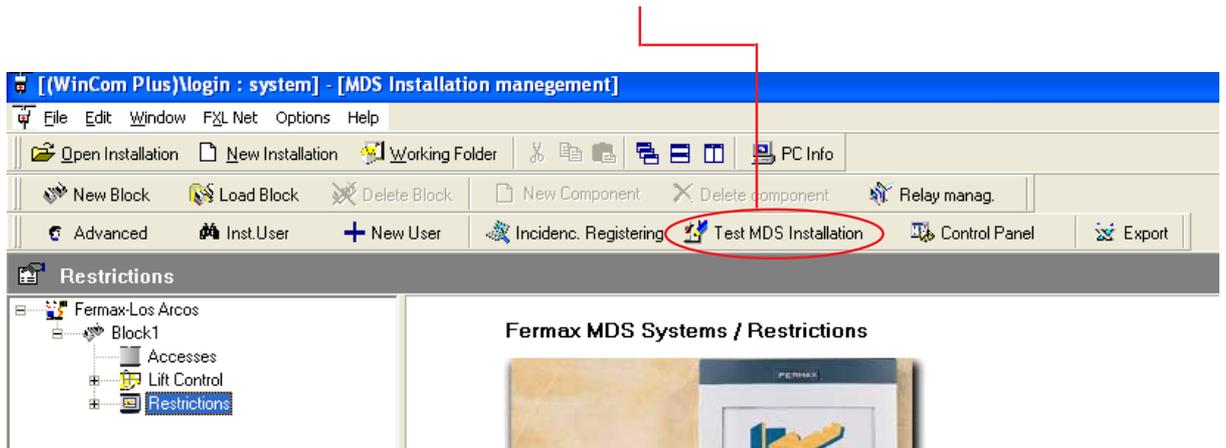
The MDS INSTALLATION TEST lets you check which elements and components have been defined in the application and are being used in the installation.

The system lets you run a **test of the elements/components defined in the application** (i.e, to find out if there are accesses defined in the block and whether they are in the installation ...) or run a **test of all possible elements/components** that may make up an MDS installation.

It also detects if any relays have been defined (010), but not their group (0).

MDS Installation Test Screen

To access the MDS Installation Test Screen, click the **Test MDS Installation** button on the Main Screen toolbar at any time.



The MDS Installation Test Screen appears to let us run the two test modes explained above:

Test screen for the elements/components defined in the application:

Test screen for all possible elements/components that may make up an MDS installation.

List of the different Blocks with their corresponding elements and components to be tested.

Click on the box to view the different components:

```

Fermax-Los Arcos
├── 01 Block1
│   ├── Accesses
│   ├── Sensors
│   └── Relay
├── 02 Block2
└── 03 Block3
                    
```

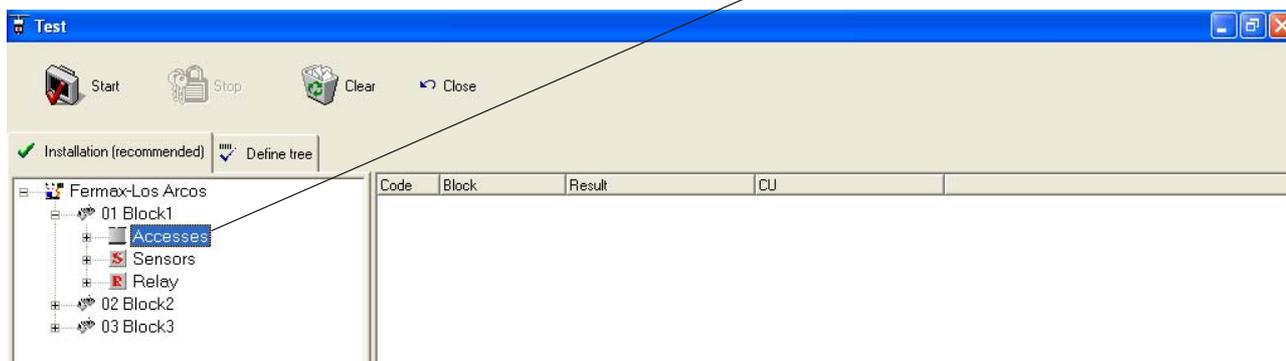
Code	Block	Result	CU
List of devices defined in the application and detected in the installation.			
Shows information on the type of device (element), the Block it is in ...			
Result	Type	Object	CU
List of devices defined in the application and NOT detected in the installation.			
Shows information on the type of device (element), the Block in which it is defined ...			

Test Defined Elements

Select the first tab "Installation (recommended)".

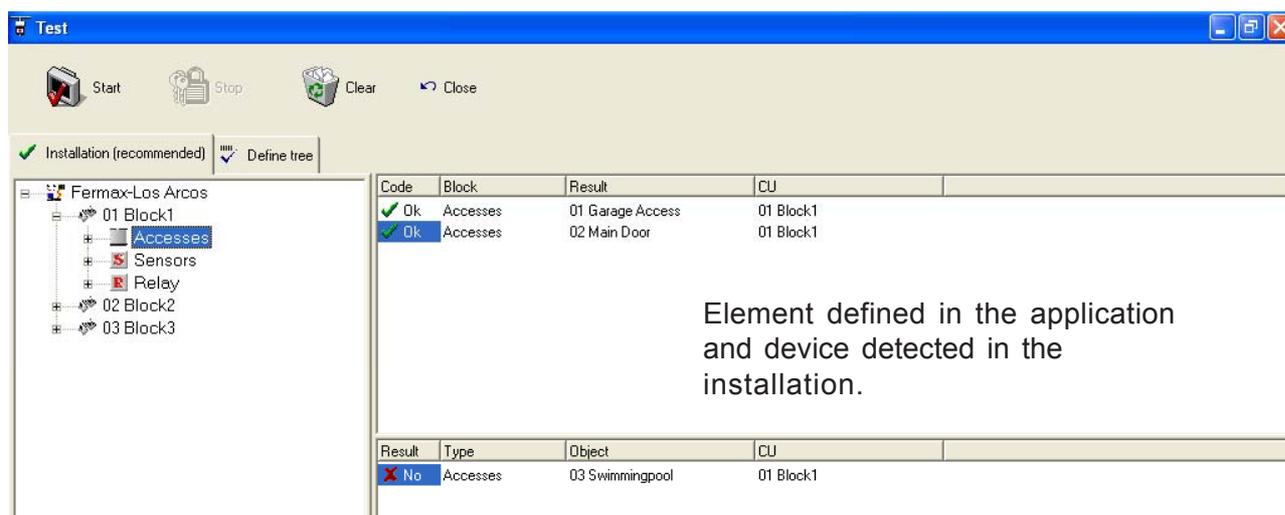
Select the component or element you wish to test from the tree on the left of the screen (the test is run from the point selected downwards).

In this example we are testing the Block 1 Accesses. To do so, select the Accesses* component.



With the element/component selected, press the  button to start the test.

The test results appear in the windows on the left of the screen:



Element defined in the application and device detected in the installation.

Elements defined in the application and devices NOT detected in the installation.

Press  to **stop the test** at any time.

Click  to **delete the test results** (if you do not clear the results from the windows and another test is run, the new results appear alongside the existing ones).

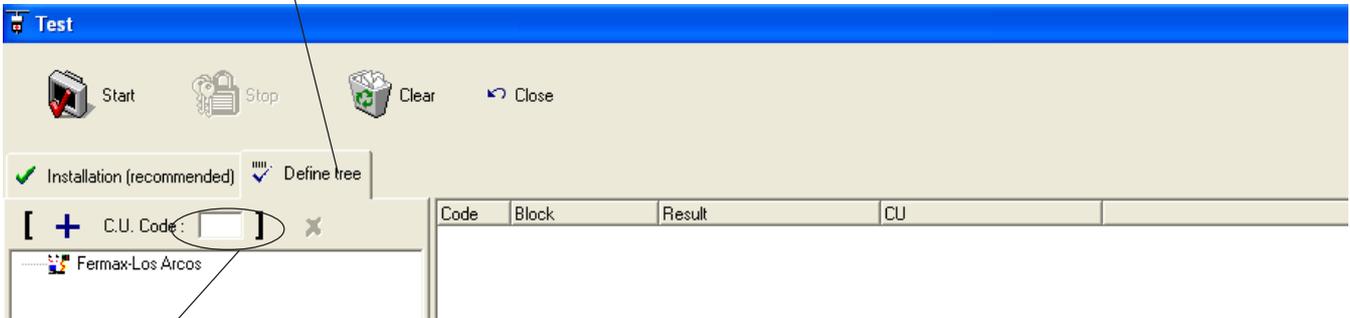
Press  to **exit** the MDS Installation Test Screen.

