PlantVisorPRO Remoto

GB

Quick guide

LEGGI E CONSERVA QUESTE ISTRUZIONI
READ AND SAVE THESE INSTRUCTIONS

Technology & Evolution

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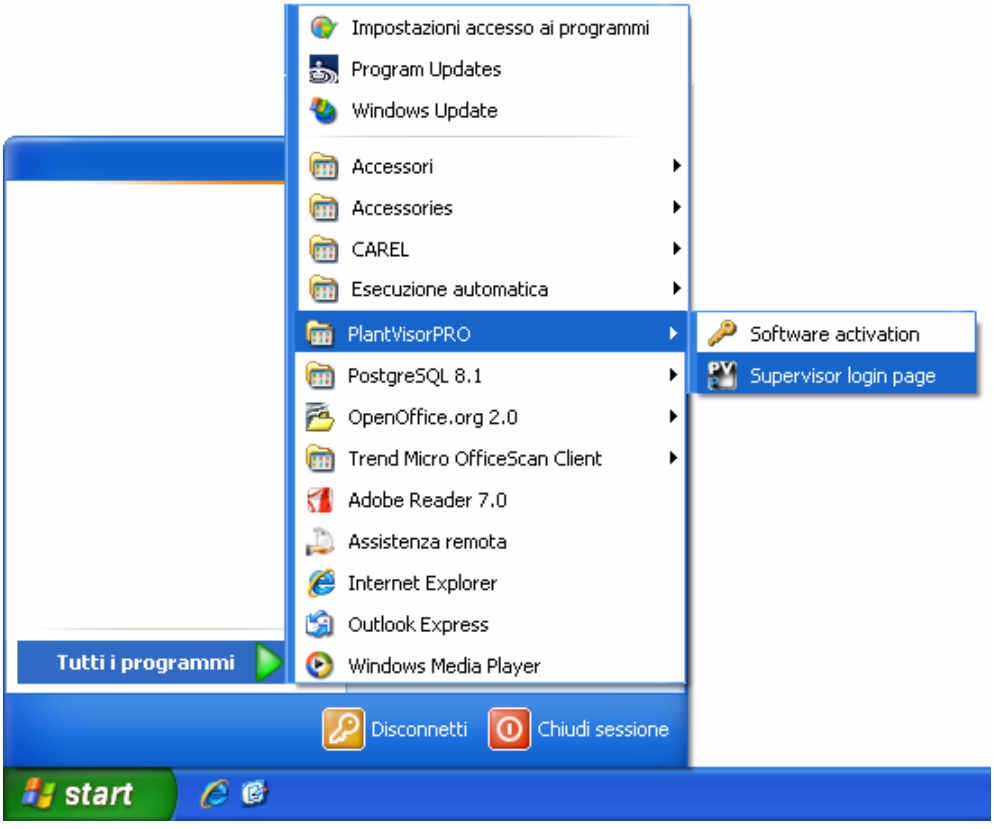
1. Access to the supervisor

In order to access the PlantVisorPRO Remoto visualise the following page in the browser.

To do this select “Supervisor login page” link from the Windows “Start” menu in the Programmi/PlantVisorPRO page.



1.1. Authentication in the system

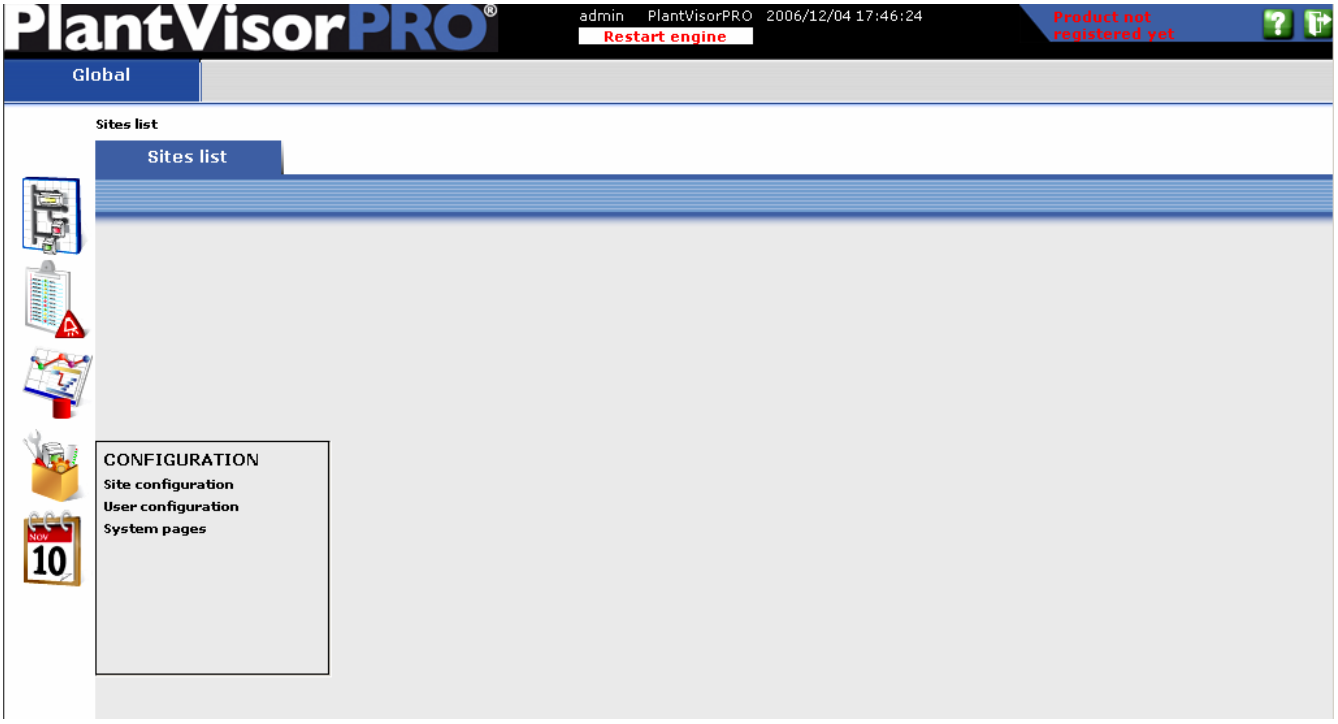
To access PlantVisorPRO introduce:
User admin
Password admin
(only use lower-case characters)
And click on the “Login” key to confirm access:

the following page will appear:

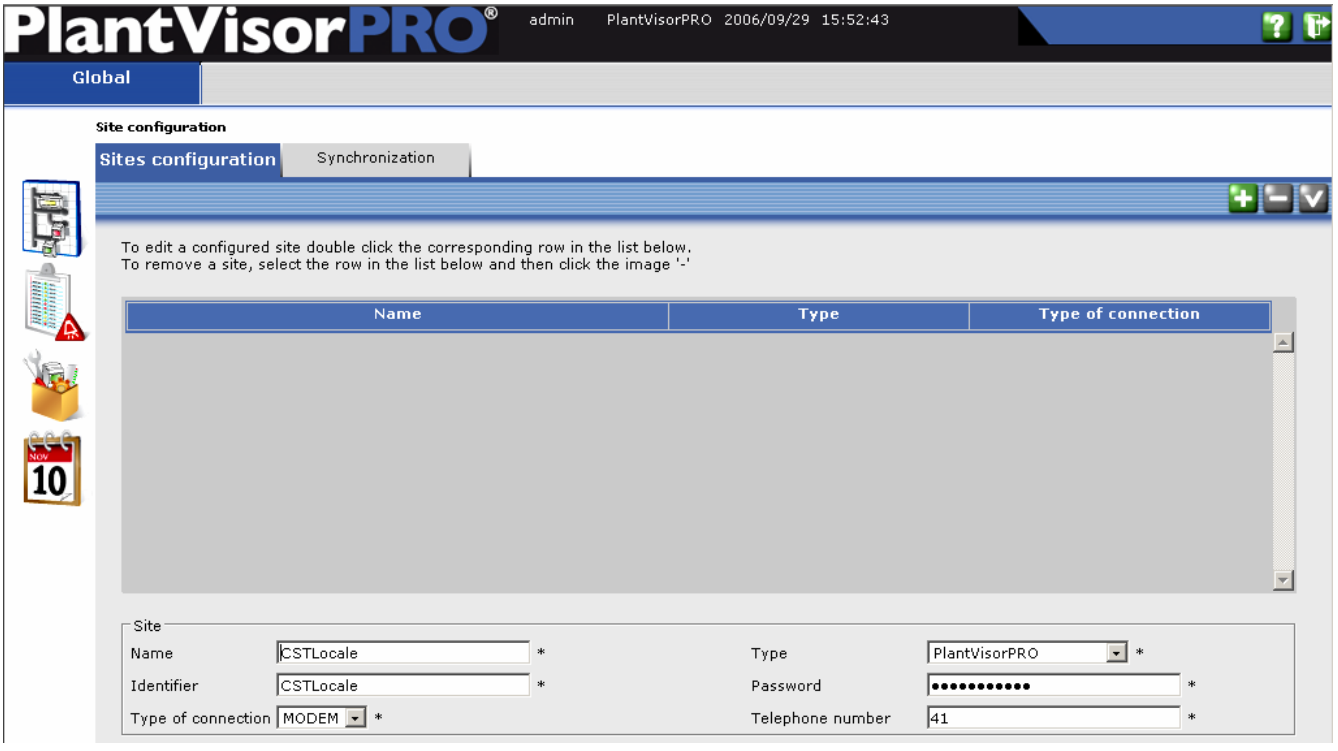
2. Configuration of plant sites

Plant configuration is obtained by setting the sites.
Each local site can be connected to PlantVisorPRO Remoto by means of a modem and if the local site is the PlantVisorPRO type also by the computer LAN.

To configure the plant place the mouse arrow on the icon
A menu will appear; select “Sites configuration”.



The following page will be visualised:



Introduce a name that identifies the site to be supervised into the “Name” field.

Select the type of site to be supervised from the “Type” field:

- PlantVisor Enhanced: if the local site is a PlantVisor Enhanced installation
- PlantVisorPRO: if the local site is a PlantVisorPRO installation

Introduce site identification of the site to be supervised into the "Identification" field.

Introduce the password of the site being configured into the "Password" field.

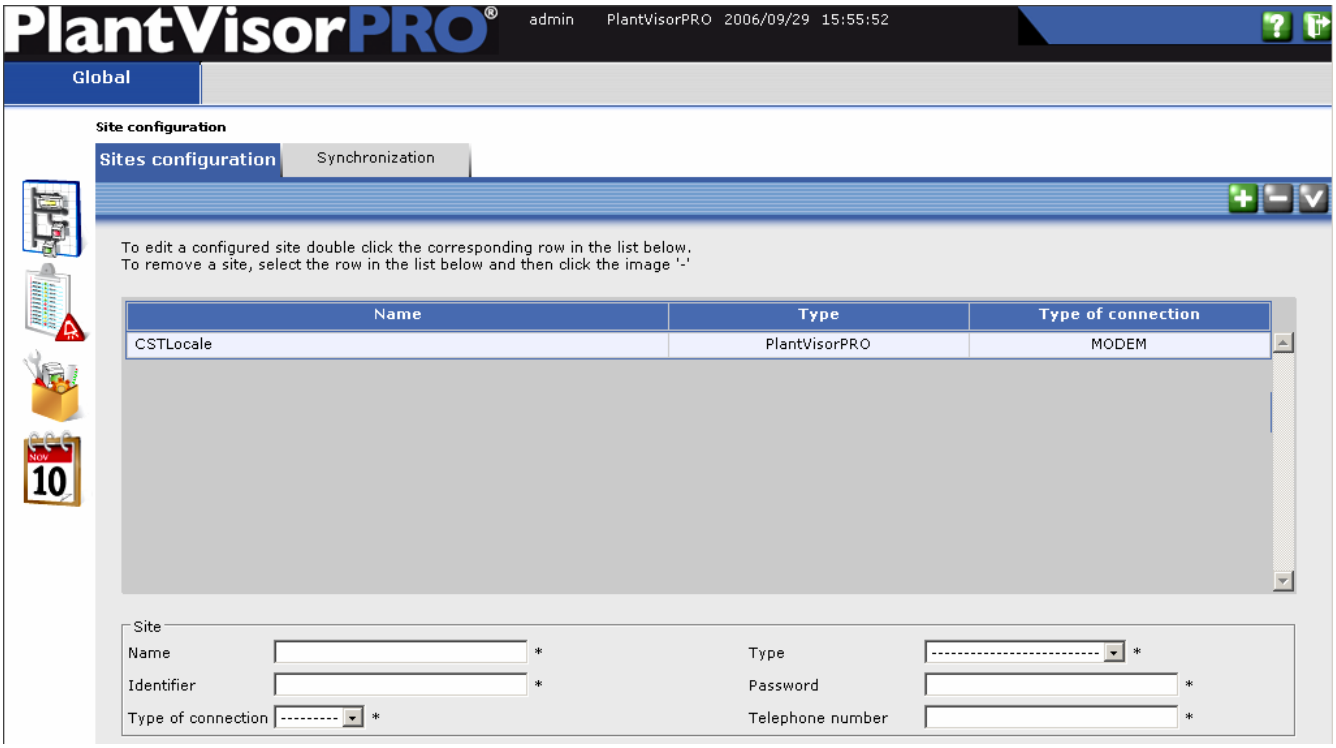
The “Type of connection” field is used to select the type of connection used by the site for communication:

- “MODEM” if the local site is connected to a telephone line by means of a modem
- “LAN” if the local site is connected by LAN (e.g. a company network). This type of connection is only available if the local site is the PlantVisorPRO type.

