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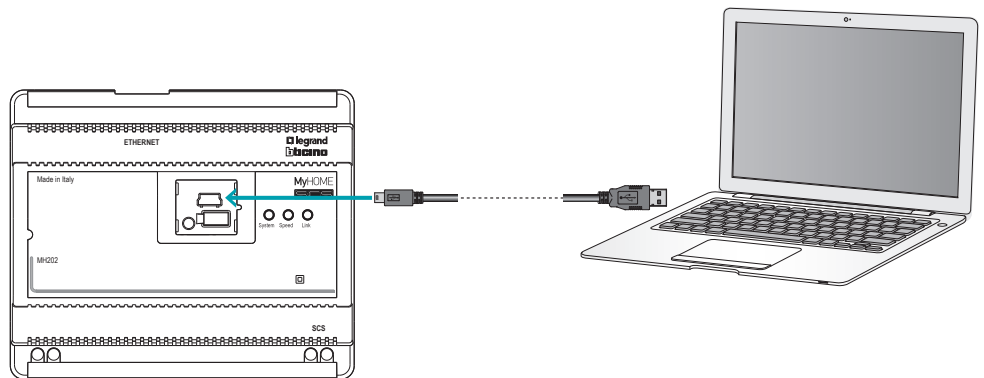
Start

This manual shows the procedures for the configuration of the MH202 Scenario Programmer.