Remark

 (*) The test runs the check from this point downwards, i. e., tests all the accesses defined within the Accesses component. If Block 1 were selected, the test would run a check from this point down, i.e., of all the accesses, relays and sensors ...

Test All Elements

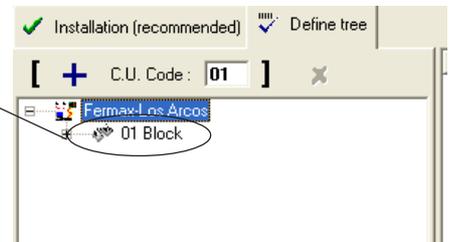
Select the second tab "Define Tree".



In the "CU Code" box, enter the number of the Central Unit (Block) that contains the components/elements to be tested and press **+**.

The Block is added to the tree. Repeat the process if you wish to add more blocks).

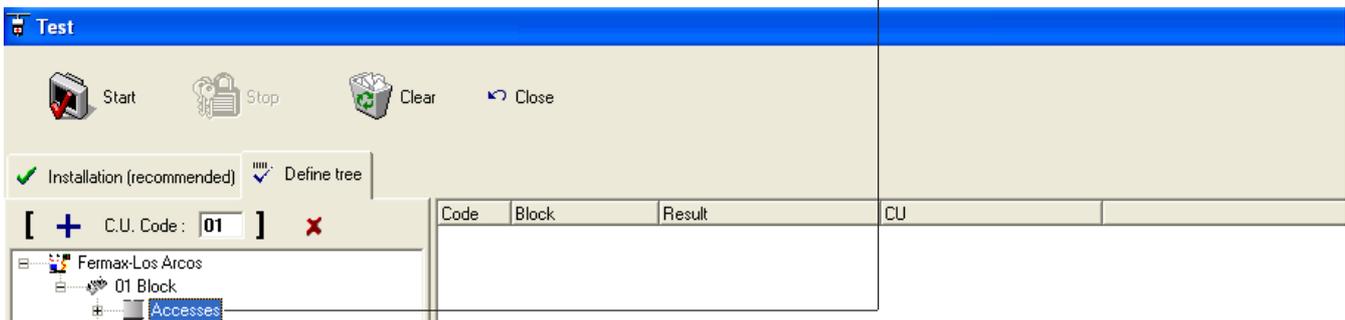
To delete a Block, select it and click **X** to delete it from the tree.



Select the component or element you want to test from the tree on the left of the screen (the test is run from this point downwards).

In this example, we shall test the Block 1 Accesses. We select the Accesses* component.

In contrast to the previous test, this runs a check of all the possible accesses that could exist, i. e. 32 accesses, despite having only defined 3 in the installation (as with the rest of the components).

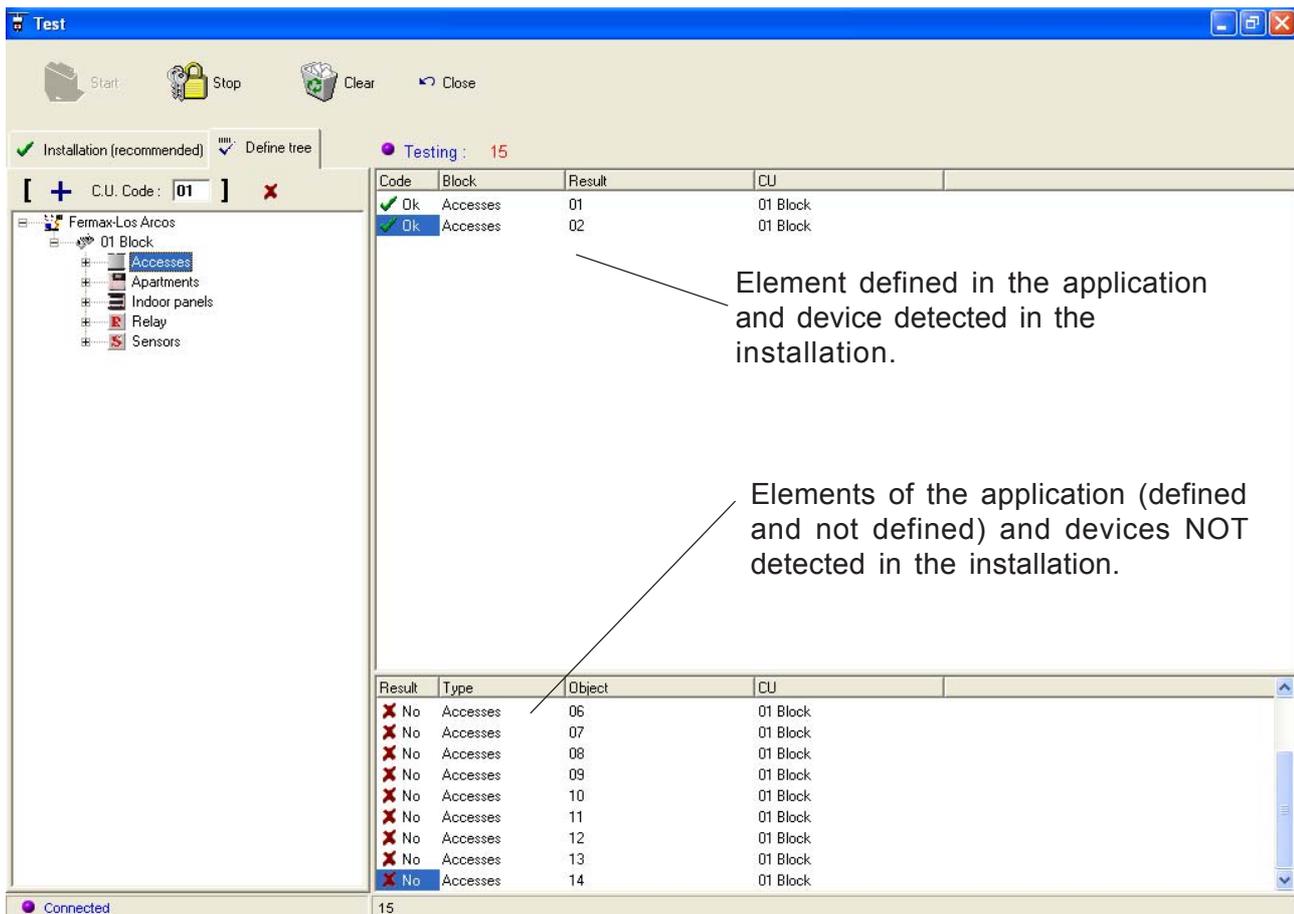


With the element/component selected, press the  button to start the test.

The test results appear in the windows on the right of the screen:

Remark

(*) The test runs the check from this point downwards, i. e., tests all the possible accesses in the Accesses component. If Block 1 were selected, the test would run a check from this point down, i. e., of all the accesses, relays and sensors ...



Element defined in the application and device detected in the installation.

Elements of the application (defined and not defined) and devices NOT detected in the installation.

Press  to **stop the test** at any time.

Click  to **delete the test results** (if the windows are not cleared of results and a new test is run, the new results will appear alongside the old ones).

Press  to **exit** the MDS Installation Test Screen.

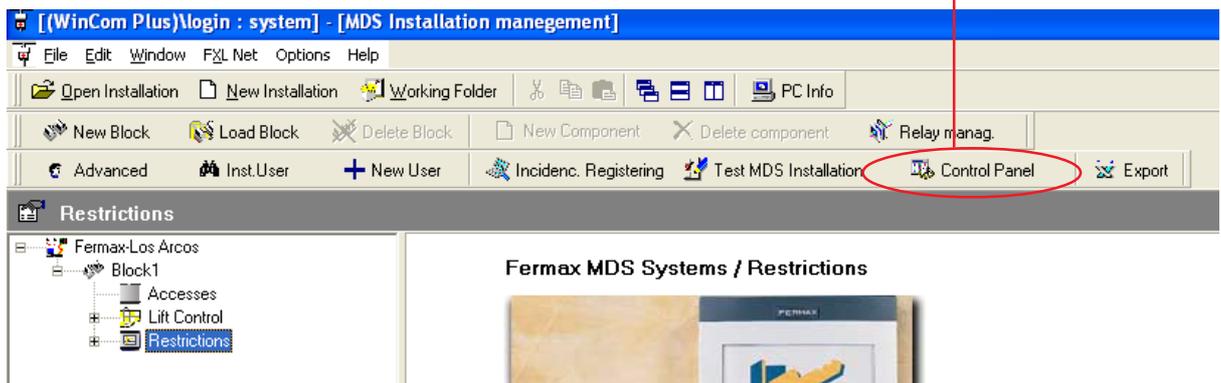
CONTROL PANEL File

The CONTROL PANEL lets you view and carry out modifications on internal Central Unit data.