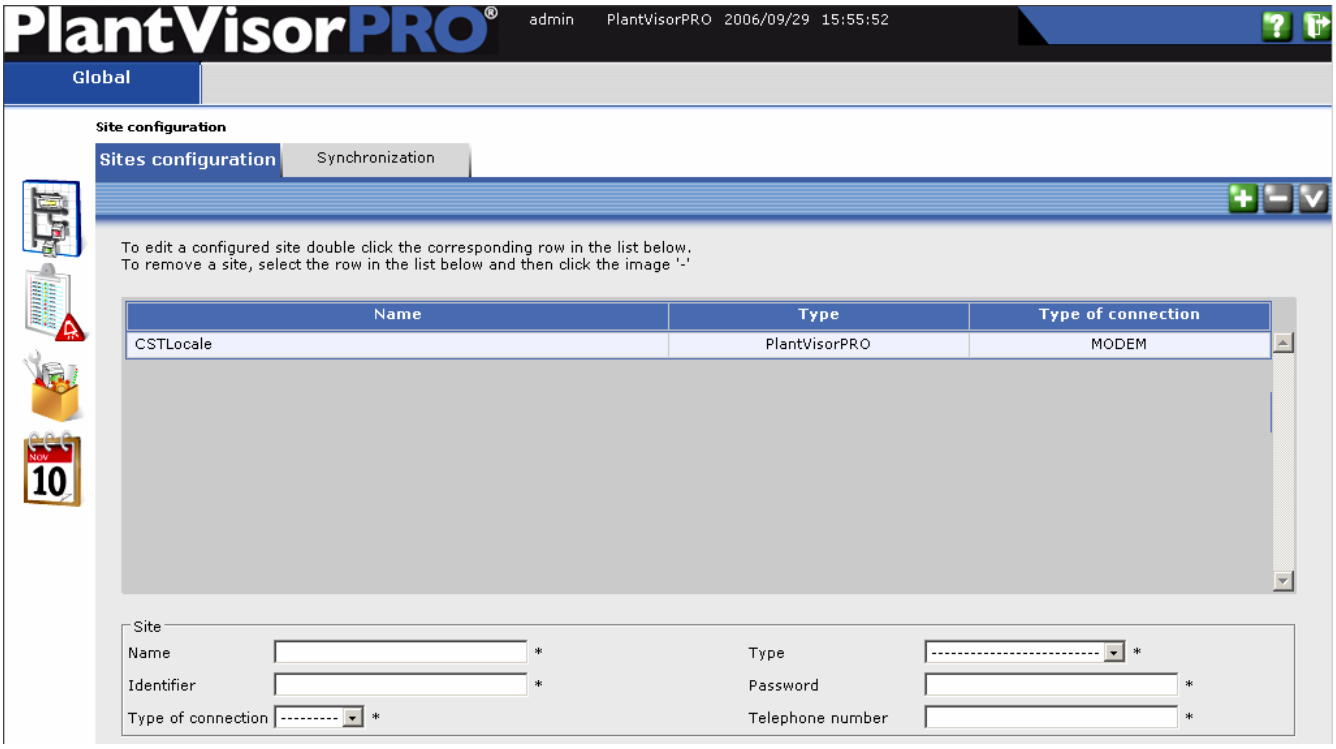
If the type of connection selected is “modem” the telephone number to which the local site modem is connected must be introduced into the “Telephone” field.
If the type of connection selected is “LAN” then the local site IP address must be introduced into the “server IP” field.

To save the settings click on .

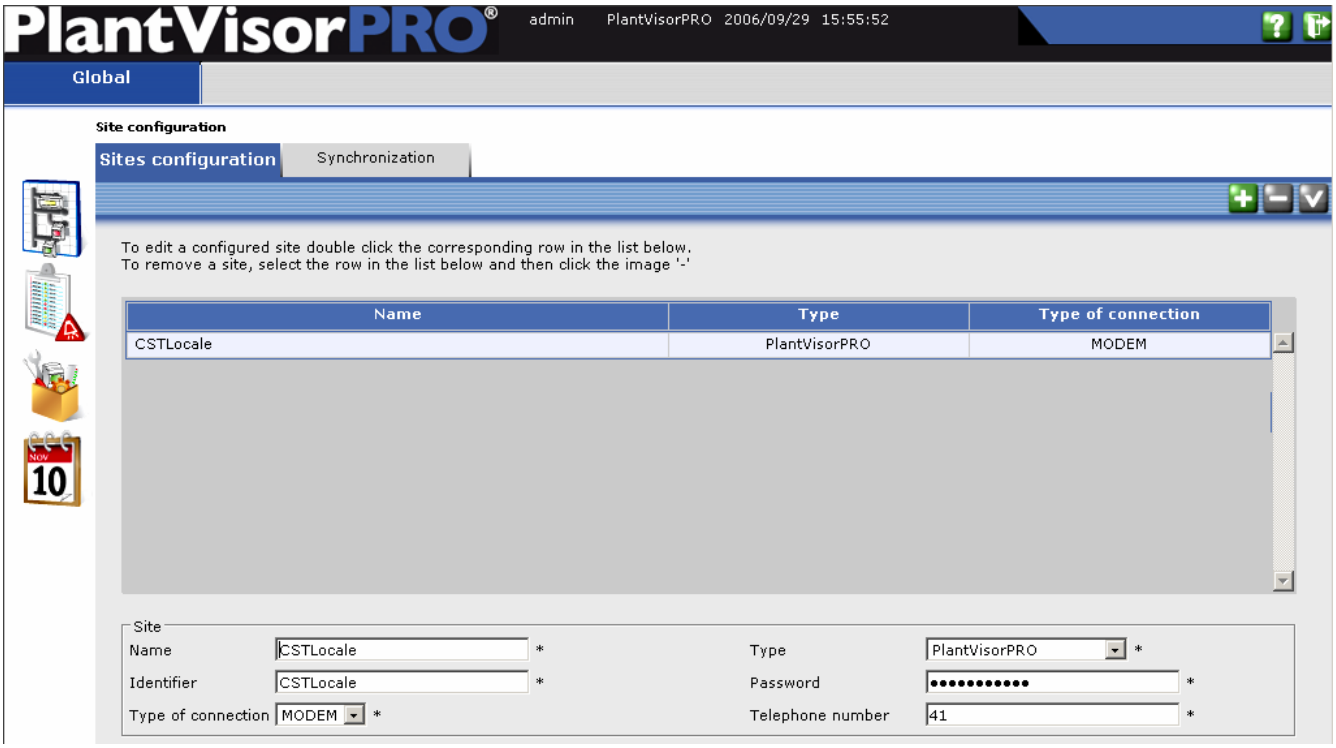
The following page will open:



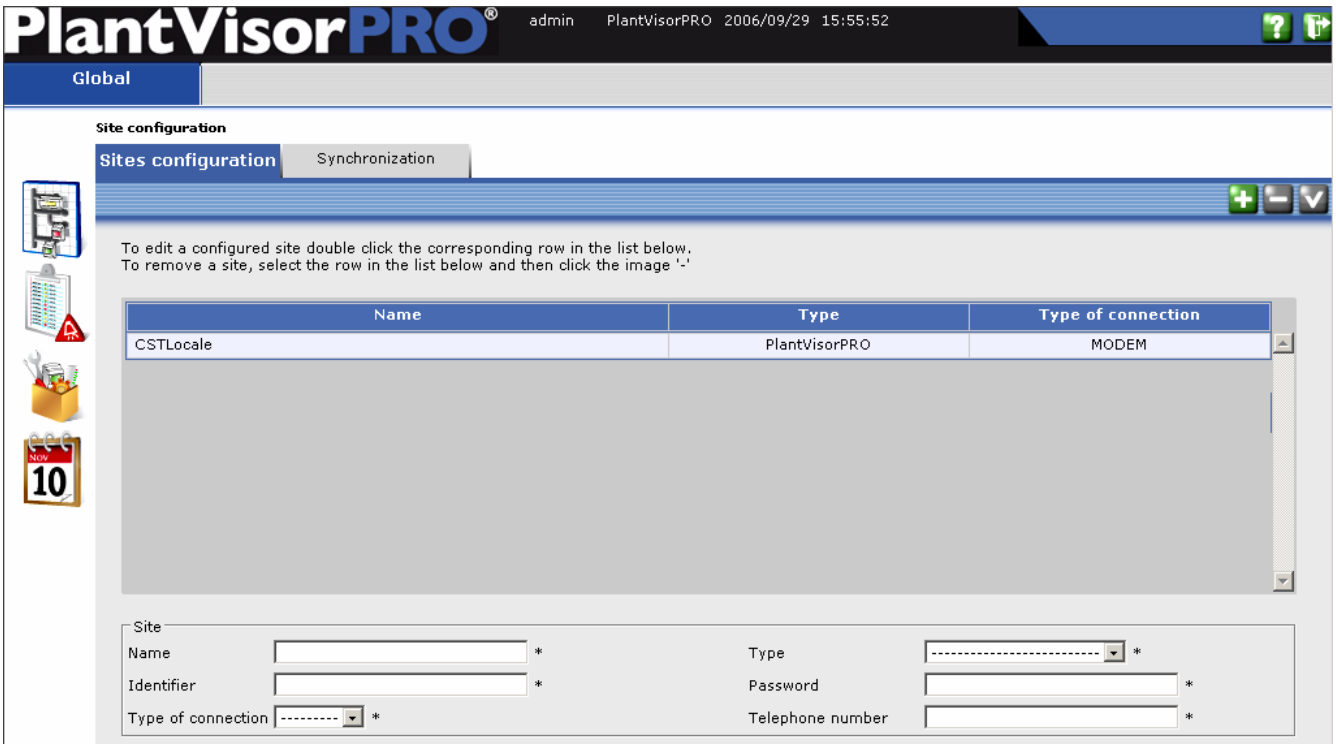
3. Modify site settings



To modify the settings of a site double click on the line to which the site belongs, the fields will fill with the data regarding the selected site.

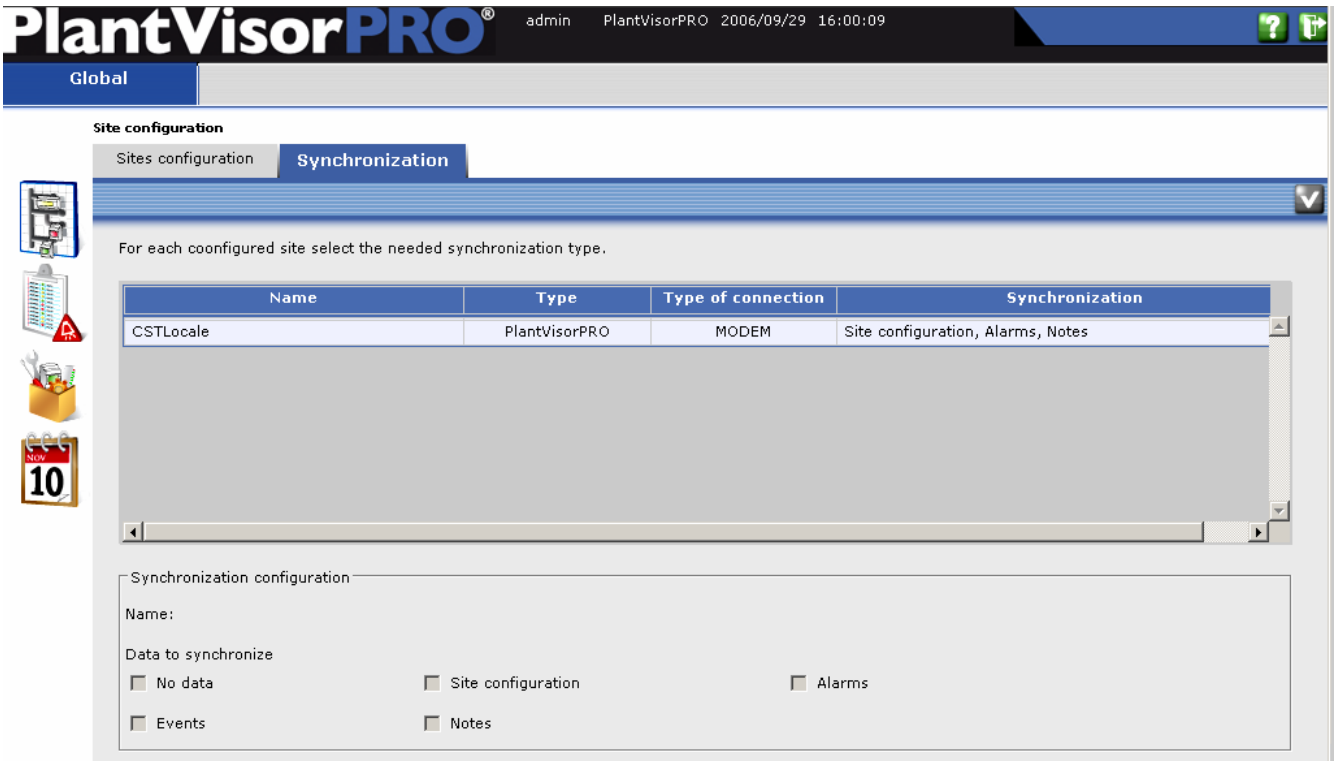


Modify the fields to be corrected and click .