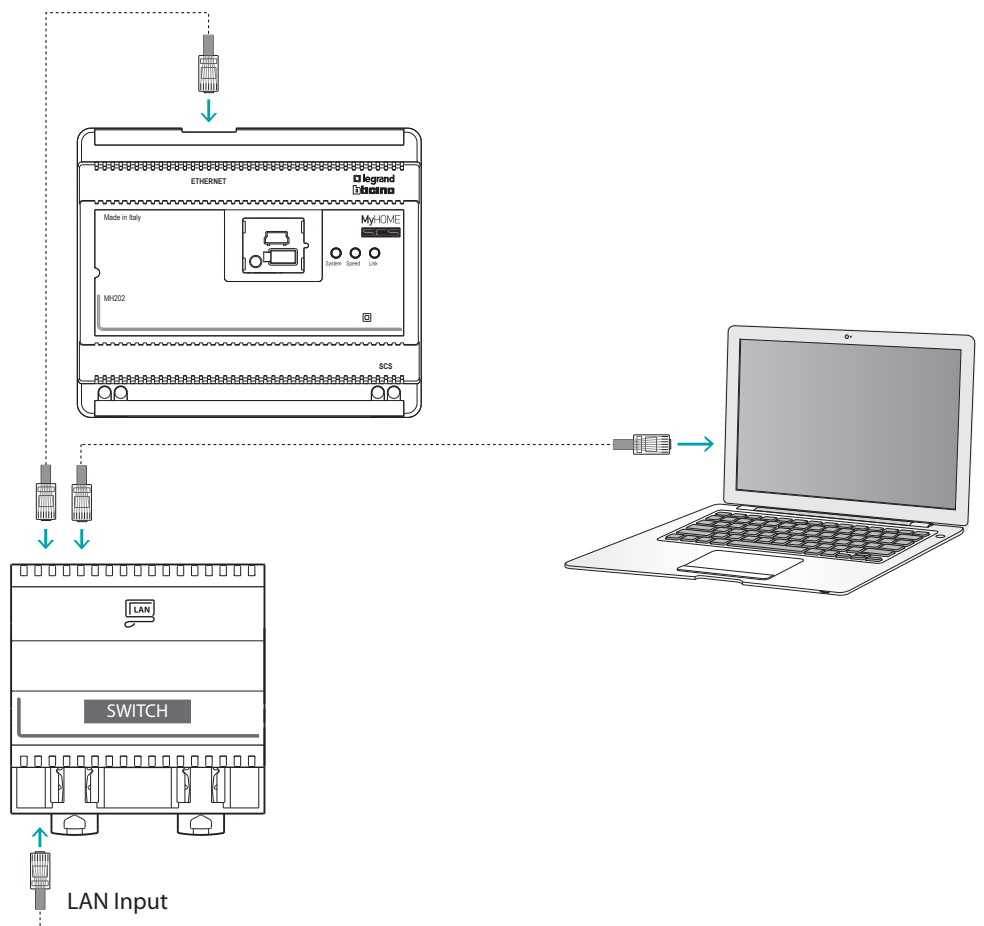
Interaction with the device

To [Send](#), [Receive the Configuration](#), [Update the Firmware](#) and [Request Device Info](#), it is first of all necessary to connect the device to a PC, and make sure that the right port has been selected. Connect the Web Server to the PC using a USB-mini USB cable, or an Ethernet cable. To ensure that the communication is successful, the device must be connected to the BUS.

USB CONNECTION

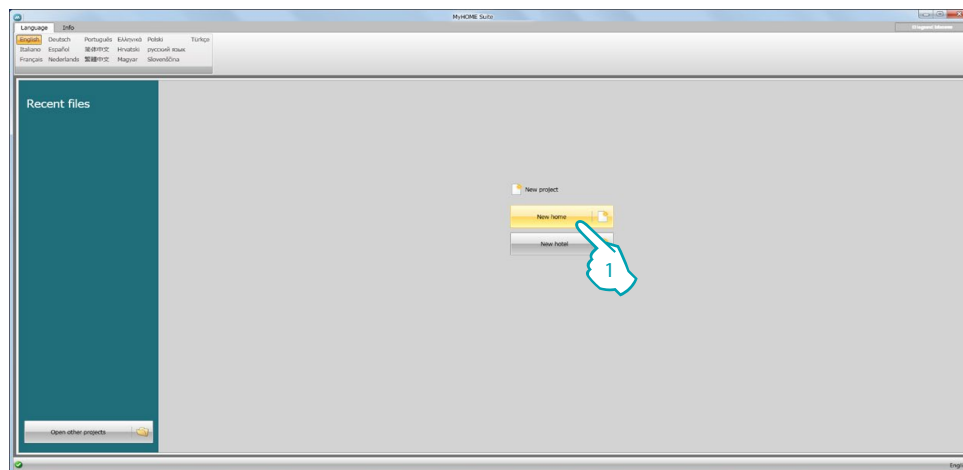


ETHERNET CONNECTION



Device configuration

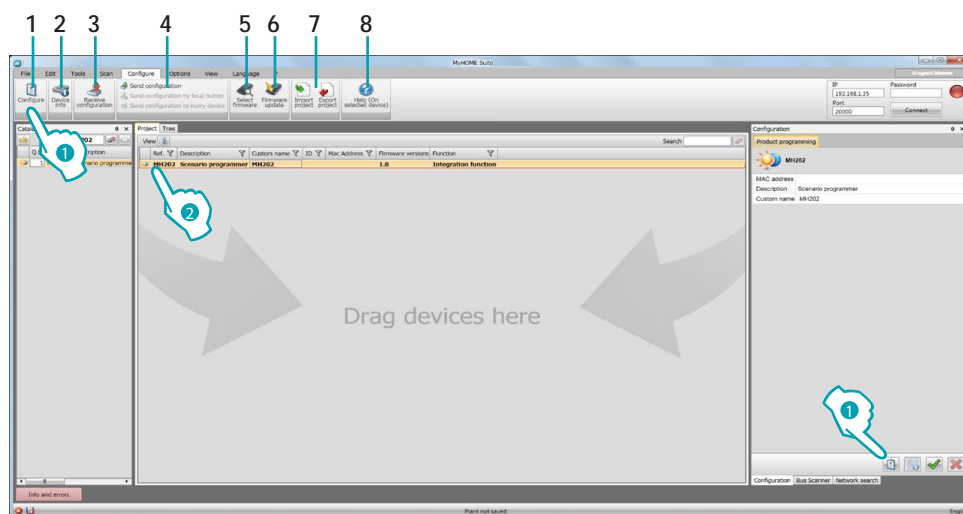
To configure a device you can create a new project, or open an existing one, which can then be changed and resent to the device.