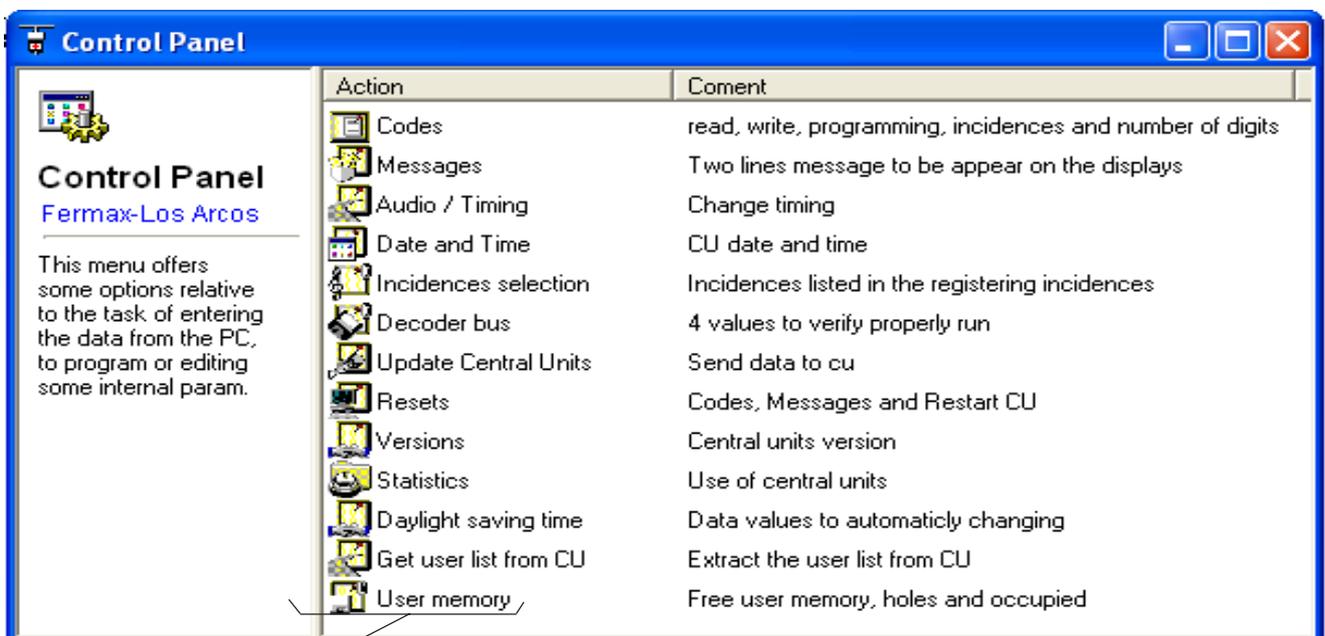
The checks and modifications in the internal information that may be carried out are listed below in subsections.

Control Panel Screen

To access the Control Panel screen at any time, press the  Control Panel button on the Main Screen toolbar.



The Control Panel screen appears, where we can select the item we want to check or modify. There are 13 options:



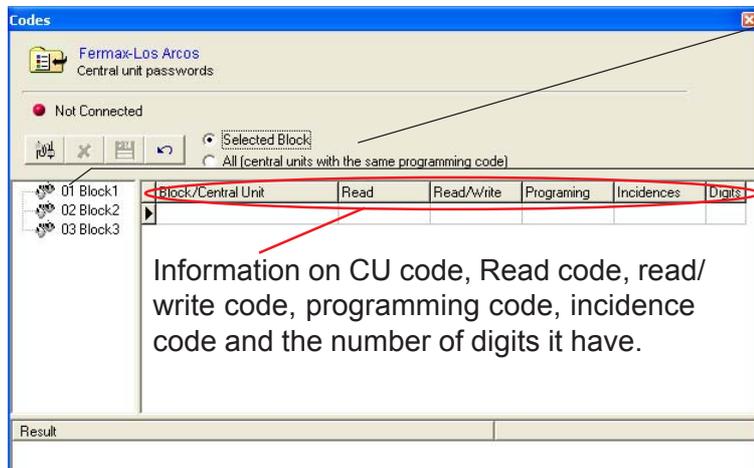
Click on the desired "Item" to open the corresponding screen and make the check or modifications.

Now we shall list each of the items and their corresponding screens:

Codes



From this section you can **view and modify the codes of the Central Units**, of one or several depending on the option selected ("Selected Block" or (All)).



1st) Select whether you want to view the code information of a certain Block/Central Unit, or else all of them.

If you only want to check one Block, select it by clicking on it on the left of the screen.

2nd) Click to connect with the Block /CU selected and obtain the information.

3rd) If you wish to modify any of the values, go to the corresponding box and write in the new value.

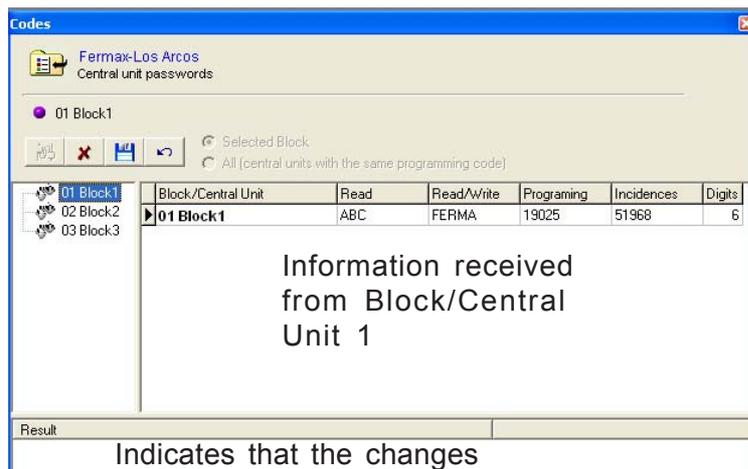
Click to save changes in the Block/Central Unit.

Enter the password (default password: ferma) and click "OK".



4th) Press to terminate the connection.

Click to exit.

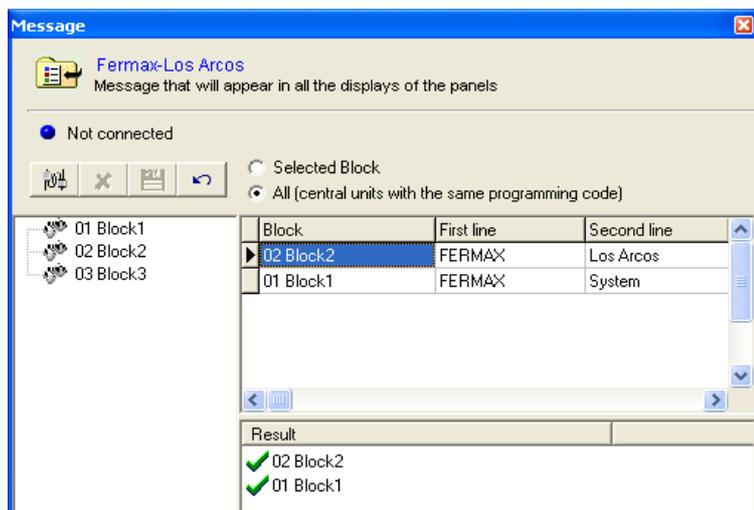


Indicates that the changes have been saved correctly.

Messages



From this section you can **view and modify the messages** shown on the **displays**. Operation is identical to that of "Codes" (previous sub-section).

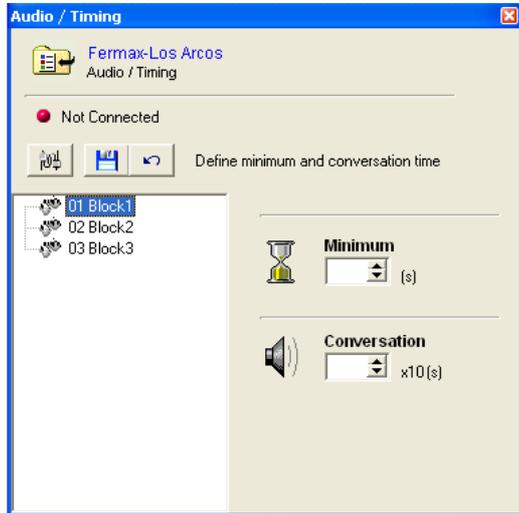


Take steps **1, 2, 3 and 4** as explained in the previous section, to view and modify the information in the displays.