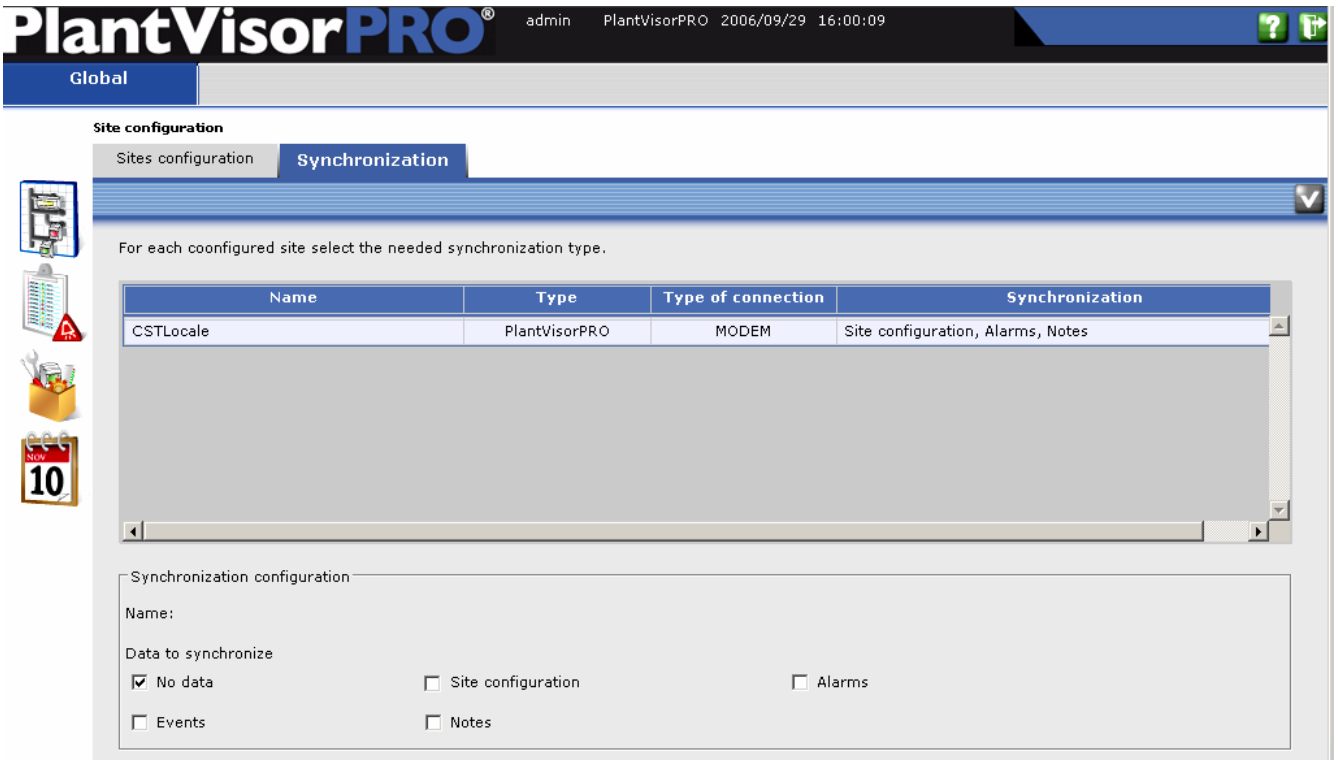


3.1. Setting the synchronisation modes of a site

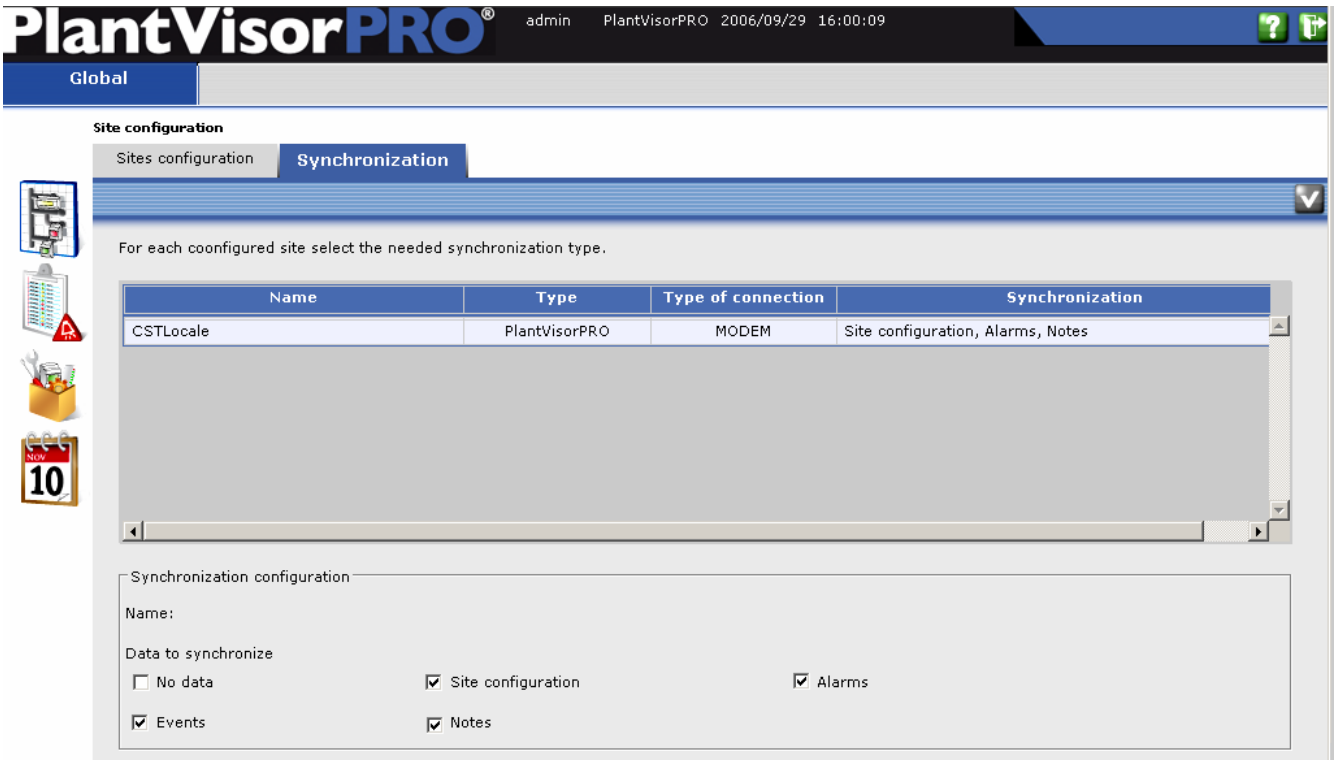
In order to set the synchronisation modes of a site select the “Synchronisation” tab.
The following page will be visualised.



Select the site whose synchronisation must be configured using a double click.

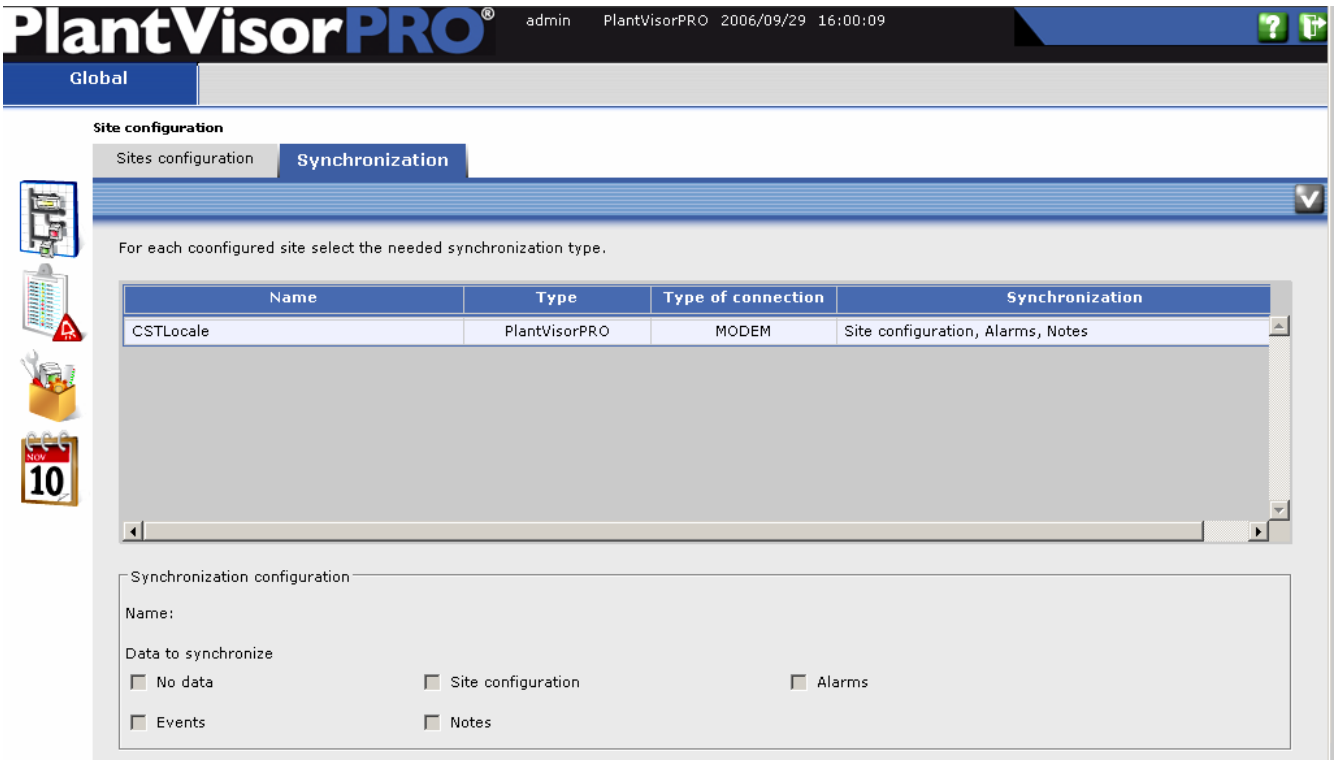


Select the items relative to the data to be synchronised in the “Synchronisation Configuration” area.
For example if all of the events, notes and alarms of the refrigerated counter are to be controlled by the remote supervisor it is necessary to select the “Events” and “Notes” and “Alarms” boxes.



Note that if anything else but “No Data” is selected the “Site Configuration” item will always be selected.

To save the settings click .


PlantVisorPRO
admin
PlantVisorPRO 2006/09/29 16:00:09
Global
Site configuration
Sites configuration
Synchronization
For each coonfigured site select the needed synchronization type.
Name
Type
Type of connection
Synchronization
CSTLocale
PlantVisorPRO
MODEM
Site configuration, Alarms, Notes
Synchronization configuration
Name:
Data to synchronize
No data
Site configuration
Alarms
Events
Notes

4. Scheduler

4.1. Configuration of the I/O peripherals

All functions that allow the supervisor to communicate with the outside can be configured by means of configuration of the I/O peripherals. These are:
- Fax: set a modem Fax in order to send any alarms or reports
- SMS: set a modem (GSM or analogical) to send any alarms by means of an SMS message
- E-mail: set an electronic post box in order to send any alarms or reports by e-mail
- RAS: (Remote Access Service) set a connection to a local supervisor
- Window: set a noise that the computer, where the PlantVisorPRO supervisor is installed, will make when the alarm window is visualised

To set the configuration of the Input/Output peripherals of the supervisor select “Configuration of I/O peripherals” from the “Scheduler” menu

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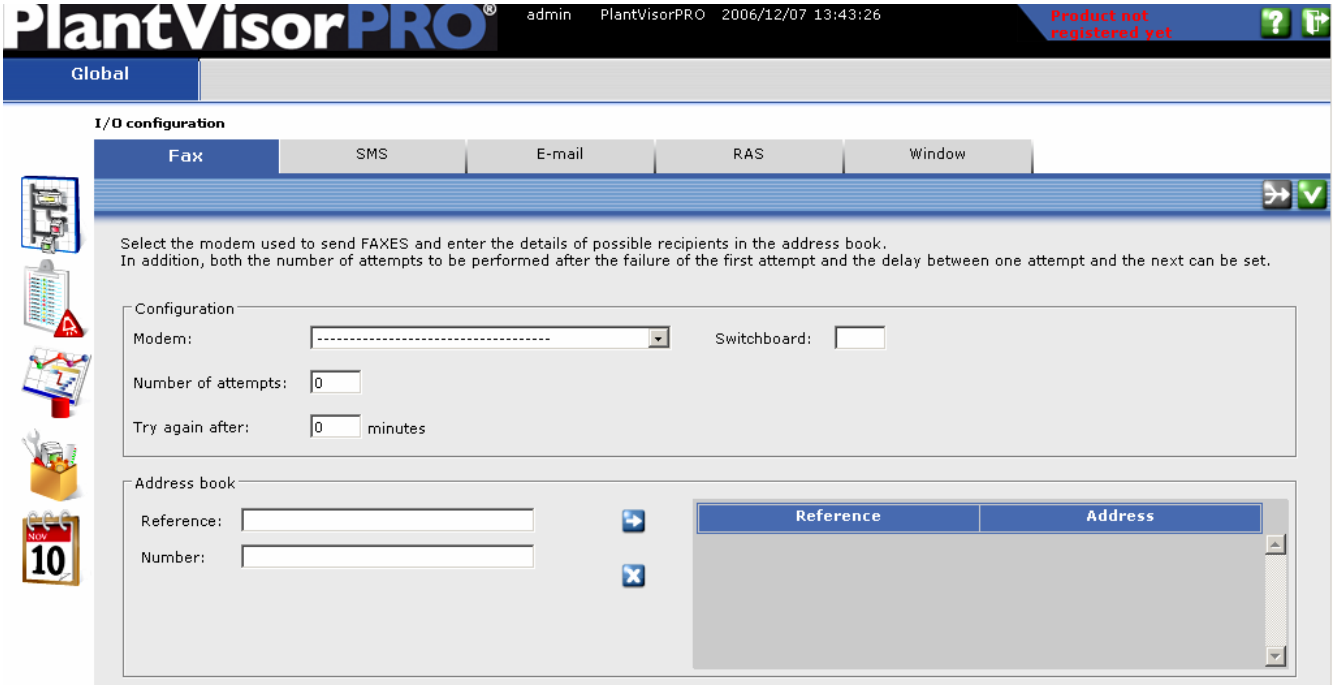
The following page will open:



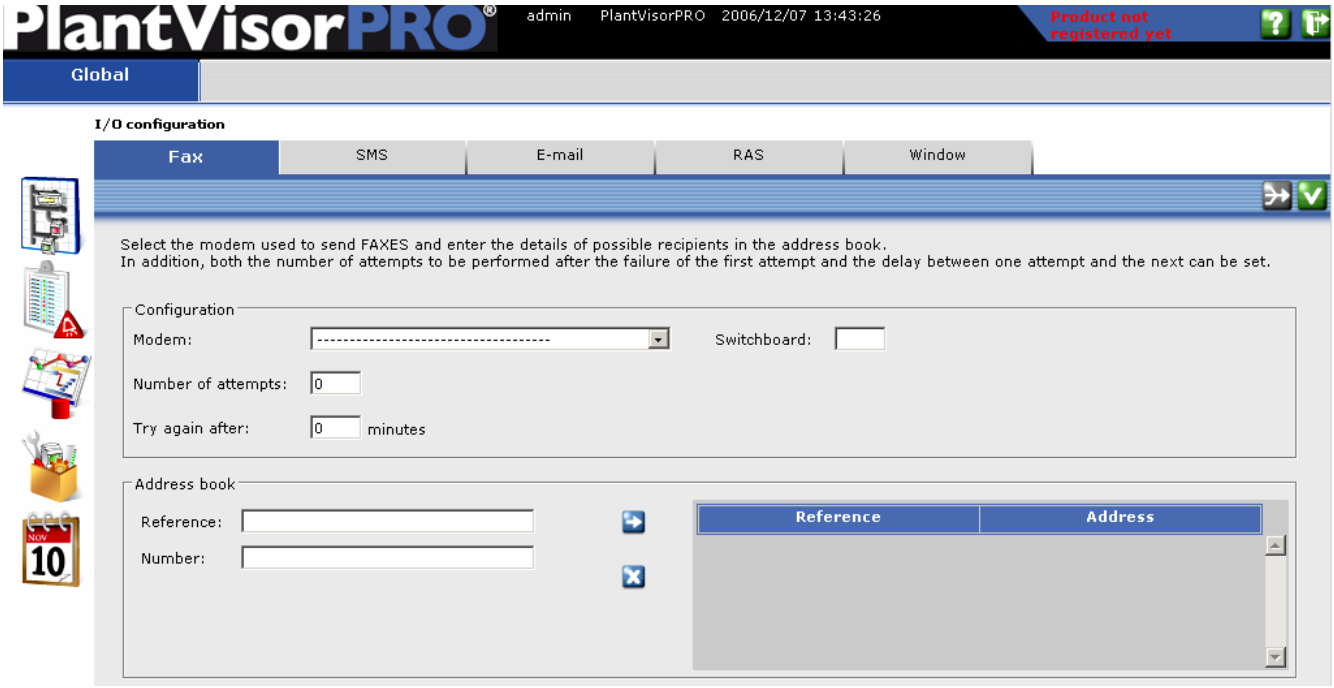
Important note: for Fax, SMS and E-mail, using the button on these pages, an action can be created for sending the scheduled alarm, via peripheral, to all the numbers or addresses set in the address book.