1. Click to enter the software dedicated to the configuration of a new home system.

Configure Menu

The configuration can be performed inside the global area, in the Configure section of the software, using some dedicated device management pushbuttons.



1. Open the specific device configuration area
2. Request device info
3. Receive the configuration from the connected device
4. Send the configuration to the connected device
5. Select the firmware for the device
6. Update the device firmware (it only appears after the firmware has been selected)
7. Import project
Export project
To import or export the configuration project created in the specific area, select the device, and click the corresponding key.
8. Open the help file for the selected device

To interact with the device, first select it, and then click the desired function keys.

To go to the specific device configuration area click **Configure** (1), or double click the device (2)

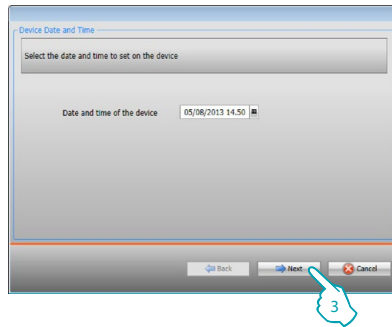
Send the configuration

After completing and saving the programming, the configuration must be sent to the devices.

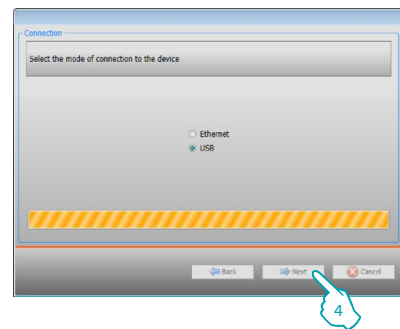
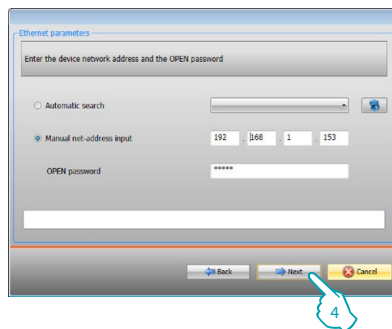
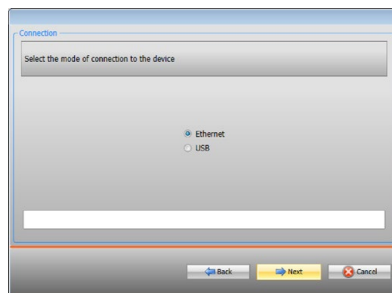
Procedure:

1. Connect the device to a PC through the Ethernet network or through USB
2. In the Configure toolbar select **Send Configuration**.

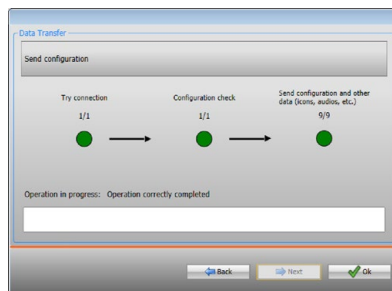
The screen for setting the date and time appears.



3. Select **Next** to choose the mode of connection between the device and the PC:



4. When **Next** is selected, the configuration is uploaded to the device.

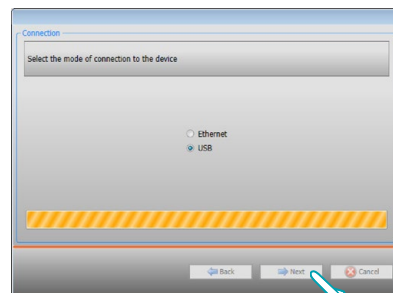
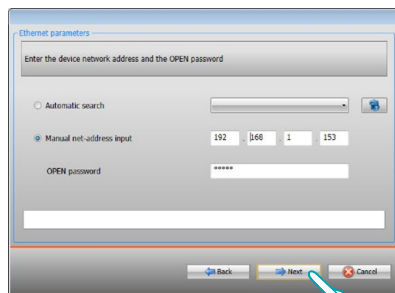
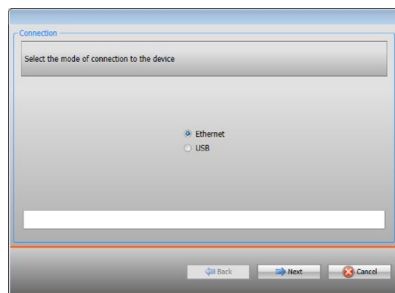