Audio Timing

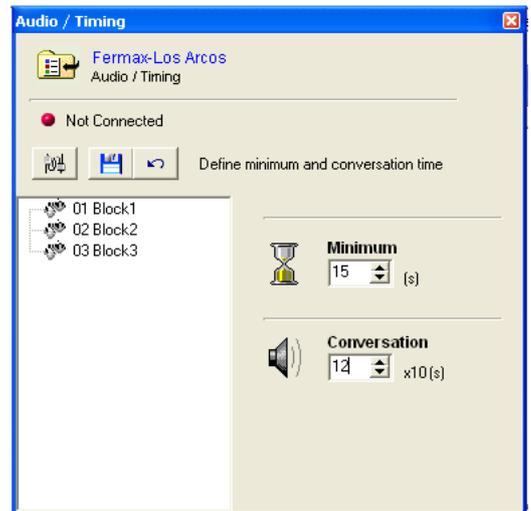


From this section, you can **change the conversation time**.



1st) Select the Block from the left of the screen to view the information on the talk times for that Block.

2nd) Press to connect with the selected Block/CU and get the information.



3rd) If you wish to modify any of the values, go to the corresponding box and write in the new value.

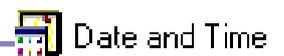
Click to save the changes in the Block/Central Unit.

Enter the password (default password: ferma) and press "OK".

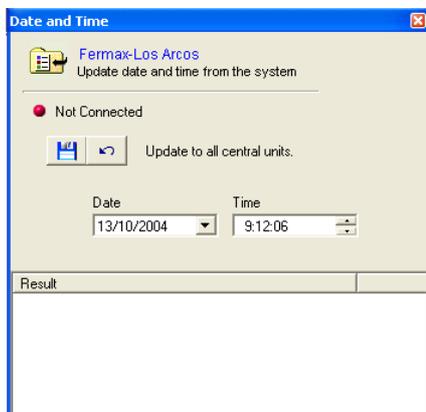


Press to exit.

Date and Time



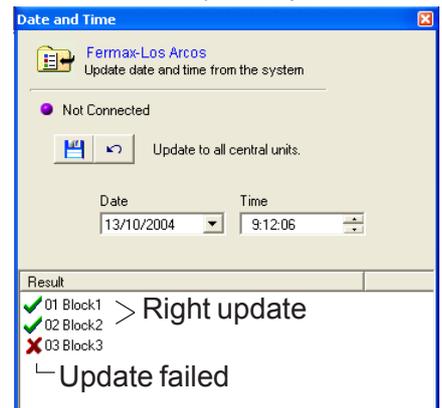
From this section, you can **modify the date and time of all the Central Units**.



1st) Select the date (from the drop down menu) and time you wish to set for the Blocks/central Units.

2nd) Press to save and update the date/time in the Blocks/Central Units.

Enter the password (default password: ferma) and press "OK"

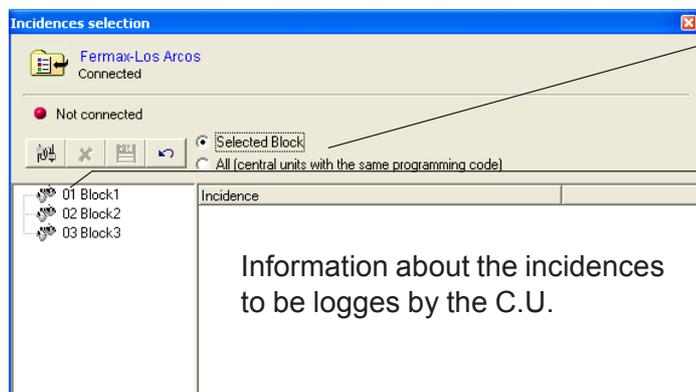


Click to exit.

Incidence Selection



From this section, you can indicate the **type of incidence to be logged**, one or several Central Units/Blocks depending on the option chosen ("Block Selected" or "All").



1st) Select whether you wish to view the incident types from one Block/Central Unit or all of them.

If you only want to check up on one specific Block, click on it on the left of the screen.

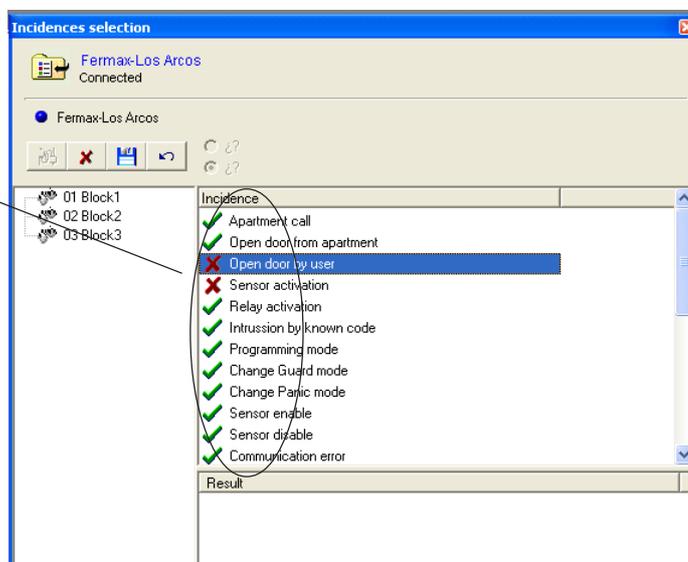
2nd) Press  to connect with the Block/CU selected and get the information.

When data are received from "Block Selected" or "All", the list of incidence received at this time by the corresponding Block/CU appears on the right of the screen.

✓ Indicates that this incidence is logged by the Central Unit (it is **enabled**).

✗ Indicates that this incident is **NOT** logged by the Central Unit (it is **disabled**).

If incidence are logged from all the Blocks/CUs in the installation, they will all be shown as enabled by default (✓), even though in some of them (CU) the incident is not marked as indicated.



3rd) If you want to enable or disable an incidence, click on the corresponding icon (✓, ✗) to the left of the incidence. The incidence goes from enabled to disabled and viceversa (the icon changes to the corresponding status).

Press  to save the changes in the Block/Central Unit.

Enter the password (default password: ferma) and press "OK".



Click  to terminate the connection.

Click  to exit.

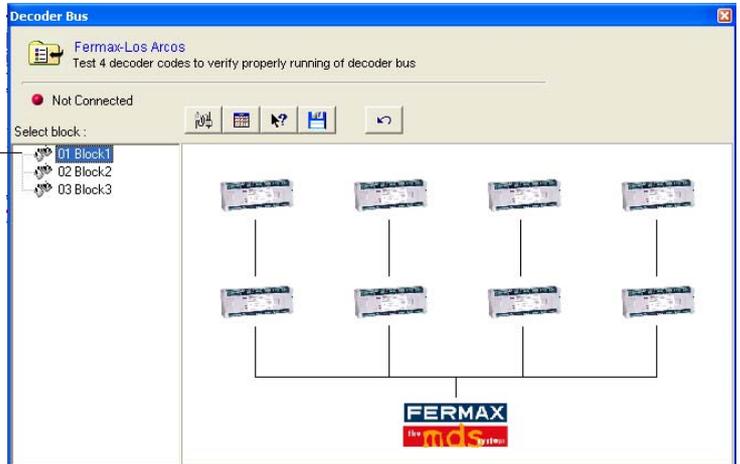
Decoder Bus



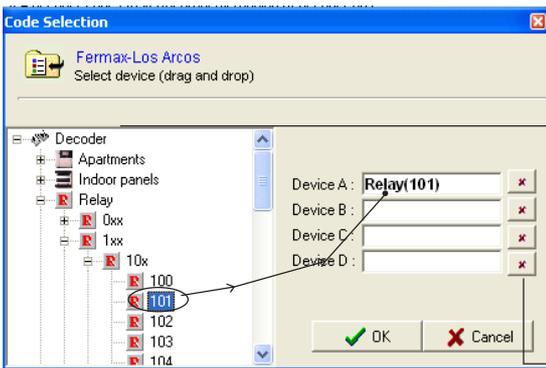
From this section, you can run a **test** on four decoder addresses(relays, sensors, panels, apartments) **to check the proper operation of the installation decoder bus**, linked to a Central Unit(or Block).

1st) Select the block for which you wish to run the decoder bus test. Click on the desired block on the left of the screen.

2nd) Press to select the addresses of the decoders to be tested. (decoder combinations can be tested, i. e. relays and sensors; relays, sensors and panels ...).