Example:

If the fax modem has two numbers in the address book, pressing creates the “Fax-Action” in the scheduler, meaning the alarm fax will be sent to these 2 numbers via modem.

4.1.1. Setting the modem to send fax

In order to set the modem for use as a fax machine select the "Fax" tab:



There are 4 fields in the "Configuration" area:

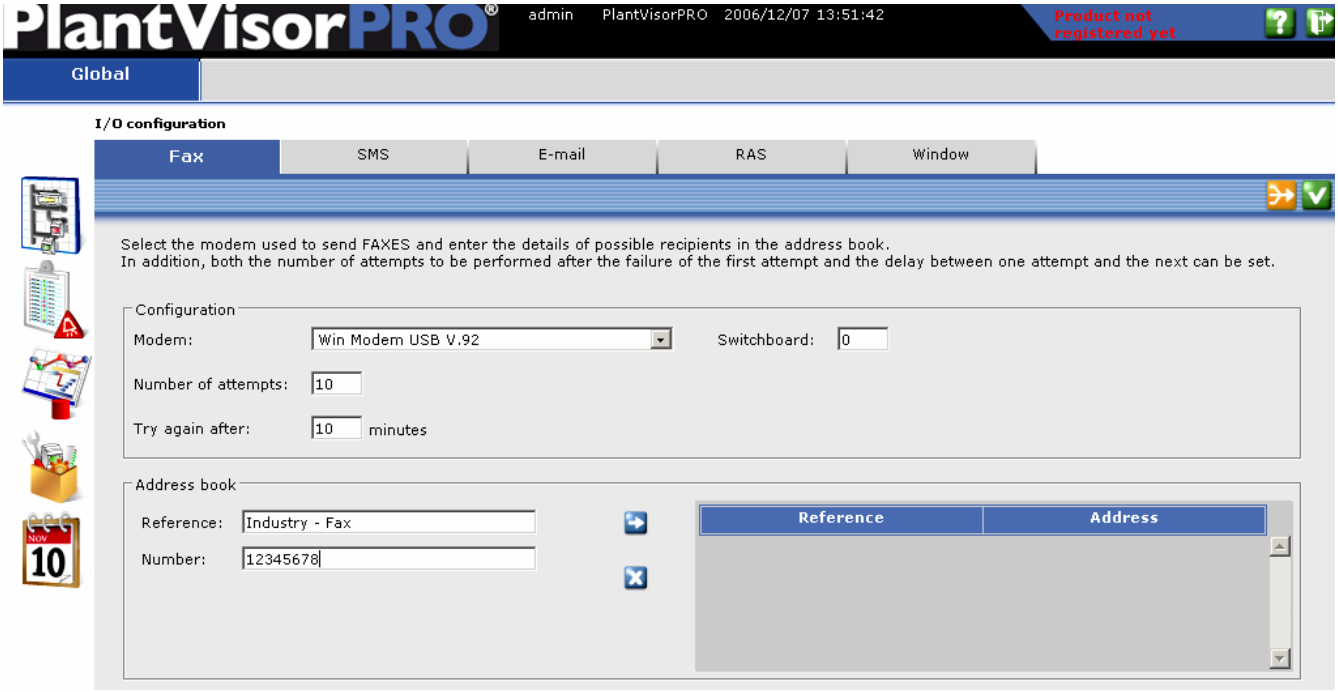
- Modem: this field is used to select one of the modems installed on the supervisor computer. This modem will be used to send fax.
- Switchboard (optional): the number that allows external calls to be made, if the modem telephone line passes through a switchboard, must b set in this field.
- Number of attempts: In this field set the number of attempts, successive to the first, that the supervisor will make to send a fax if the first attempt failed.
- Try again later: Set the time in minutes between one attempt and the next.

The supervisor will try and send a Fax, if the modem is occupied or there are problems during forwarding, it will wait for the set period of time and then try to send the Fax again. If it is impossible for the modem fax to forward the document, the supervisor will try as many times as those set by the user.
The re-forwarding of the Fax will end with the success of forwarding or expiry of the number of attempts.

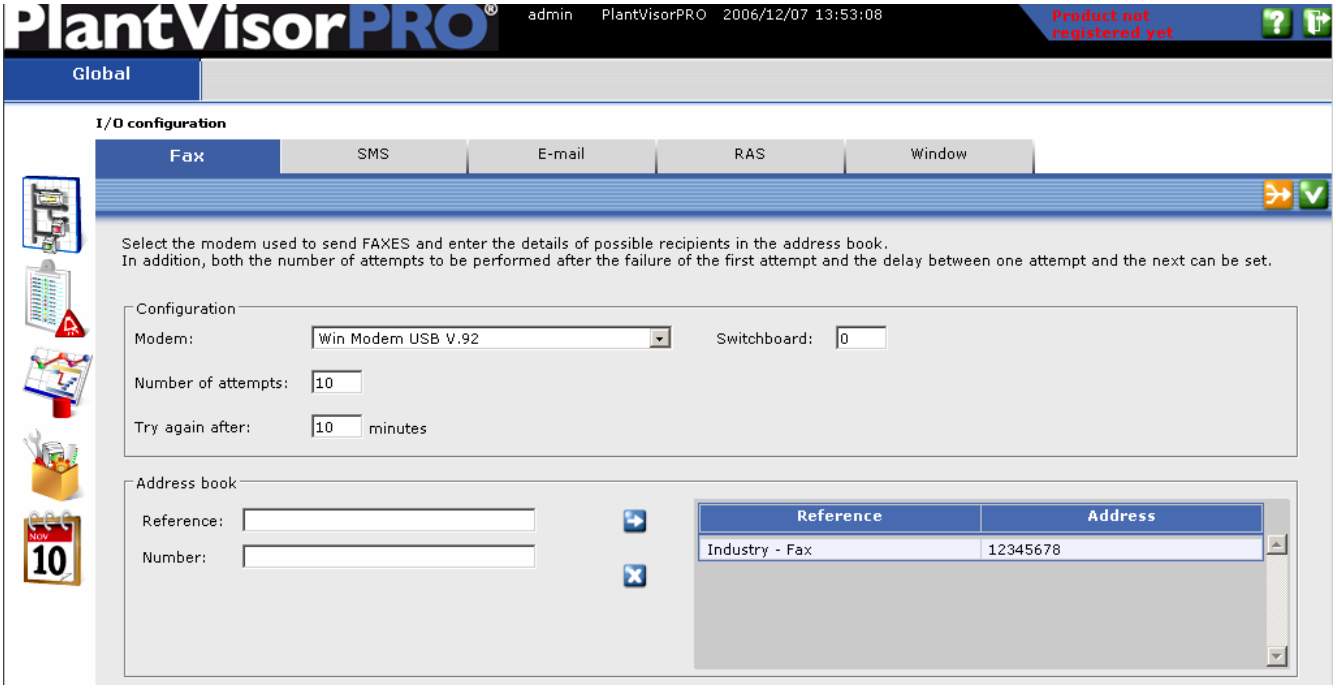
Note: if the amount of attempts is set at zero, the supervisor will only try to send the Fax once.

Set the numbers that the fax machine must use in the "Address book" area.

In order to add an item introduce a mnemonic name of the fax number into the “Reference” field then introduce the fax number into the “Address” field.



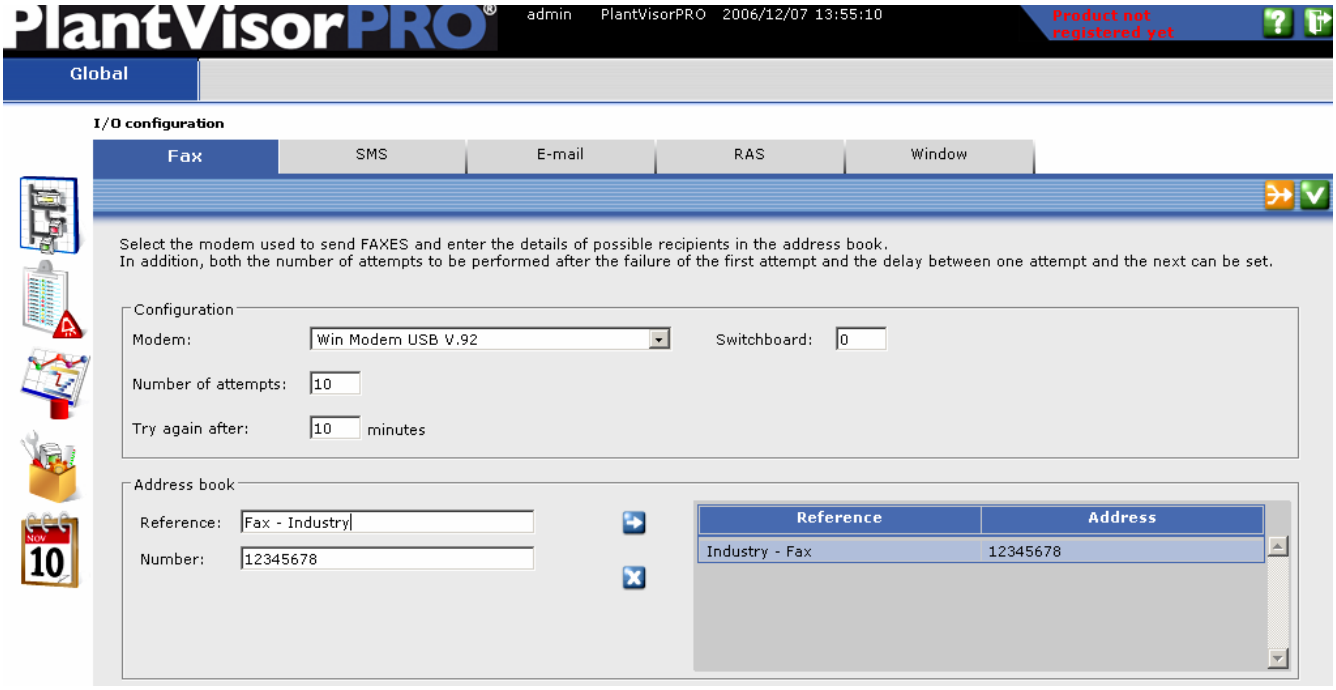
Click on.
The address book will be updated.



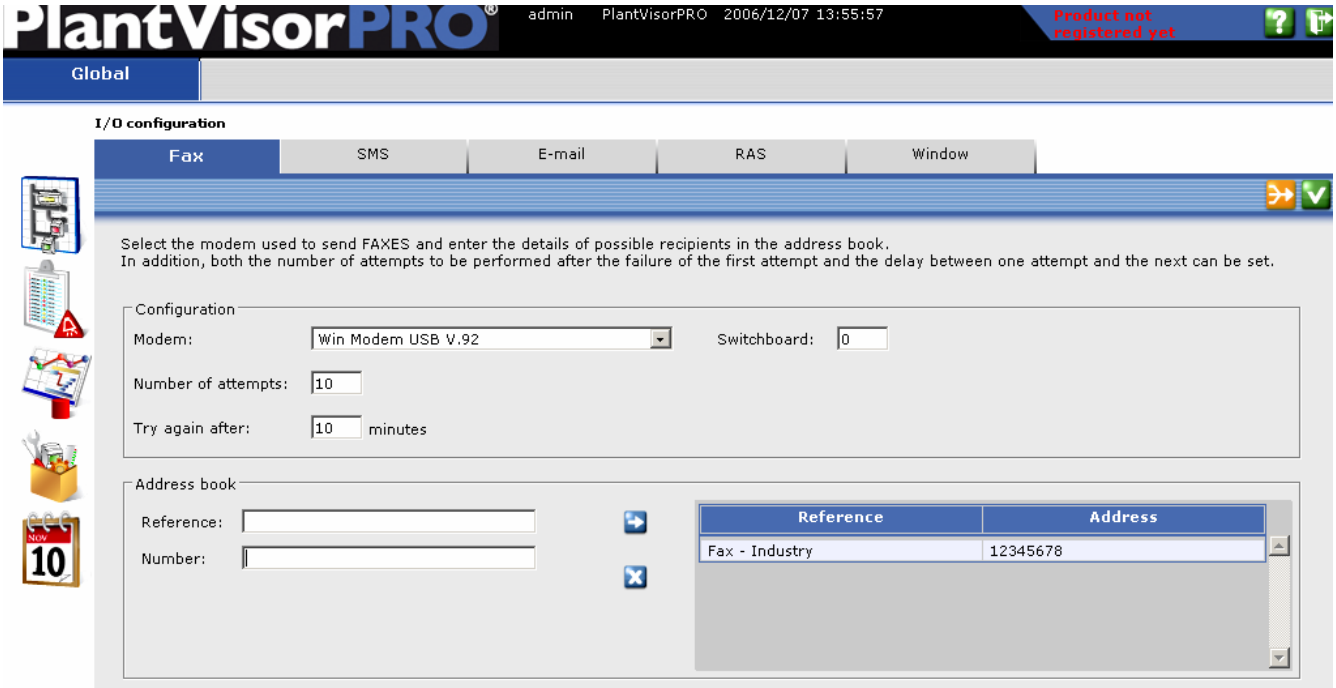
Click on.
The settings will be saved.

4.1.2. Modifying an item in the Fax "Address book"

If an item in the "Address book" must be modified, select the item by double clicking and modify the desired fields.



Click on .



Click on to save the modifications.