Receive the configuration

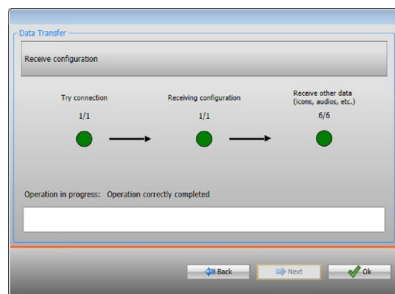
It gives the possibility of receiving the current device configuration. Once received, this can be modified, saved, and obviously sent back to the device.

Procedure:

1. Connect the device to a PC through the Ethernet network or through USB.
2. In the Configure toolbar select **Receive the configuration**.
3. Select the mode of connection between the device and the PC:



4. When **Next** is selected, the configuration downloading procedure starts.



Firmware update

It gives the possibility of updating the device firmware

Procedure:

- Connect the device to a PC.
- From the **Configure** pull-down menu select **Select Firmware**.

A window appears, enabling the user to browse the file containing the firmware file with .fwz extension.

- Select the file and click **Open** to continue.
- Select **Firmware update** to continue.

For the connection procedures see the [Send Configuration](#) section.

Request device info

It gives the possibility of displaying some information on the device connected to the PC.

Procedure:

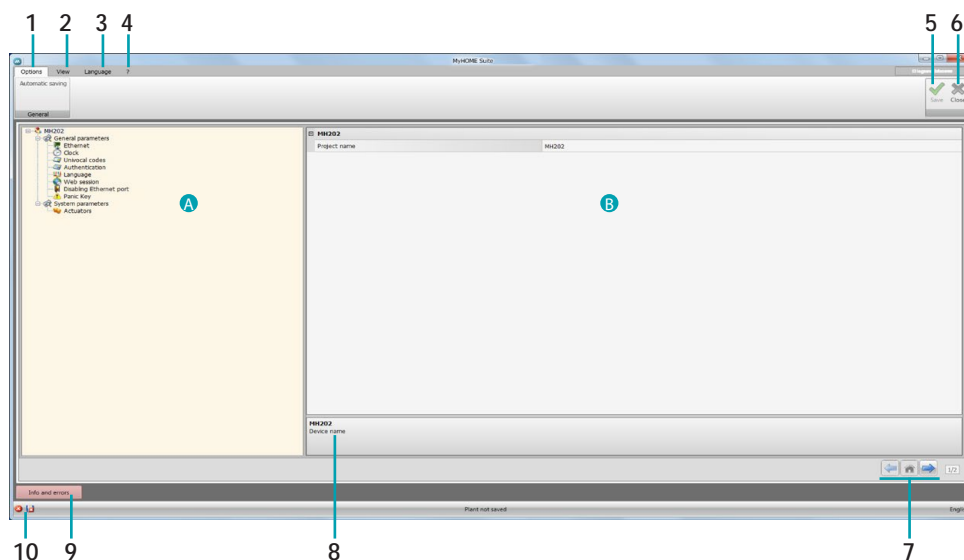
- Connect the device to a PC.
- From the **Configure** pull-down menu select **Device Info**.

For the connection procedures see the [Send Configuration](#) section.

Click Next to display a screen containing the device hardware and software features.

Home page

The user accessing the program is taken to the start page, which shows all the configuration parameters. The screen mainly consists of 2 areas: on the left side (A) are the parameters and the functions to configure, organised in a tree structure. Based on the selection made, the section on the right (B) shows the fields to select or insert.