The selection screen comes up:



3rd) Click on the box to view and locate the different types of decoders and their addresses.

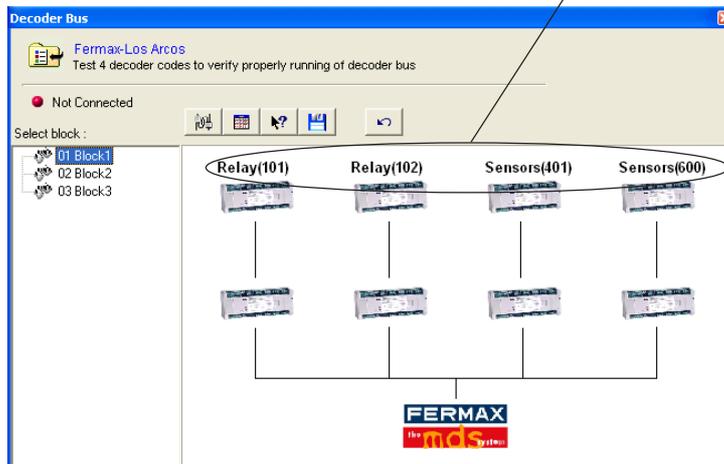
Select the decoder type and click on the address of the decoder to be tested and drag it to one of the text boxes designated "Device A,B, C,D".

You may select up to four different decoders and addresses. (Proceed as in the previous paragraph).

Press to delete a decoder address from the text boxes.

Click to close the screen and confirm the decoder addresses to be tested.

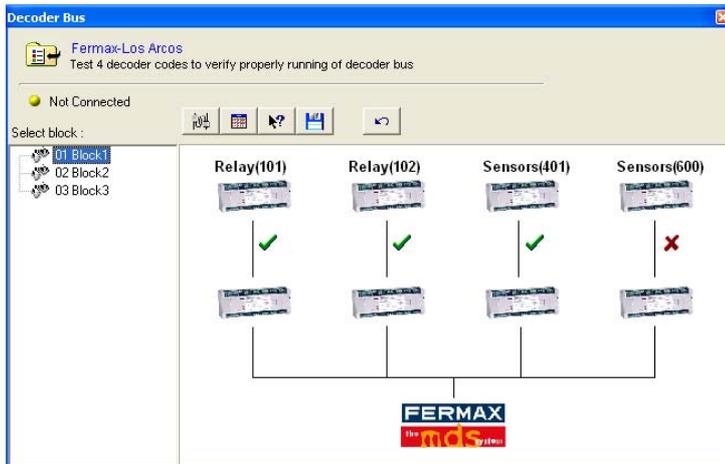
The decoder type and address to be tested appear on the test screen:



4th) Press to run the decoder bus test.

The test checks if the decoder addresses to be tested are in the decoder bus connected to the Central Unit(or Block) of the installation.

On the main screen, the results of the test are shown:



- ✓ Indicates that the test has found that the decoder type and address specified for this decoder are present in the bus and working correctly.
- ✗ Indicates that the test has NOT been able to detect (locate) the address specified for this type of decoder in the installation bus.

Press to save the decoder types and addresses, in order to be able to run a new test later with the same values.

Enter the password (by default: ferma) and click "OK".



Press to load the values saved previously for a Block/Central Unit (to load the values you must first select the corresponding Block).

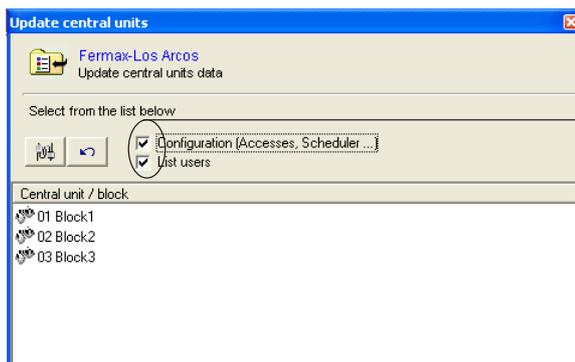
Click to exit.

Updating Central Units (Blocks)



Update Central Units

From this section, you can **update the Lists of Users and the Configuration** (Accesses, Profiles...) **for a certain Central Unit/Block.**

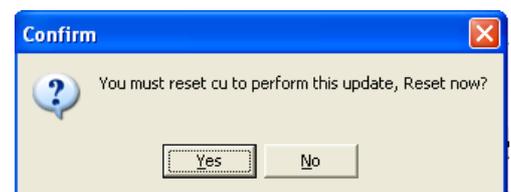
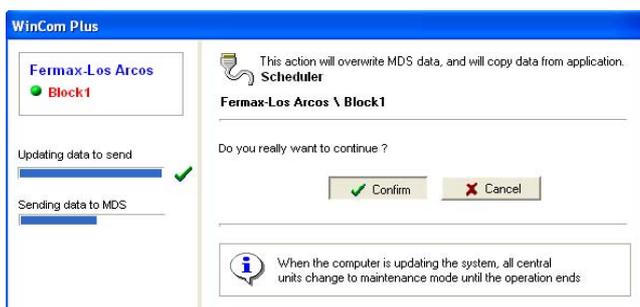


1st) Select the information (Users List, Configuration, or both) you wish to update in the Central Unit or Block, ticking the corresponding boxes.

Select the Block/CU you wish to update by clicking on it.

2nd) Press to send the selected data to the Central Unit/Block.

The confirmation screen comes up. Press "OK" to send the information.



Click "Yes" to reset the Central Unit and update the data.

Press to exit.

Resets

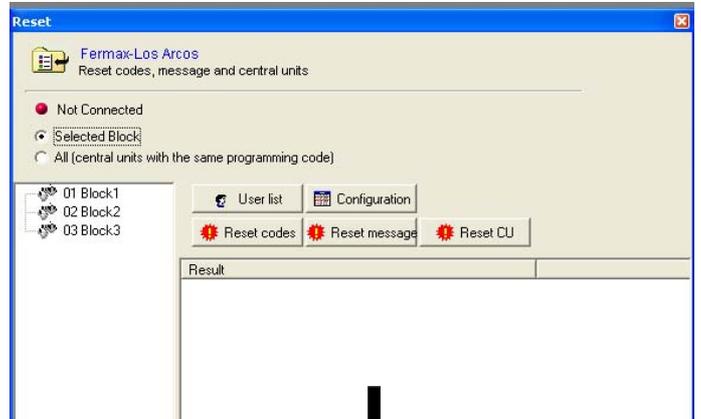


From this section, you can **reset the List of Users, Configuration, Codes, Messages or the Central Unit.**

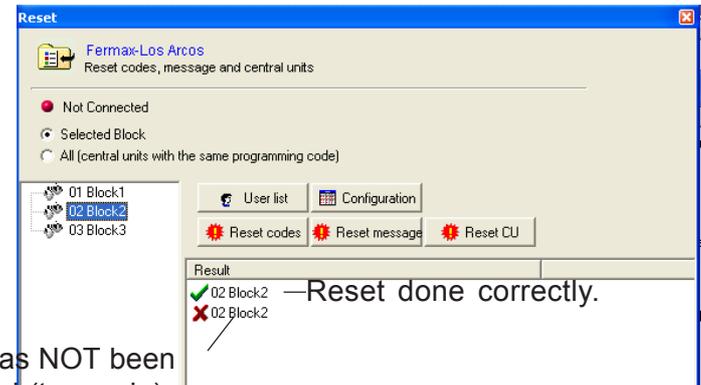
1st) Select if you wish to reset the information of a given Block/Central unit, or all of them.

If you only want to reset the information of one Block in particular, click to select it from the left of the screen.

2nd) Press the button corresponding to the information you wish to reset from the Central Unit/Block selected.

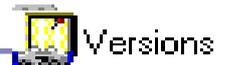


-  User list *Reset Users List*
-  Configuration *Reset Configuration*
-  Reset codes *Reset Codes*
-  Reset message *Reset messages*
-  Reset CU *Reset Central Unit*



Reset has NOT been succesful (try again).

Versions

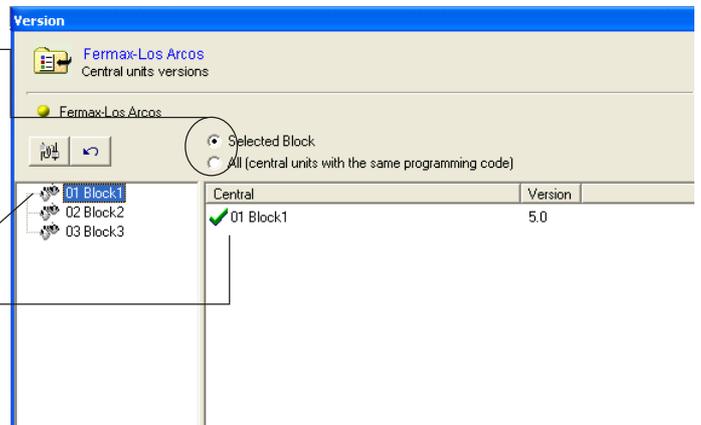


From this section, you can **find out the version of the Central Unit/s** of the installation.