4.1.3. Setting the modem to send SMS

In order to set the modem to send SMS select the "SMS" tab.

There are 7 fields in the "Configuration" area:

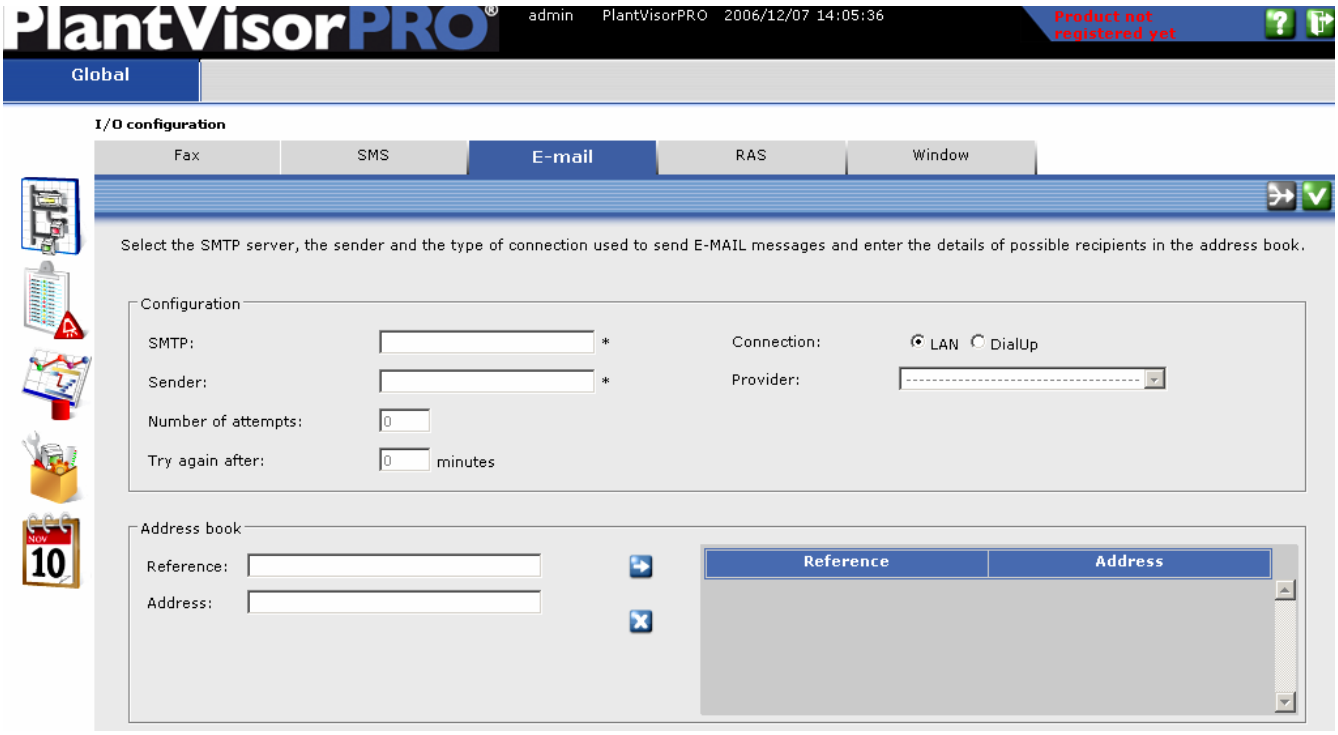
- Modem: this field is used to select one of the modems (analogical or GSM) installed on the supervisor computer. This modem will be used to send SMS.
- Switchboard (optional): the number that allows external calls to be made, if the modem telephone line passes through a switchboard, must be set in this field.
- Type: set the type of modem ("Analogical" or "GSM") in this field. It is selected in the “modem” field.
- Provider: this field is used to select the provider that is used to send SMS.
- Call: to select if the call is international or not ("National" or "International")
- Number of attempts: In this field set the number of attempts, successive to the first, that the supervisor will make to send an SMS if the first attempt failed.
- Try again later: Set the time in minutes between one attempt and the next.

Once all of the settings have been carried out fill the address book with the numbers to which the SMS will be sent.
The numbers the supervisor will use to send SMS will be set it in the “Address book” area. This part functions exactly like the “fax” tab.

Click on to save the settings.

4.1.4. Setting the e-mail function

To set the data necessary to send an E-Mail select the "E-Mail tab"



There are 6 fields in the “Configuration” area:
- SMTP: Name of post server or the IP address supplied by the internet access provider
- Sender: sender’s e-mail address.

Attention: some post providers require a valid sender address, accepted by the post server; it is therefore necessary to obtain this information from the supplier of the post service.

- Connection: this field is used to set whether the e-mail provider is in LAN or is contacted through a modem ("DialUp")

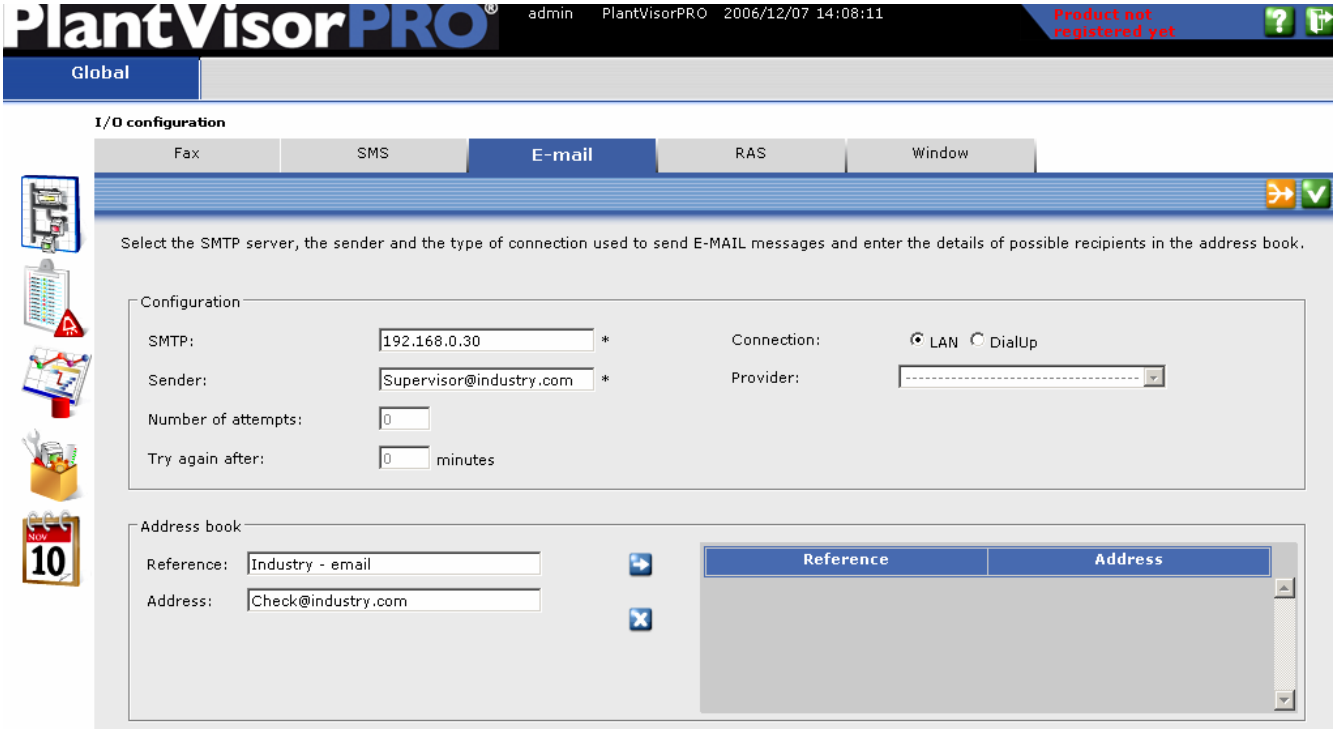
The following fields are only enabled if “DialUp" has been selected in the "Connection” field.

- Provider: this field is used to select the provider used for the connection
- Number of attempts: In this field set the number of attempts, successive to the first, that the supervisor will make to send an e-mail if the first attempt failed.

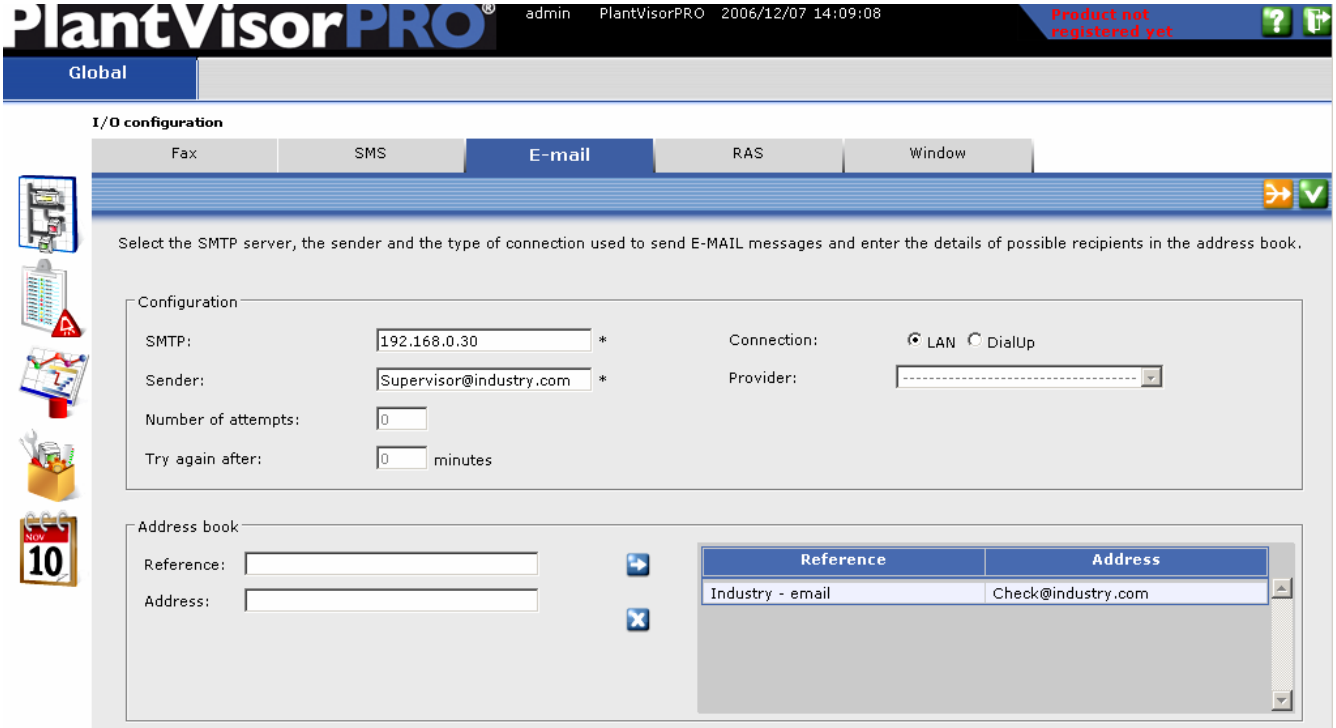
- Try again later: Set the time in minutes between one attempt and the next.

Once all of the settings have been carried out, fill in the address book with the addresses to which the e-mail will be sent.

In order to add an item introduce a mnemonic name of the e-mail address into the “Reference” field then introduce the e-mail address into the “Address” field.



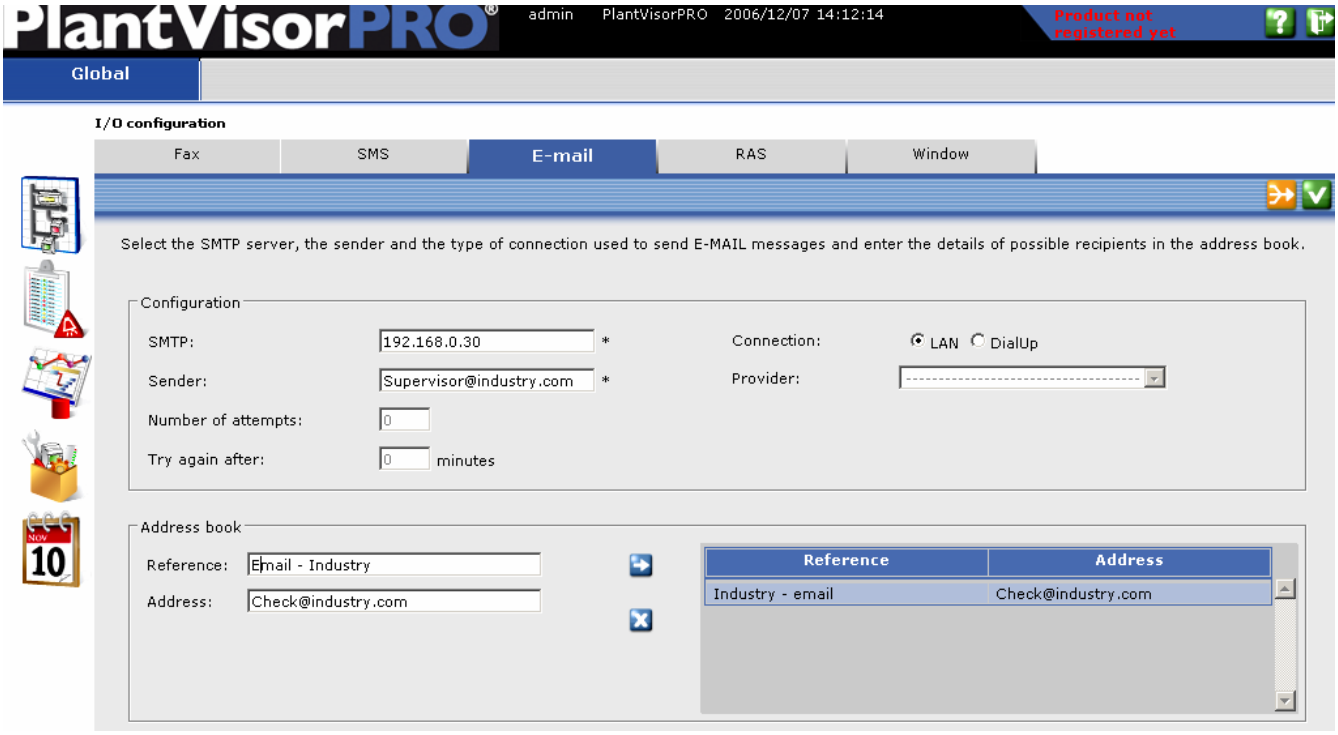
Click on .
The address book list will be updated.