1. Options.



Activate automatic save

2. View.



Display/hide the configured objects



Display/hide the info and error area



Show the default settings

3. Language.

Select the software interface language

4. Display the Guide icons (Software Manual) and some software information .

5. Save the project.

6. Close and return to the Global area.

7. Pushbuttons used to navigate through the pages.



Navigate through the configuration pages




Go to the home page

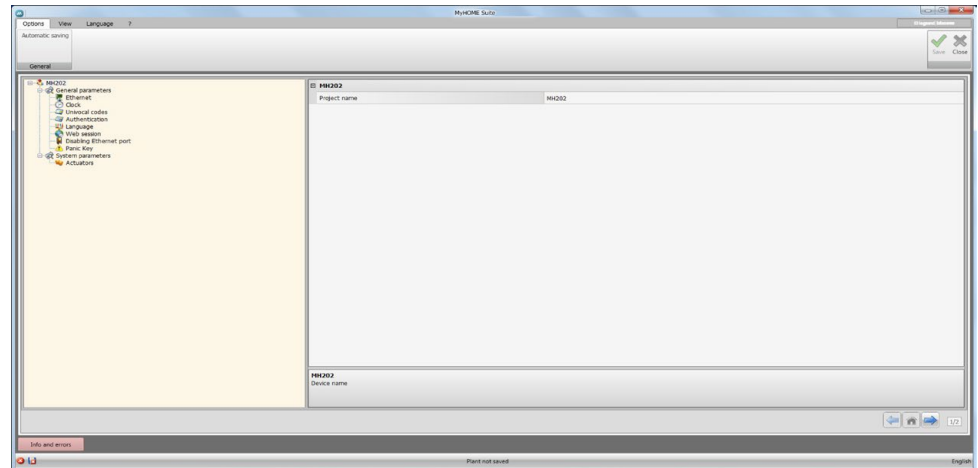
8. Function description.

9. Open the section showing any information, or error messages.

10. File saving and saving path display.

Project configuration

In this section it is possible to configure the parameters of the device and then, using the , to enter the scenario creation screen.



Enter the configuration details in the various sections.

General parameters

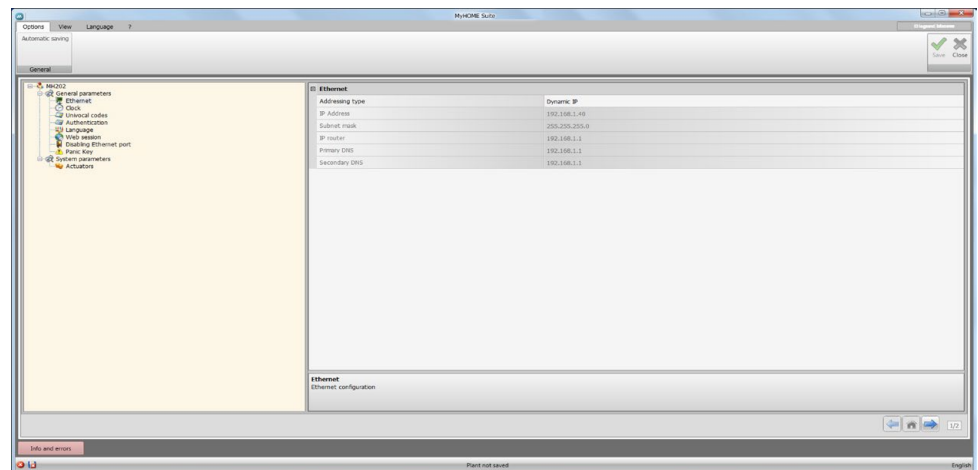
This section is used to configure the technical parameters for network connections.

Ethernet

This section can be used to enter the parameters for connection to the Ethernet network.