1st) Select if you want to know the version of one Central Unit/Block or all of them.

If you only want to check the information of one CU/Block in particular, click to select it from the left of the screen.

2nd) Press  to receive the information on the version of the Central Unit/s or Block/s selected. Enter the password (ferma) and press "OK".

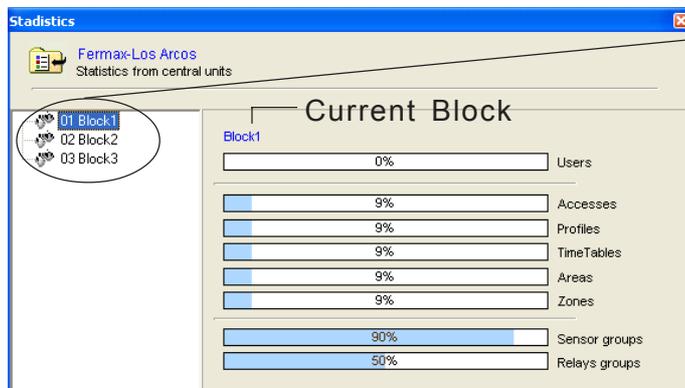


Click  to exit.

Statistics



From this section, you can get **information about the use** being made of the **system**.



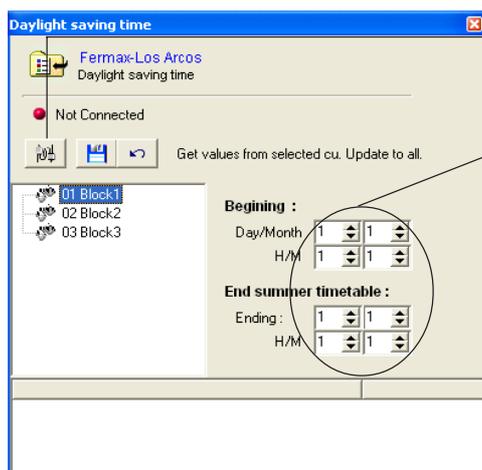
To view the statistics on a specific Central Unit/Block, click to select it on the left of the screen.

Press (upper right corner of the screen) to close the window.

Change Time



From this section, you can **check and modify Summer Time in the Central Units**.

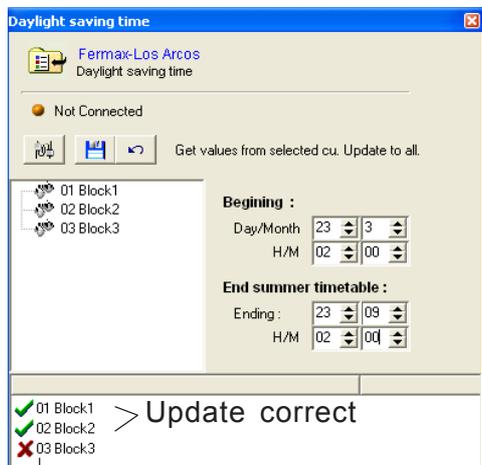


1st) Press to obtain the data on Summer Time currently set in the Central Units/Blocks of the installation.

Modify or enter the new Summer Time (Start and End).

2nd) Press to save the Summer Time in the Blocks/Central Units.

Enter the password (ferma) and click "OK".



Update fault (See Data Updating File)

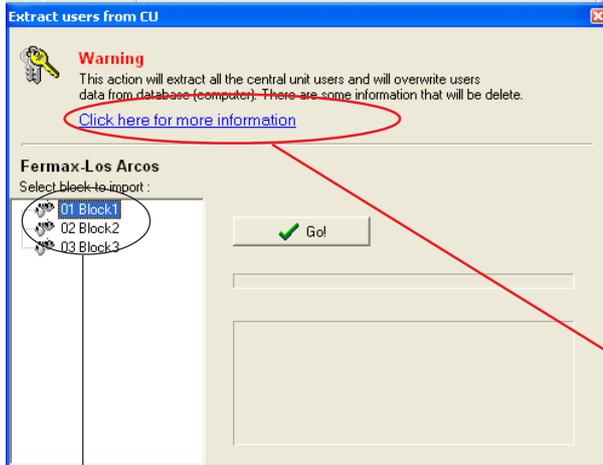
Press to exit.

Import Users List



Get user list from CU

From this section, you can import the List of Users from the installation Central Unit.



IMPORTANT:

When importing data from the Central Unit to the database (DB) of the application, the information imported overwrites the DB data.

There is information that can only be present in the application DB (photos, personal and business information), so when data are imported from the CU, this information will be lost.

To import data from a given Central Unit (or Block), select the Central Unit/Block you wish to import the data from by clicking on it on the left of the screen.

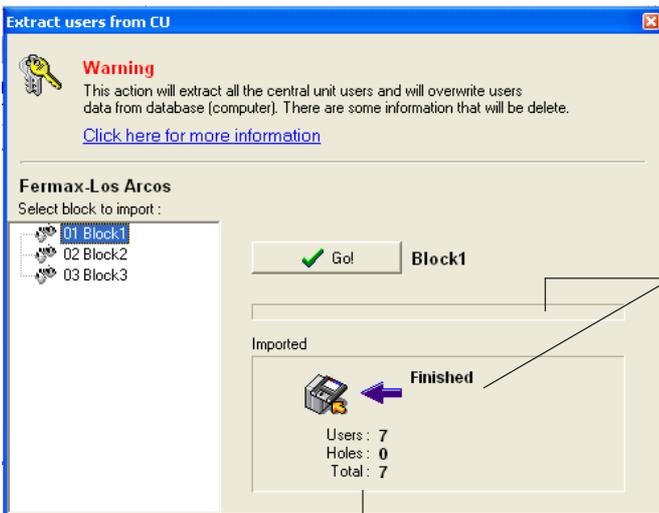
Press to import the data. The following confirmation screen comes up:



Press "Yes" to continue.

Click "No" to cancel data importation.

↓ "Yes" — The application imports all the data present in the selected Central Unit.



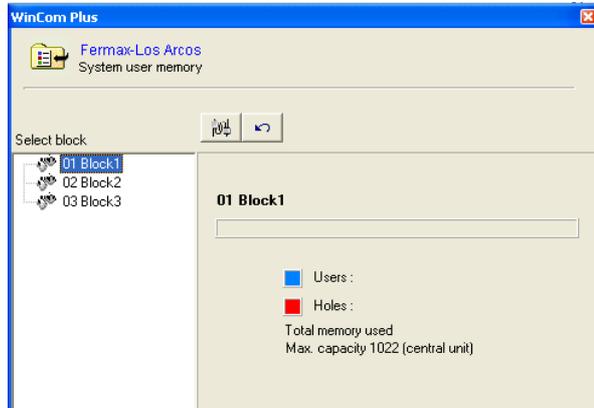
Process bar: Information on the data importation process.

Shows information on the number of users that have been imported

Press (upper right corner of screen) to close the window.

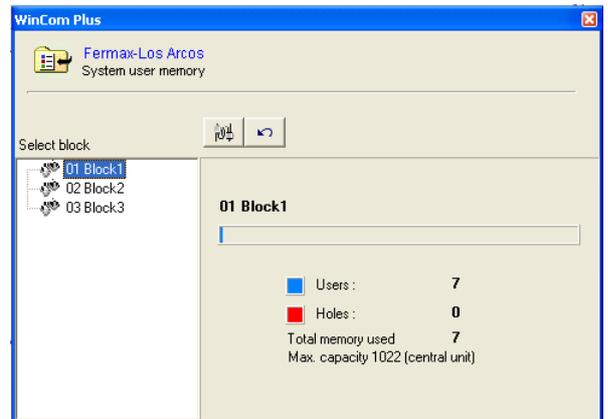
Users memory

In this section, **the capacity of memory used per central unit** is displayed, showing the spaces, with a maximum of 1022 per central.



Select the Central Unit/Block from which you want to import the data, clicking on it on the left of the screen.

Press to check the memory capacity used in the selected CU/Block selected.



Click to exit.

