

User manual

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QUESTE ISTRUZIONI** ←

**READ AND SAVE
THESE INSTRUCTIONS**

CONTENTS:

- 1. Introduction3
- 2. Installation3
- 3. Registering the Switch plug-in3
- 4. Configuration.....4
 - 4.1 Defining the variables5
 - 4.2 Defining the groups of devices6
 - 4.3 Configuration6
 - 4.3.1 Autoswitch7
 - 4.3.2 Manual switch.....7
 - 4.3.3 Fault management.....7
 - 4.4 Status.....7
- 5. Events8

1. Introduction

A PlantVisorPRO plug-in is an optional module to be installed on a computer where PlantVisorPRO Local is already installed and configured. The Switch is a PlantVisorPRO Local plug-in used to manage the changeover in technology on a local installation, switching from electronic valve mode to thermostatic valve mode and vice-versa.

2. Installation

Once the plug-in has been installed, the product needs to be registered, as described below.

3. Registering the Switch plug-in

Before using the plug-in it needs to be registered.

At www.carel.com click the link "Request PlantVisorPRO activation code", and complete all the fields on the application form. Important: the MAC-address will be requested, which is found on the PlantVisorPRO system page, and the "Serial Number" printed on the CD.


Once the data have been confirmed, a page will be displayed showing the "activation code", to be entered on the system page.

Then, proceed as follows:



- open the PlantVisorPRO Local "Configuration" menu and select the "System pages" item;
- select the "Plugin" tab; the following page will be displayed :

The screenshot shows the PlantVisorPRO web interface. The top bar includes the logo, user information (admin PlantVisorPRO), date/time (2007/03/12 9:02:17), and a button to 'Configurare guardianPRO'. The main menu has tabs for 'Globale', 'Informazioni', 'Sistema', 'IDE', 'Supporto', 'guardianPRO', 'Segnalazioni', and 'Plugin'. The 'Plugin' tab is selected, showing a 'Commento alla pagina' section and a 'Plugin non registrati' section with fields for 'Descrizione', 'Nome plugin', 'Data di installazione', 'Serial number', 'Codice di attivazione', and 'Versione'. Below this is a table for 'Plugin registrati' with columns for 'Descrizione', 'Nome plugin', 'Versione', 'Data di installazione', 'Data di registrazione', 'Serial number', and 'Codice di attivazione'.

- From the list box, select the description of the plugin to be registered.
- Enter the serial number printed on the installation package.
- Enter the activation code previously acquired from www.carel.com.
- Save the data by clicking 

4. Configuration



To configure the Switch plug-in, open the PlantVisorPRO Local "Configuration" menu

and select the "Plugin" item



then double click the Switch item



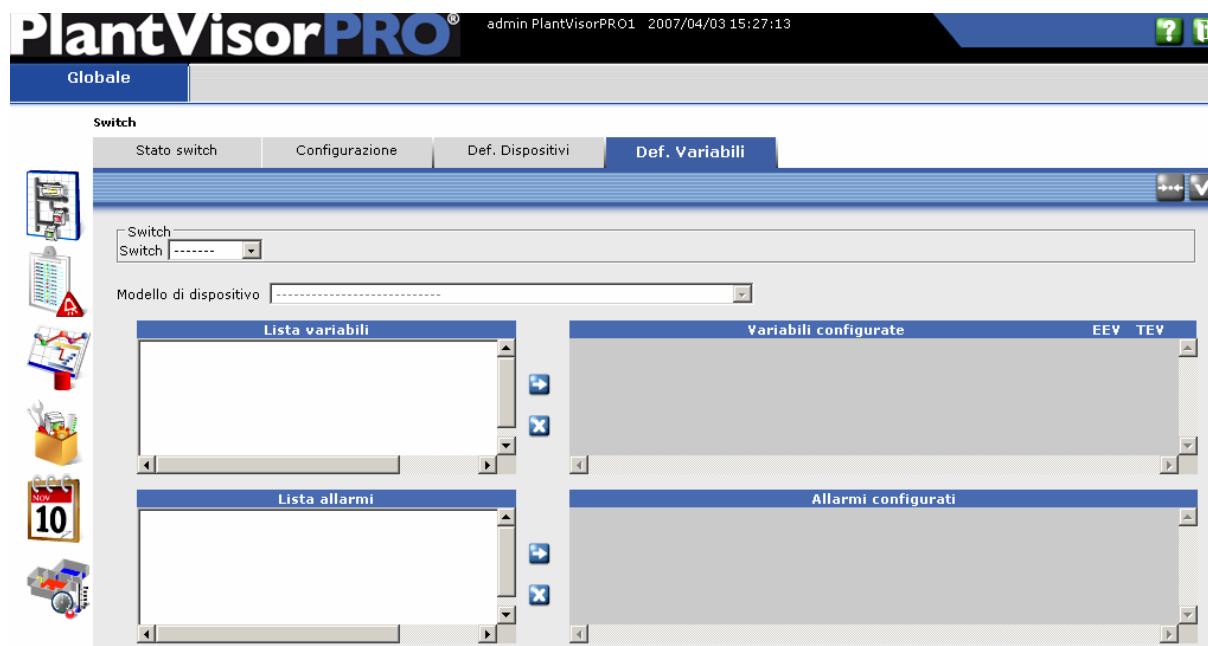
To correctly configure this plug-in, the following must be defined:

- The variables and the alarms to be considered for the implementation of the switch in technology
- The list of the devices in the installation involved in the switch in technology
- The configuration of each Switch instance that will be used

Then click the "Variable Def." tab.