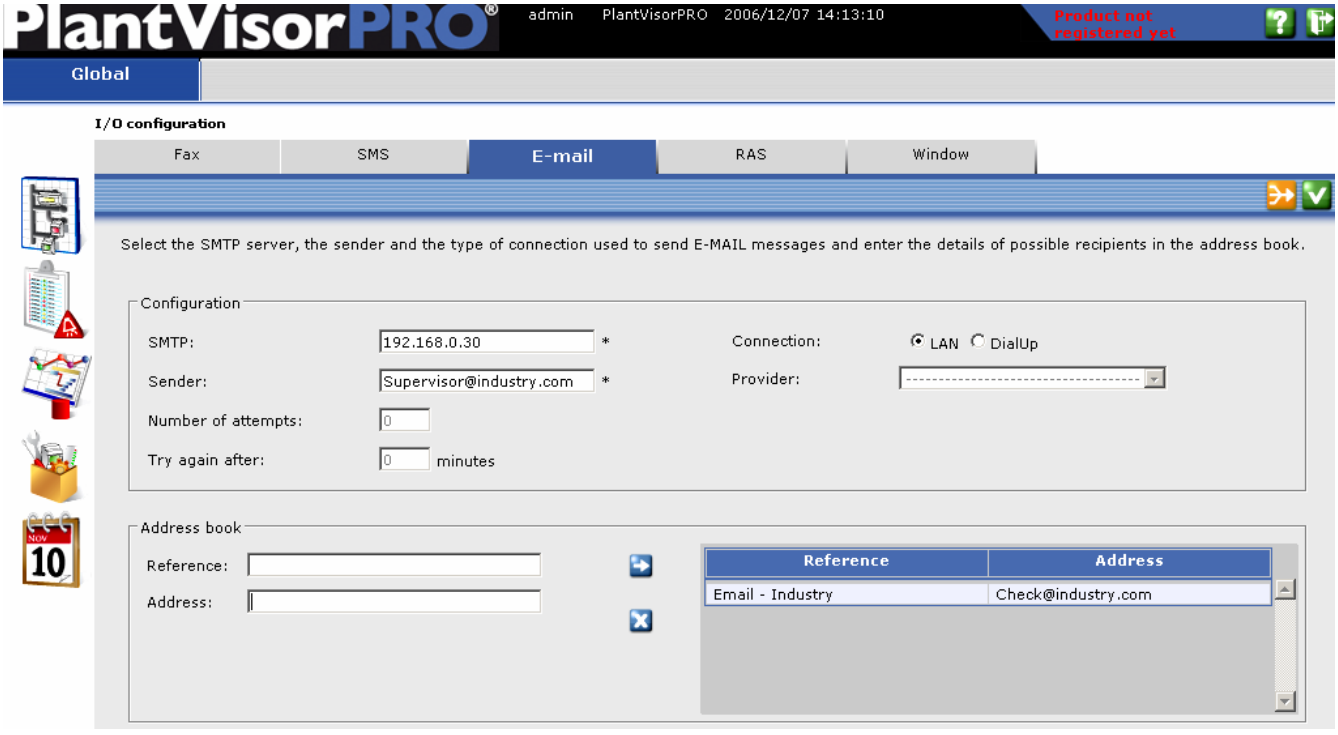
Click on to save the settings.

4.1.5. Modifying an item in the e-mail "Address book"

If an item in the "Address book" is to be modified, select the item to be modified using a double click and modify the desired fields.



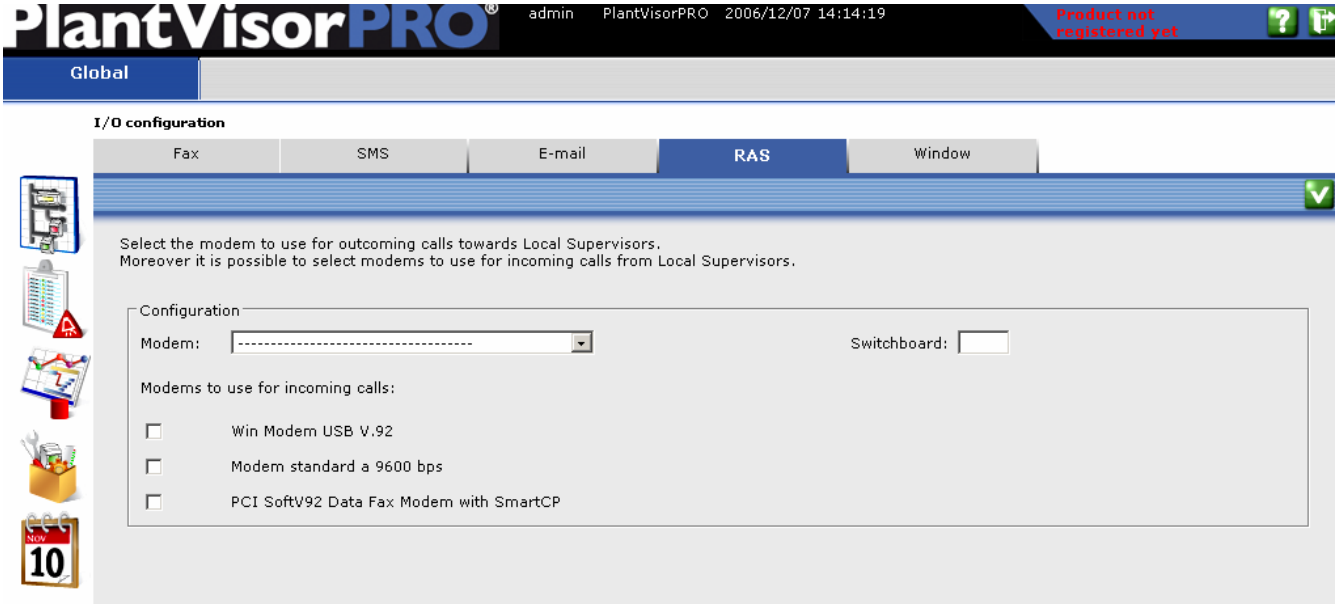
Click on .



Click on to save the settings.

4.1.6. Setting for remote calls

To set the possibility for calls to a computer select the "RAS" tab.

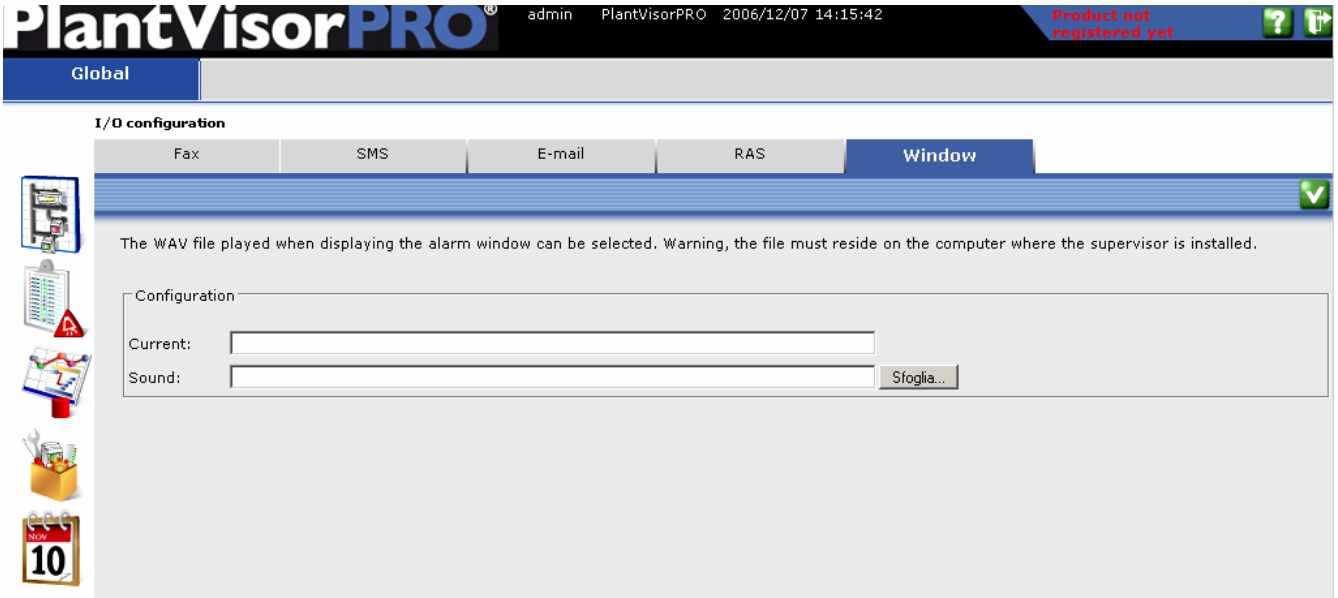


It is possible to select the modem that is to be used for calls to Local Supervisors in the “Configuration” area. The switchboard field (optional) must be used to set the number that allows calls to the outside, if the modem telephone line passes through a switchboard.
Moreover, it is possible to select the modem with which to receive calls made by the Local Supervisors themselves.

Click on to save the settings.

4.1.7. Setting the audio files to be used during the visualisation of the alarm window

Select the "Window" tab in order to set the audio file with “wav” extension to be carried out by the computer, where the supervisor is installed, during visualisation of the alarm window.



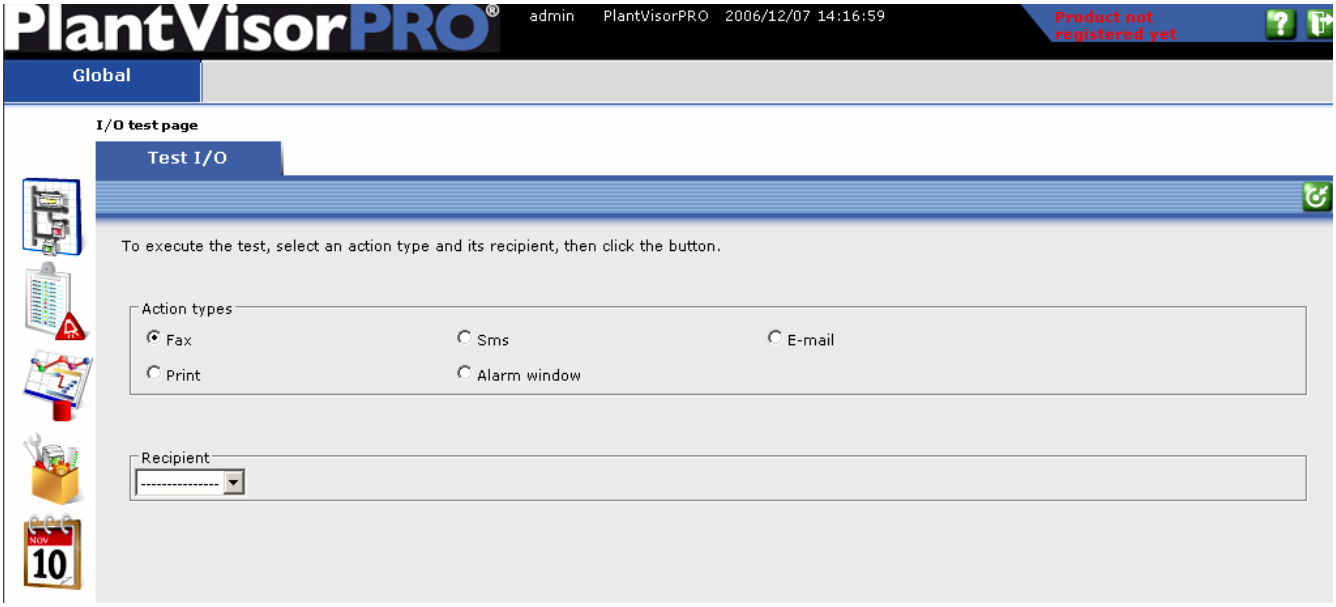
There are 2 fields in the “Configuration” area.
- Current: identifies the actual sound file configured
- Sound: Allows to use the "Browse..." button to select a sound file present in the computer where the supervisor is installed.

Click on to save the settings.

4.1.8. Checking functionality of the I/O peripherals

In order to check functionality of the Input/Output peripherals of the supervisor, select “I/O peripherals test” from the “Scheduler” menu .

The following page will be visualised.



- Select the I/O peripheral that is to be checked from the “Peripheral list” section
- Select the receiver
- Click on .