ANNEX

Modem Management WincomPlus

MODEM MANAGEMENT FROM WINCOMPLUS

1. Introduction

The new MDS minicentral versions (as of version 5.2) may be managed directly by remote connection using modems, with no need for Ref. 2467.

2. Instalación

For correct installation you will need:

- A special cable between modem and RS-485 Adaptor (ref. 2338).
- MDS Central version 5.2 or higher.
- A modem (US Robotic 56k Fax Modem recommended) on the installation side.
- RS-485 Adaptor (ref.2338).
- Telephone line connection.
- Any modem on the PC side.
- PC.

Below are details of the wiring diagram you must construct to carry out the Modem - RS-485 Adaptor connection.

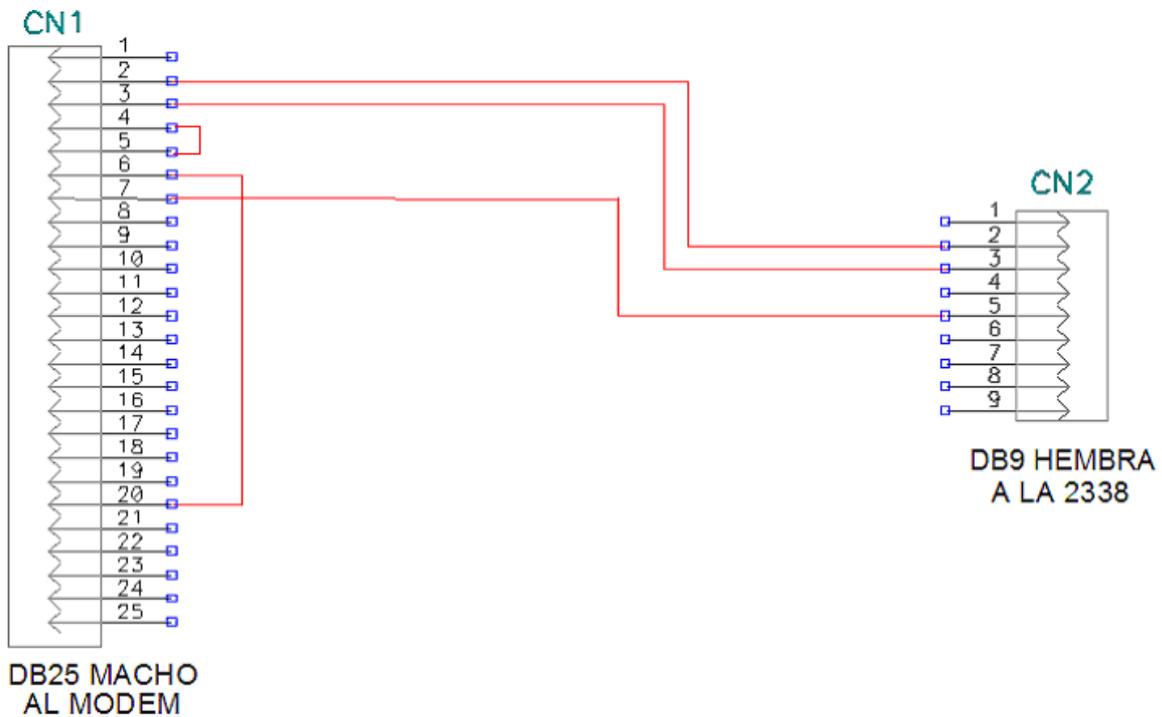


Fig. 1.1 Modem Wiring Diagram - FXL Access Terminal.

3. Configuration

In order to configure the installation, you must take the following steps. To better illustrate the explanation, we shall distinguish between sender and receiver modem, understanding by sender modem the modem, whether internal or external, that is connected to our PC. By receiver modem, we mean the modem that is to be connected to the CU by the Modem - RS-485 Adaptor cable and reference 2338. In figure 1.2, we can see a connection diagram:

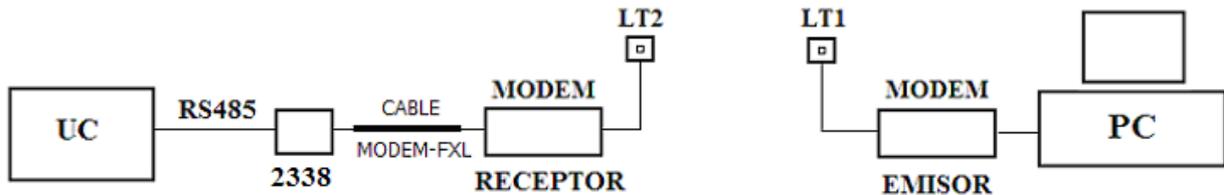


Fig 1.2 Connection Diagram.

1º) Receiver Modem Configuration

The receiver modem must be configured by means of the following AT parameters:

ATY2 -> Use factory configuration 0.

ATZ0 -> Reset modem to profile selected by the Y commend.

AT&W -> Save the data in memory.

To set up these parameters, we shall use the **Hyperterminal** program included in the Windows operating system. Before opening Hyperterminal, you must connect the receiver modem to your PC in order to configure it. To do so, connect the modem to the power supply. The modem is also supplied with a cable containing a DB25 connector at one end and a DB9 connector at the other, which serves to program the modem. Connect the end with the DB25 to the modem and the end with the DB9 to your PC.

Remark



By means of the command `AT+ms=v34,1,38400,38400,384003,38400` from Wincom +, we may achieve a communication speed of 38400 bps, if necessary. This command is established at FXL Network => Status => Properties => Internal Timers => AT Baud Rate Command.

Now we go to **Start => Accessories => Communications => Hyperterminal**.

When the program opens, we find the following screen, where we have to key in a name to identify the connection. i.e: "Modem".



Once the name is entered, press the **OK** button and move on to the next screen, where you must select **COM1** from the last drop-down menu and press **OK** again.



In the following screen, we set out the data:

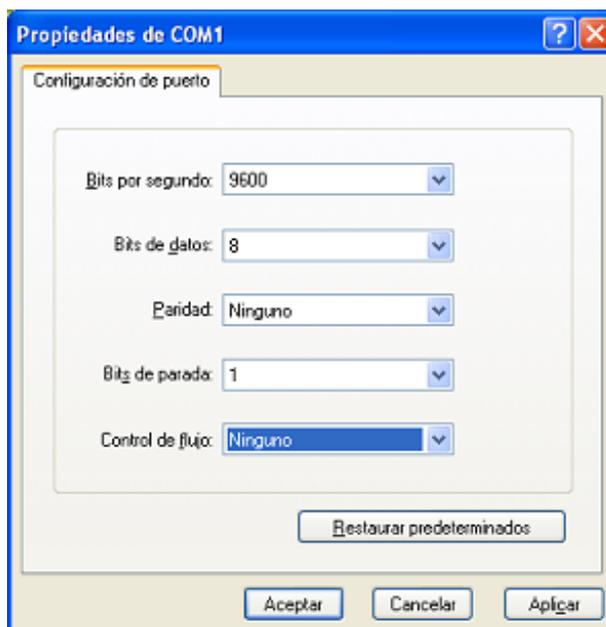
Bits per second: **9,600**.

Data bits: **8**

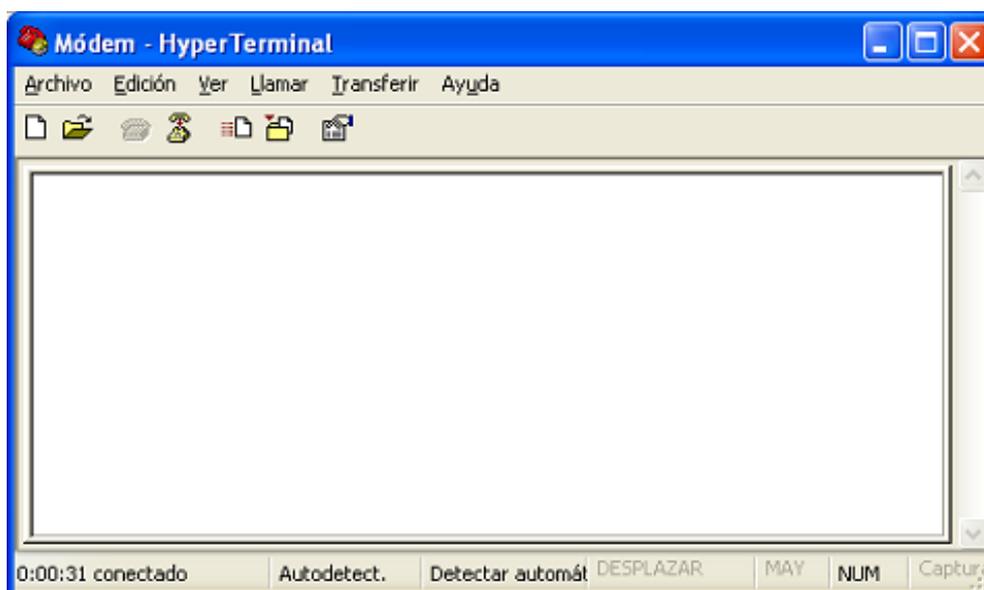
Parity: **None**.