4.1 Defining the variables


Note: the Switch instance proposed by the plug-in are already configured, for the models of CAREL devices, with the variables and the alarms required for correct operation. Therefore, only use this page to customise the instances.



To define the variables that allow the switch in technology, select the Switch instance to be modified from the "Switch" list box.
Then:

- Select the model of device relating to the alarms and variables from the "Device model" list box


To add a variable:

- Select the variables to be added to the configuration of the Switch from the "Variables list" and click 
- Set the values required for each variable in the event of electronic operation (EEV) and thermostatic operation (TEV)


To add an alarm:


- Select the alarms to be added to the configuration of the Switch from the "Alarms list" and click 

To remove a variable:

- Select the variables to be removed from the list of "Variables configured" and click 

To remove an alarm:

- Select the variables to be removed from the list of "Alarms configured" and click 

Then save the data by clicking 

To restore the default values, click 


Once the settings have been made, select the "Device def." tab.

4.2 Defining the groups of devices

The screenshot shows the 'PlantVisorPRO' web interface. At the top, there's a header with the logo and user information: 'admin PlantVisorPRO1 2007/04/03 15:30:23'. Below the header, there's a navigation bar with tabs: 'Globale', 'Stato switch', 'Configurazione', 'Def. Dispositivi' (selected), and 'Def. Variabili'. The main content area is titled 'Switch' and contains a sub-header 'Def. Dispositivi'. Below this, there's a text box with instructions: 'Per associare i dispositivi ad uno switch, o per modificarne la descrizione, selezionare lo switch dalla lista sottostante, effettuare le modifiche, quindi salvare.' Below the text box, there's a form with a 'Switch' dropdown menu and a 'Descrizione' text field. At the bottom, there are two large empty boxes labeled 'Lista dispositivi' and 'Dispositivi configurati', with arrows indicating movement between them. A green checkmark icon is visible in the top right corner of the main content area.

Select the Switch to be configured from the “Switch” list box, then set the description in the “Description” field
The “Devices list” will include all the devices that

- are present in the installation,
- are compatible with the models involved in the configuration described in 4.1,
- are not yet associated with a Switch.

To add a device to the Switch, select the device and click 

To remove a device from the Switch, select the device and click 

Once having completed the settings, click  to save the operations performed.

The continue with the configuration of the Switch relating to the type of operation by selecting the “Configuration” tab.

4.3 Configuration

The screenshot shows the 'PlantVisorPRO' web interface. At the top, there's a header with the logo and user information: 'admin PlantVisorPRO1 2007/04/03 15:33:05'. Below the header, there's a navigation bar with tabs: 'Globale', 'Stato switch', 'Configurazione' (selected), 'Def. Dispositivi', and 'Def. Variabili'. The main content area is titled 'Switch' and contains a sub-header 'Configurazione'. Below this, there's a text box with instructions: 'Per configurare uno switch selezionarlo dalla lista sottostante, impostare i parametri di funzionamento, quindi salvare.' Below the text box, there's a form with a 'Switch' dropdown menu. Below the dropdown menu, there are two sections: 'Autoswitch' and 'Switch manuale'. The 'Autoswitch' section has a radio button, a 'numero di ore' text field, a 'a partire dalle ore' dropdown menu, and a 'tecnologia con cui partire' dropdown menu. The 'Switch manuale' section has a radio button and a 'tecnologia:' dropdown menu. At the bottom, there's a 'Gestione anomalie' section with a checkbox for 'Autoresume', a checkbox for 'Ignora allarmi', and a 'ritardo con cui gestire gli allarmi' text field with a unit of 'minuti'.

Select the Switch to be configured in the “Switch” list box.

The “Autoswitch” and “Manual switch” section are mutually exclusive.

“Autoswitch” mode automatically switches the reference switch between the two types of technology at set times, while in “Manual switch” mode the reference switch works with single technology.