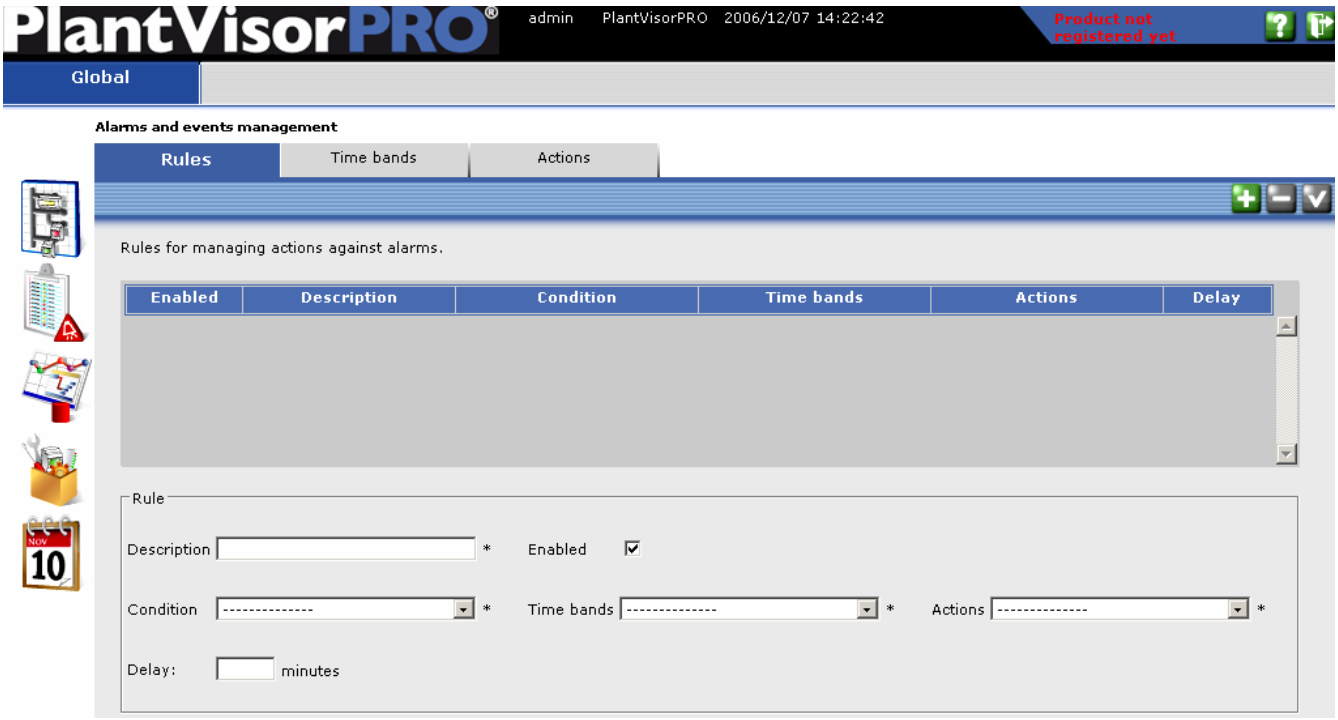
The I/O peripheral will be made to work in order to check its effective functionality

4.2. Alarm managment

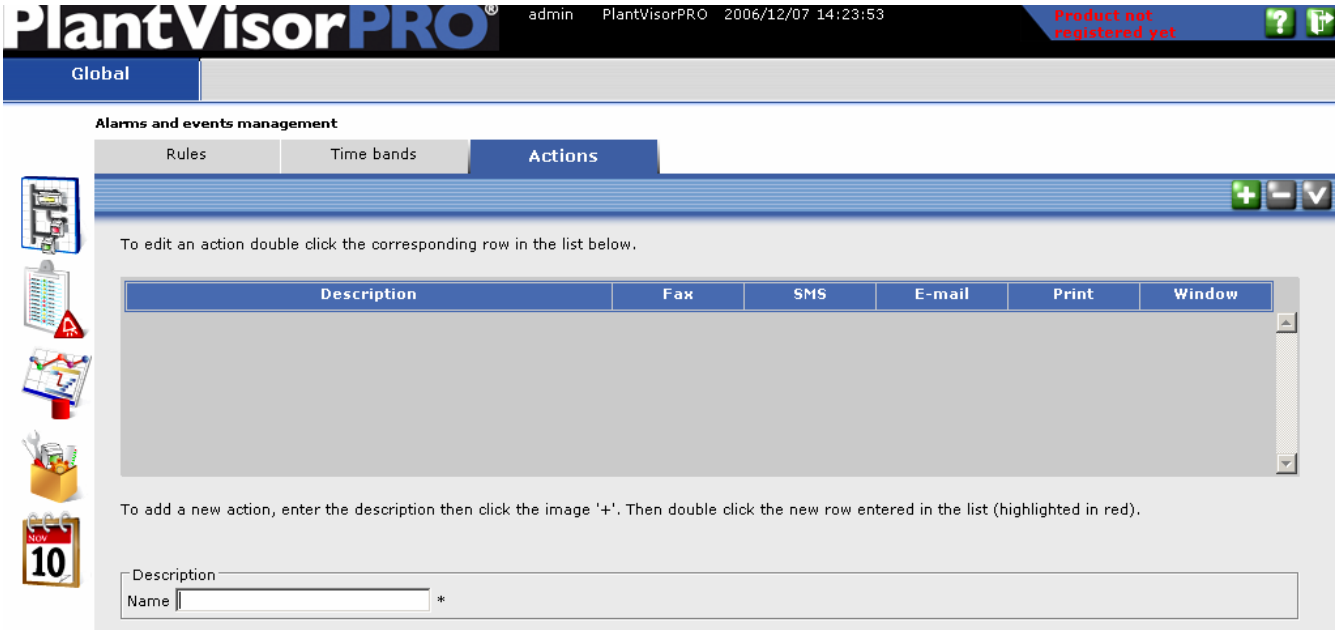
To be informed of all alarms, proceed as follows.

To set a configuration for the management of alarms and events in the supervisor select “Alarms and events management” from the “Scheduler” menu.

The following page will appear:

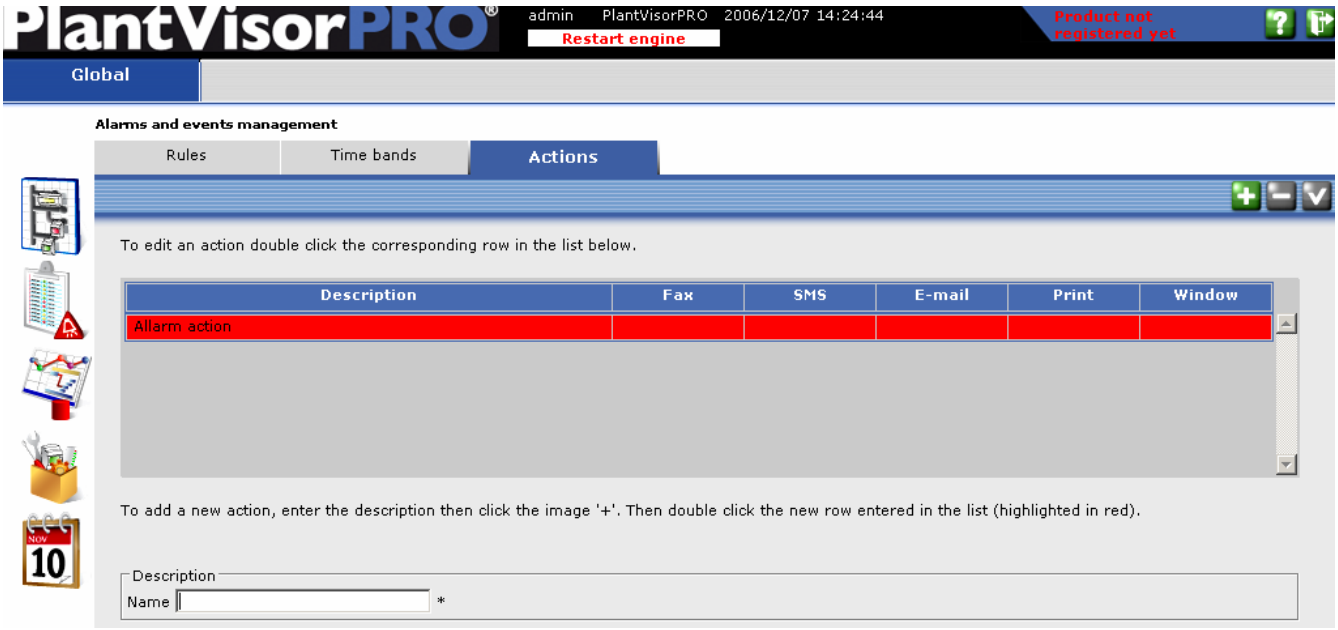


Select the “Actions” tab
The following page will appear:

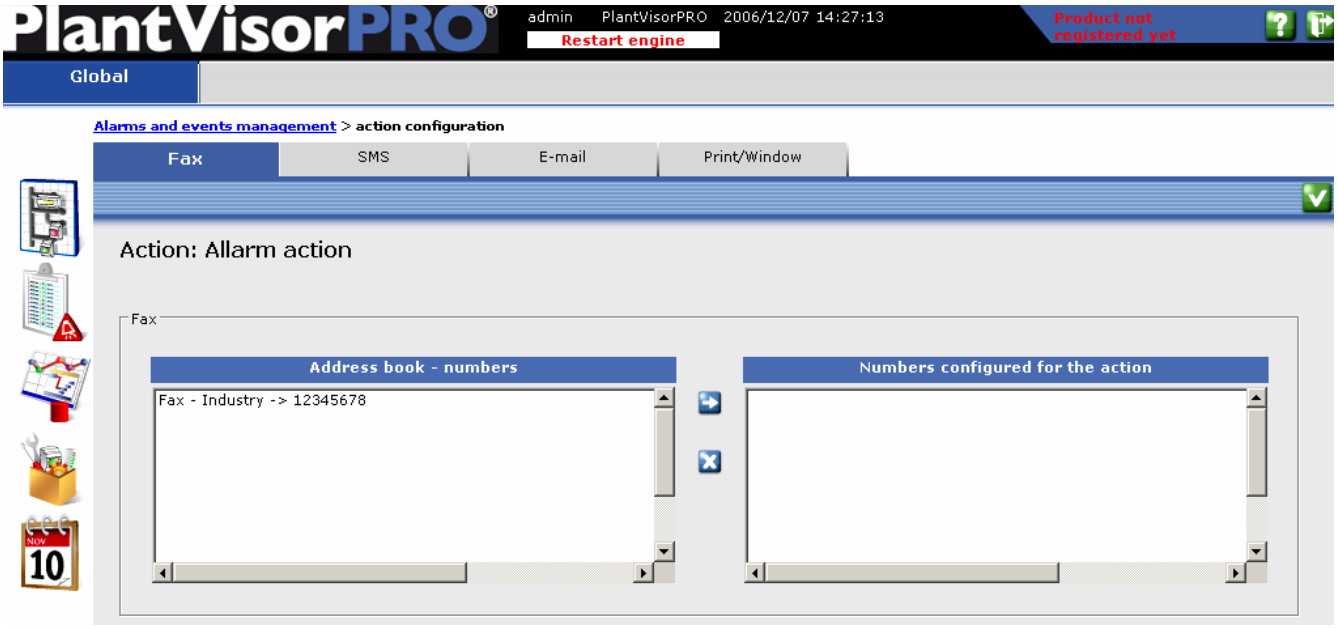


To add a new action, introduce the mnemonic description into the “Name” field (e.g.: “Alarm actions”) then click on .
The settings will be saved.

Successively, double click the new line in the list (red) which has been introduced. In this way it is possible to set the type of functionality for this action.



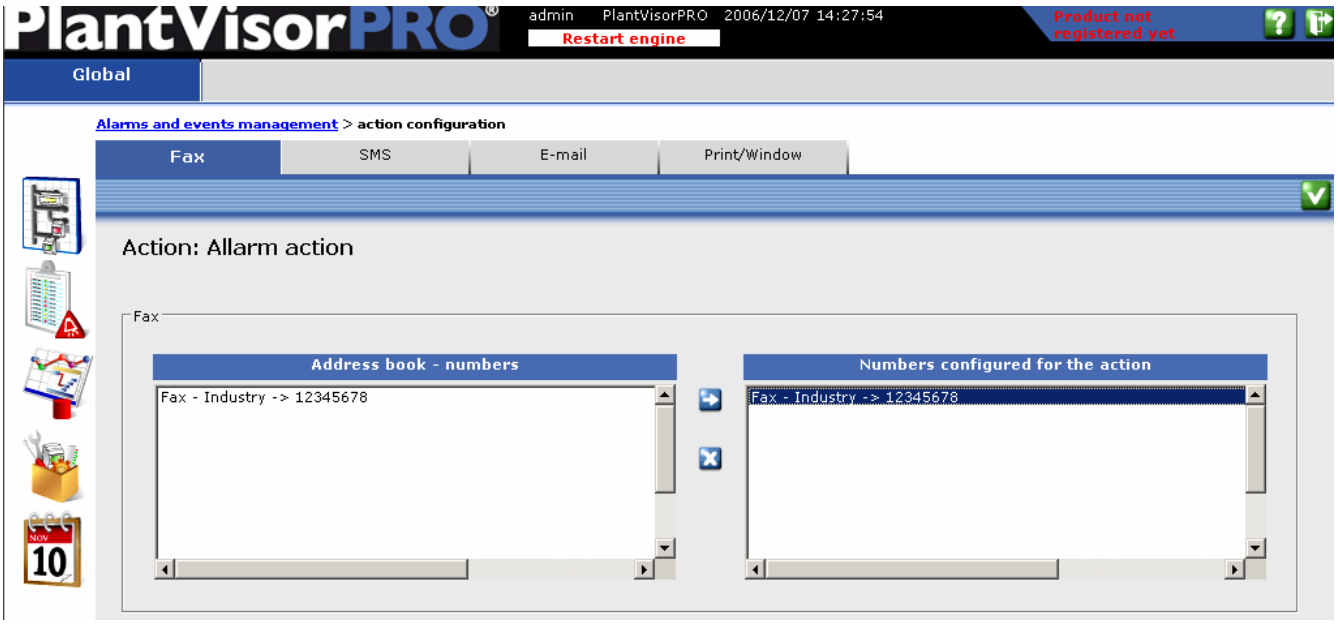
Double click on the red line in the list of actions and the following page will open.



Suppose that it is necessary to set the sending of a fax and the visualization of the alarm display (for the explanation of all other settings refer to the PlantVisorPRO “Full User Manual”).
The “Number list” table in the “Fax” section contains the address book that was set when the fax modem was configured (see “Configuration of I/O peripherals” chapter, “Setting the modem to send fax” sub-chapters).

Introduce the address boo items of interest by selecting them and clicking on .

Click on to save the settings.