Stop bits: **1**

Flow control: **None**.



Once the boxes are filled in with the data indicated, click on the **Apply** and **OK** buttons in that order, before moving on to the final screen, where you can enter the AT commands specified above.



With these commands, the receiver modem will make an auto-response, impose a communication speed of 9,600 baud upon the sender modem (internal or external) and save the information in a secure internal memory zone, preventing the configuration being lost in case of a fall or surge in power supply tension. As the configuration is saved in an NVRAM type memory, it will not be necessary to enter the configuration parameters again if the modem's power supply is cut off.

2º) Installation Setup

Once the receiver modem is configured, disconnect the end of the cable connected to the PC and set up the installation as shown in figure 12.

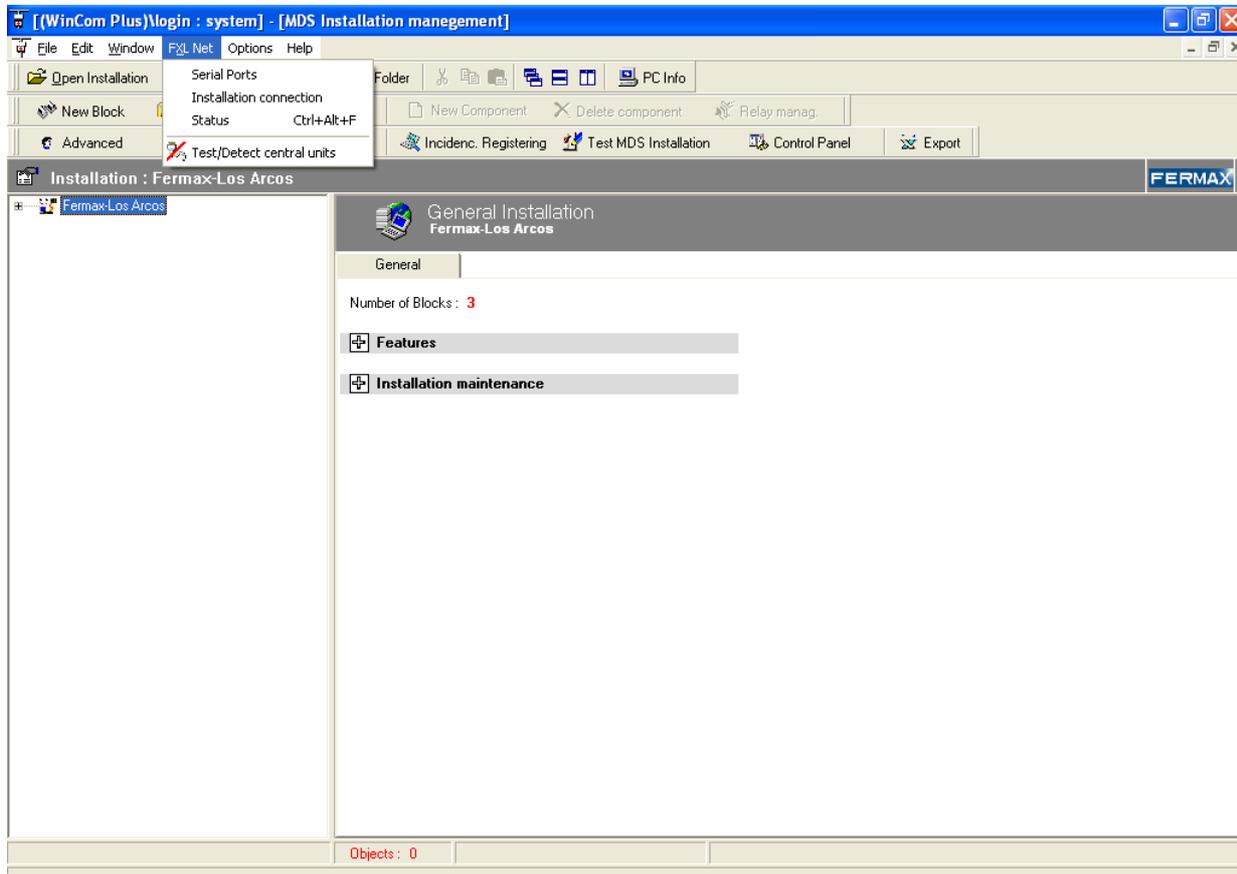
Please note that the sender modem does not require any type of configuration.

3º) WincomPlus Configuration.

The final part consists of configuration of the Wincom + program, in order to be able to work with the modem. We shall distinguish two possible cases:

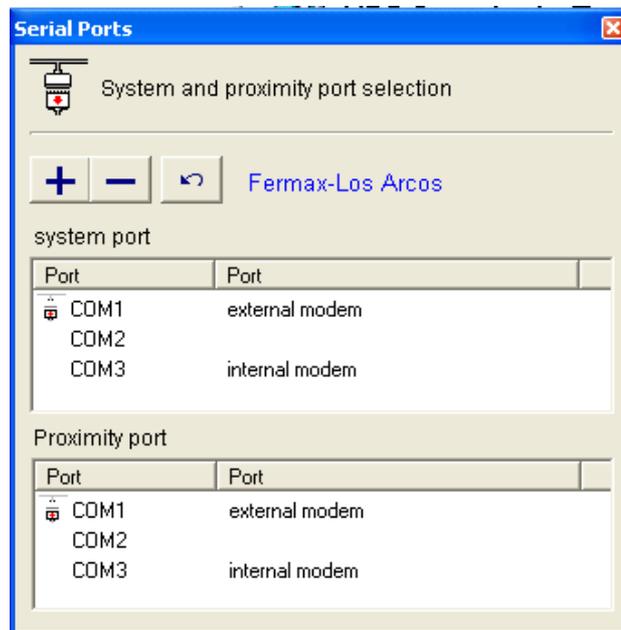
- **External Modem**

In this case, the modem will be connected to one of the free serial ports on the PC. To carry out the tests, we have connected our external sender modem to port COM1. Open the Wincom + program and click on the **FXL Network => Serial Ports** option on the upper toolbar.



On the screen that opens, click on the + button and select COM1 from the drop-down menu.

Once the COM1 port has been added, select it and right click on the name COM1 and a menu will come up, where we select **Stablish System Port**.

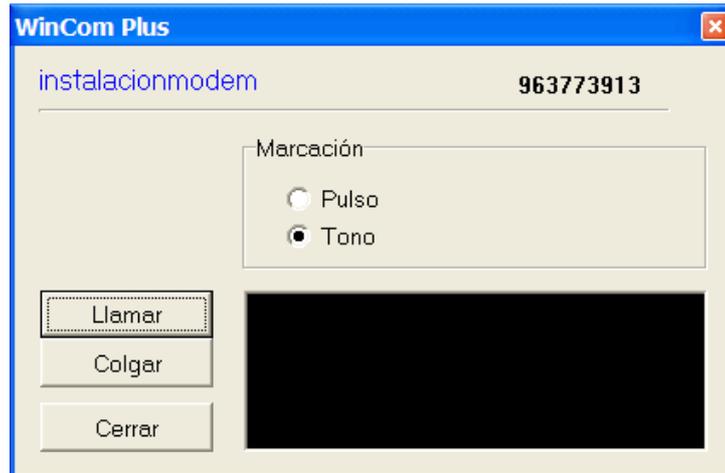


Once the port has been set up, and without leaving the **FXL Network** section, select the **Installation Connection** option.

Select the *modem* option and enter the telephone number that the receiver modem will be connected to in the white box. Now, press **OK** and exit this screen.

As we already have the program set up for communication by modem, press on the telephone icon located on the right of the WincomPlus main screen. After pressing the call button, you will be able to establish the call and communicate with the central just as if you were connected directly, but at a lower speed.





- **Internal Modem**

The process is exactly the same as in the previous case, except that we will need to know which port is occupying our internal modem.

To find out, go to **Start => Control Panel => Telephone and Modem Options => Modems**. From then on, simply follow the steps described previously.

4. Remarks

If using another model of modem that is not U.S. Robotic 56K Fax Modem, it will be necessary to configure it by means of the corresponding AT parameters to obtain suitable communication speeds, since the parameters previously recommended may not coincide.