4.3.1 Autoswitch

To set this mode, proceed as follows:

- Select "Autoswitch"
- Set the number of operating hours in the "Number of hours" field
- Set the time when the switch must be activated from the "starting time" list box
- Set the type of technology that the switch must start with from the "Starting technology" list box

4.3.2 Manual switch

To set this mode, proceed as follows:

- Select "Manual switch"
- Set the type of technology that the switch must work with from the "Technology" list box

4.3.3 Fault management

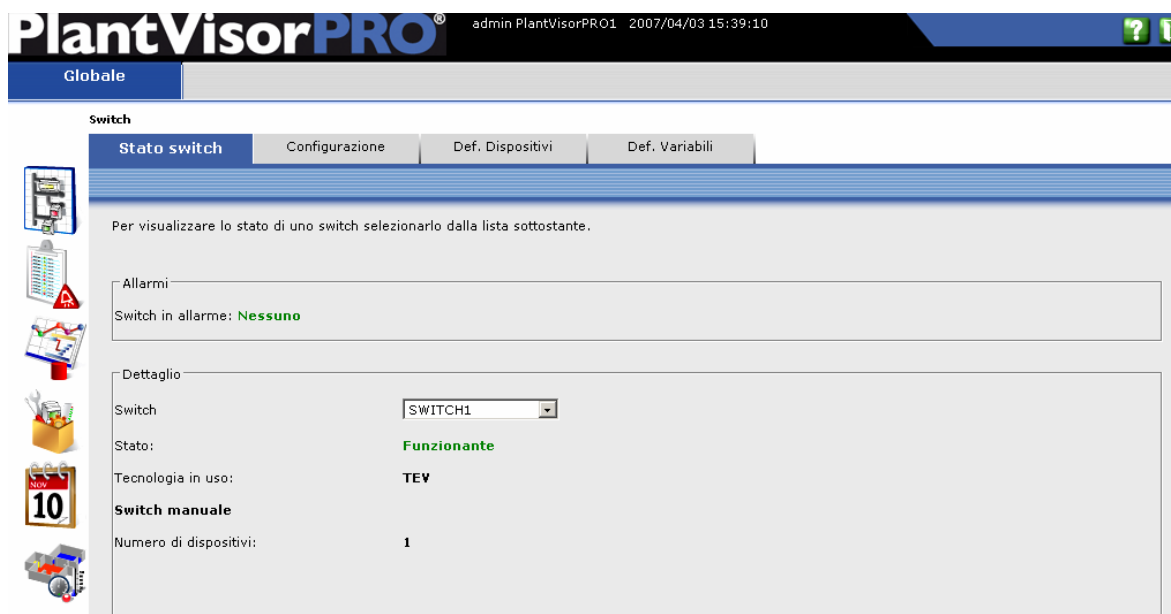
In the "Fault management" section, the behaviour of the reference switch can be configured in response to an alarm.

- For the switch to return to operation according to the specified configuration after the alarm has ended, select the "Autoresume" check box
- To have the switch maintain operation in response to alarms, select the "Ignore alarms" check box
- If the system must detect the alarms, set the delay time (in minutes) after which the system must consider an alarm to be active.

Save the settings by clicking 

4.4 Status

Select the "Switch status" tab to check the status of the switch configured



Select the desired switch to be displayed from the "Switch" list box.

5. Events

PlantVisorPRO[®] admin PlantVisorPRO1 2007/04/03 15:42:20

Globale

Eventi

Eventi

Data Ora	Utente	Tipo	Categoria	Descrizione
2007/04/03 15:39:06	admin		Tecnology switch	Avviato SWITCH1 in Manual con tecnologia tev
2007/04/03 15:38:59	admin		Tecnology switch	Salvata configurazione dispositivi per lo switch SWITCH1
2007/04/03 15:38:50	admin		Tecnology switch	Salvata configurazione variabili per lo switch Switch1
2007/04/03 15:38:05	admin		Tecnology switch	Salvata configurazione variabili per lo switch Switch2
2007/04/03 15:37:22	admin		Tecnology switch	Salvata configurazione variabili per lo switch Switch2
2007/04/03 15:21:04	admin		Azione servizio	Login dell'utente admin 10.0.0.13
2007/04/03 15:16:56	admin		Azione servizio	Login dell'utente admin 127.0.0.1
2007/04/03 15:12:59	System		Tecnology switch	Switch Switch2 non configurato
2007/04/03 15:12:59	System		Tecnology switch	Switch Switch1 non configurato
2007/04/03 15:12:59	System		Configurazione	Plugin registrato correttamente
2007/04/03 15:09:18	admin		Azione servizio	Login dell'utente admin 127.0.0.1
2007/04/03 15:08:03	Dispatcher		Azione servizio	Periferica PCI SoftV92 Data Fax Modem with SmartCP attiva
2007/04/03 15:07:56	System		Partenza servizio	SISTEMA PARTITO
2007/04/03 15:07:56	System		Partenza servizio	Acquisizione partita
2007/04/03 15:07:56	System		Configurazione	Configurazione caricata



To display the events generated by the Plug-in, open the "Alarms/Events" menu and select the Events item. The events concerning the plug-In in that belong to the "Switch technology" category can be recognised; this description is useful when searching for events. For further details, see the PlantVisorPRO Local Full User Manual.

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