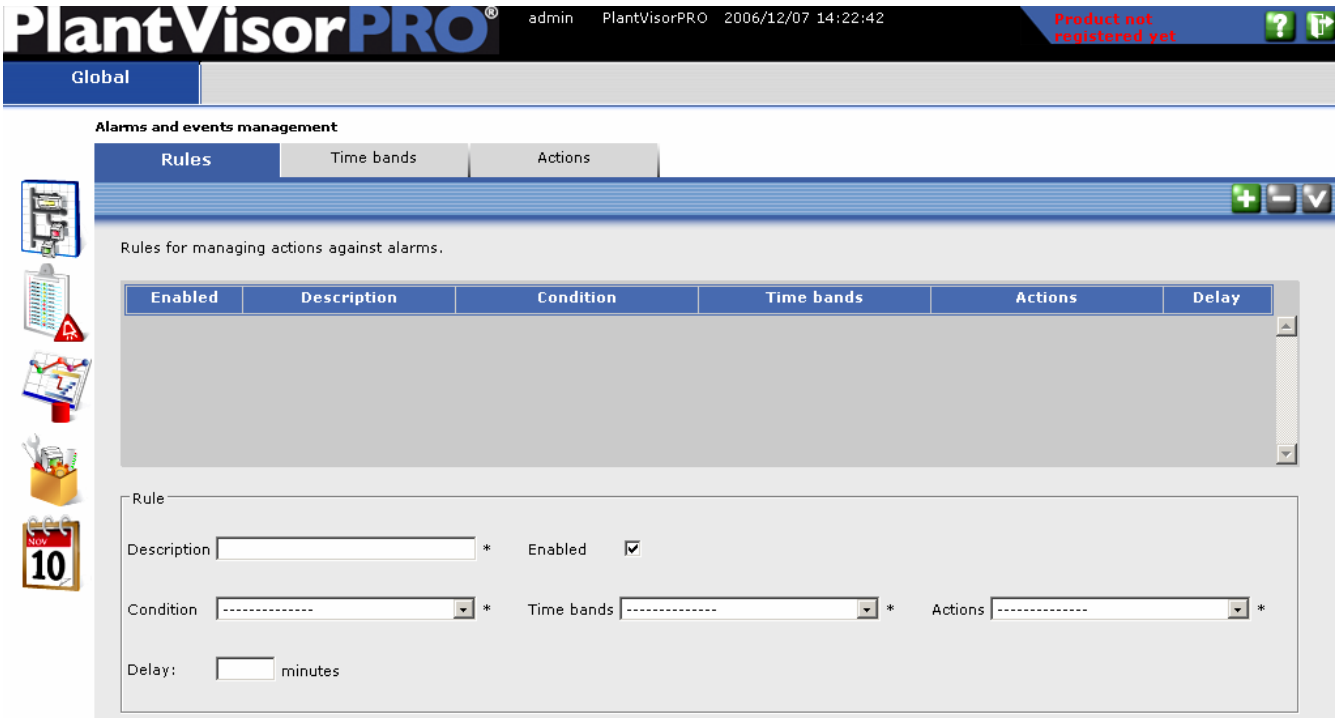


To return to the action setting page click on the “Alarm and events management” link that is positioned above the Tab:

.

The line in the list of actions, which was previously red, is no longer this colour and has ticks corresponding to the types of action set, see in this example the “Fax” columns.

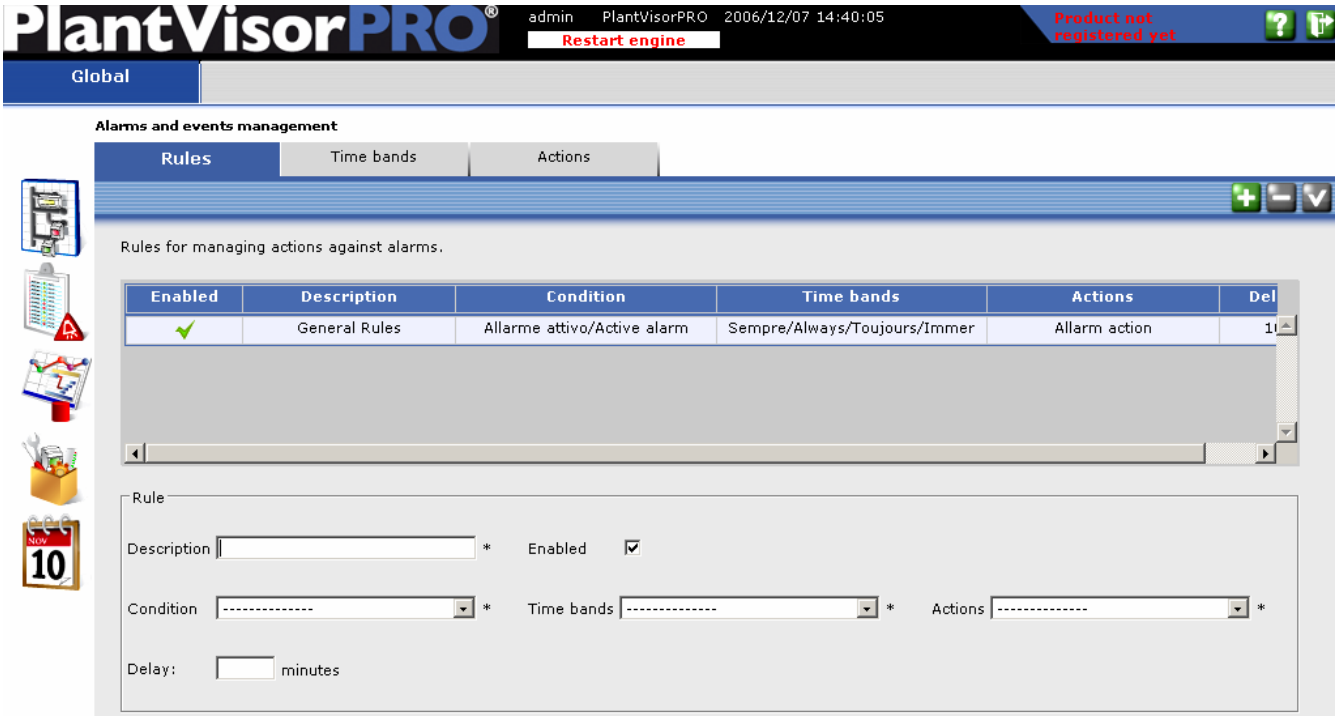
Now select the “Rules” tab.
The following page will appear:



Introduce a mnemonic description of the rule to be created in the “Rule” section in the “Description” field (e.g.: “General rule”).
Then select the condition in alarm.
Select the period of time that is to be set (e.g.: “Always”).
Select the action to be set (e.g.: “Alarm action”).
Introduce the delay, in minutes, which is desired for the actuation of the rule when faced with an alarm.

Click on .
The settings will be saved.

The following page will be visualised:



The “Enabled” field is used to enable or disable a determined created rule. If the tick is left then the rule results enabled for the supervisor.

5. Registering the product

To register the product, from the “Configuration” menu select the “System pages” item; the following page will be displayed:

On the www.carel.com site click the “Request PlantVisorPRO activation code” link, fill in all the fields on the application form.
Important: The MAC-address on the PlantVisorPRO system page is required, as well as the “Serial Number” printed on the CD or on the label at the bottom in the case of PlantVisorPRO Embedded.

Once the data have been confirmed, a page will be displayed showing the “activation code” to be entered in the system page.

To save the activation code for the supervisor, click .

Then logout and login to PlantVisorPRO again.

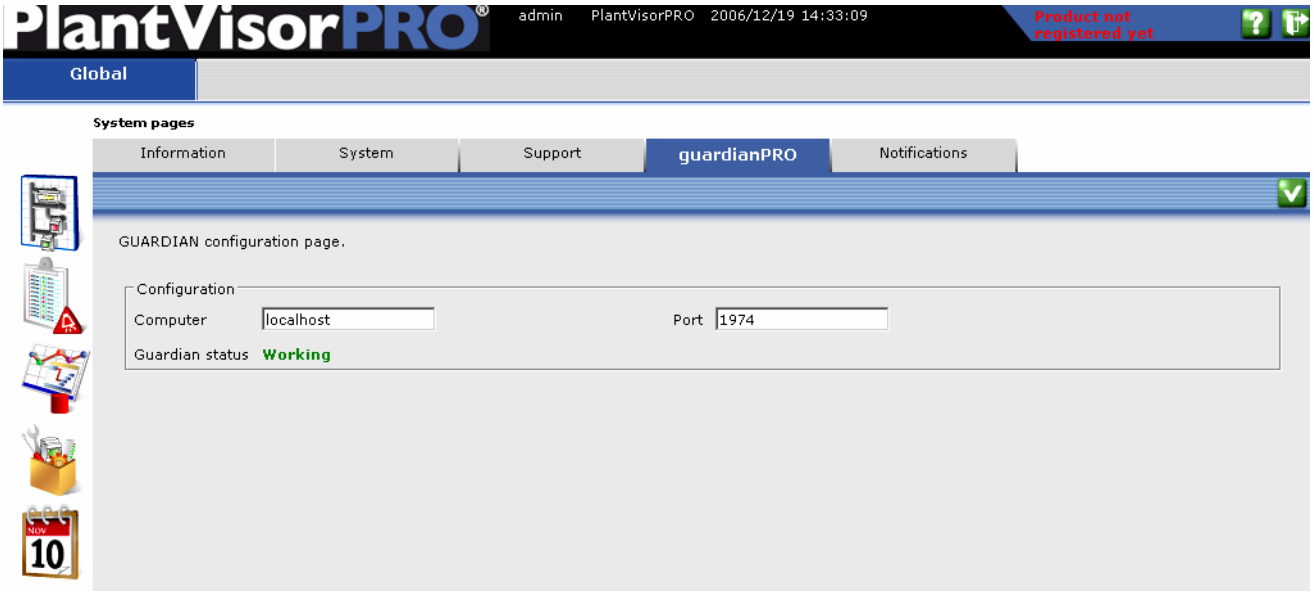
6. Configuring guardianPRO

guardianPRO is an application that ensures maximum system reliability. All the processes are monitored, and in the event of hardware or supervision software faults, guardianPRO independently generates an alarm signal via SMS, fax or e-mail to warn the user.

N.B.
guardianPRO must be configured with at least one alarm signal, even simply “Alarm window”, to avoid restarting the unit if guardianPRO cannot signal the alarm situation.

6.1. guardian

To access the general configuration of the guardian function, from the “Configuration” menu select the “System pages” item and then the “guardianPRO” tab; the following page will be displayed:



In the Configuration section, set the computer and the port where guardianPRO is connected:

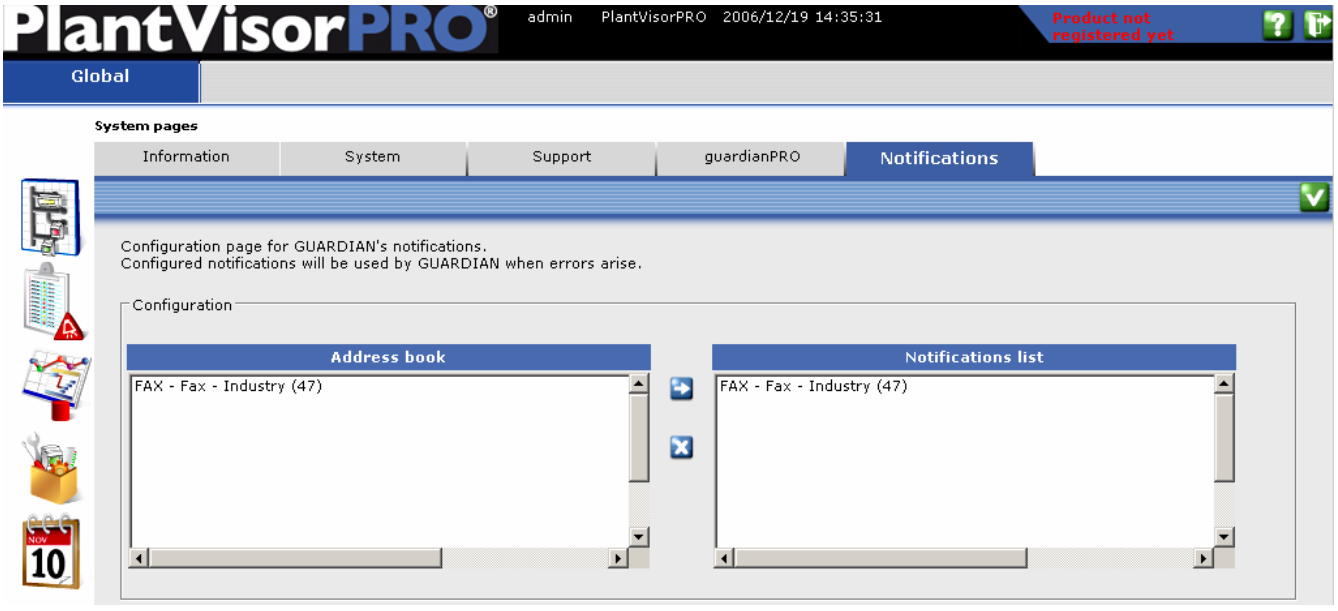
- Computer: name or IP address where the guardian is installed (leave “localhost”)(*)
- Port: number of the port on the computer where guardianPRO is connected (leave “1974”)(*)

(*)See the “Full User Manual” and contact the network administrator if guardianPRO is installed on another computer in the network.

Once the settings have been completed, click to save the configuration.
Then select the “Signals” tab.

6.2. Signals

Once selected the “Signals” tab, the following page will be displayed:



The address book will include all the recipients of the signals from the scheduler. One or more recipients in the address book can be used, or alternatively, again in the “Configuring the I/O peripherals” pages, a specific recipient can be entered for the signals from the guardian. If a Scheduler address book entry is removed, this event will not affect the list in guardianPRO, which is managed separately.

From the “Address book” list, select the addresses or the numbers to which the guardianPRO signals will be sent, then click to add these to the “List of signals”.

In the event of an error when entering, select the incorrect item in the “List of signals” and click .

To save the settings, click

7. Glossary

Alarm: The alarms are status information sent by the supervision system devices and which are elaborated by these to give indications of anomalous situations or faults.

Alarm Active: These are alarms whose cause of triggering has not yet ceased.

Alarms report: the alarms report is a table which, on the basis of a beginning and end data set by the user, visualises al alarms that have occurred during the indicated time span.

Alarm Withdrawn: These are records of alarms whose cause of triggering has terminated.

Area: Logical unit of groups and/or devices.

Daily report: The daily report is a table that visualises the values of several historicised variables selected by the user on the basis of indicated data.

Device: This is an electronic device connected to a supervision network and which can be managed by PlantVisorPRO.

Event: Events are information sent by devices, I/O peripherals or generated by the supervisor itself. This information communicates the general functioning status of the supervisor.

Group: Logical group of devices. Groups can be used to create group variables.

Group variable: logical superstructure with writing variables that belong to different devices that are necessarily introduced into the same group.

Historical report: The historical alarms report is a table which, on the basis of a beginning and end data set by the user, visualises the values of historicised variables and selected by the user.

Instantaneous values report: The instantaneous values report is a table that visualises the instantaneous values (those detected on printing) of the variables of a given device.

Local supervisor: A local supervisor is a device control and management system.

Network: A network is a group of connected devices and supervised by PlantVisorPRO i.e. devices, converters, etc).

Remote supervisor: A remote supervisor is a local supervisor centralised control system.

Report: Reports are tables depending on time that contain data of the historicised variables.

Site: A site is any type of installation managed by PlantVisorPRO. Normally the name of the site is used to indicate a PlantVisorPRO installation that can be reached from remote.

Supervisor: Programme able to manage the hardware connected to the computer. Its main task is to check the status of the devices and act according tot he rules set by the user, keeping a trace.

User: The user is a registered subject, authorised to access the supervisor.

Variable: Every device has variables, which are setting parameters and/or status conditions of the device itself.

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