*Before changing the default values, contact the network administrator.
In addition to preventing the service from becoming active, wrong values can cause malfunctioning during the communication of other network devices.*

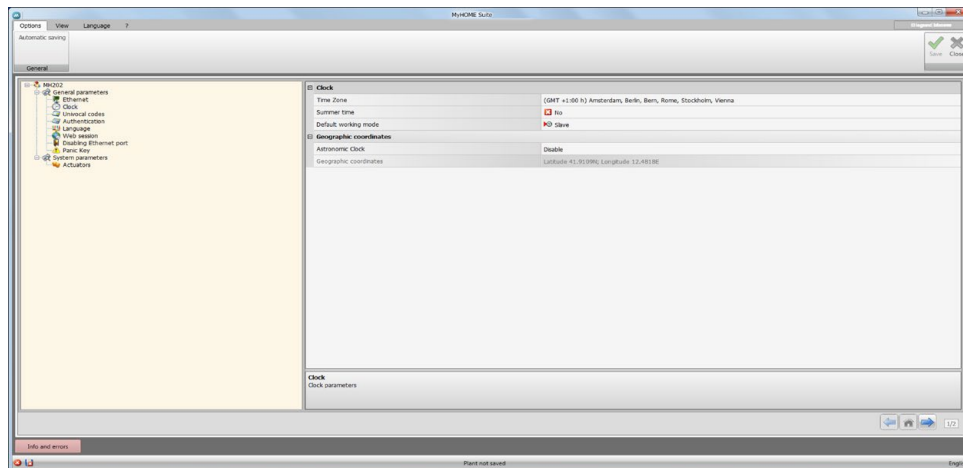


Configuration:

- **Addressing type:** select if the address is a fixed address (in this case enter the parameters below), or a DHCP dynamic address.
- **IP address and Subnet mask:** enter the typical parameters of TCP/IP protocol networks, necessary for the identification of the device within the local network.
- **IP router:** enter the IP address of the router, if required.
- **Primary DNS and Secondary DNS:** it is advisable to enter the same IP address of the router.

Clock

This screen is used to enter the parameters for managing the time the device and the system will refer to.



Clock Configuration:

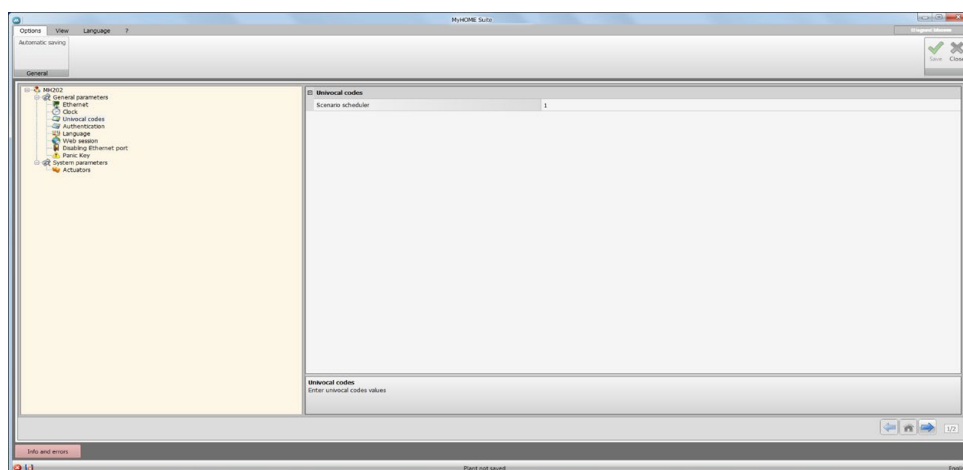
- **Time zone:** enter the local time zone.
- **Summer time:** enter the local time zone.
- **Default working mode:** define if the device is a system time synchronisation “Master”, in which case the internal clock of the device will be used as time reference by other devices of the MyHOME system.

Geographic coordinates Configuration:

- **Astronomic clock:** enable/disable the Astronomic clock function.
- **Geographic Coordinates:** set the geographic coordinates of the device.

Univocal codes

In questa schermata puoi configurare l'identificativo univoco del dispositivo.

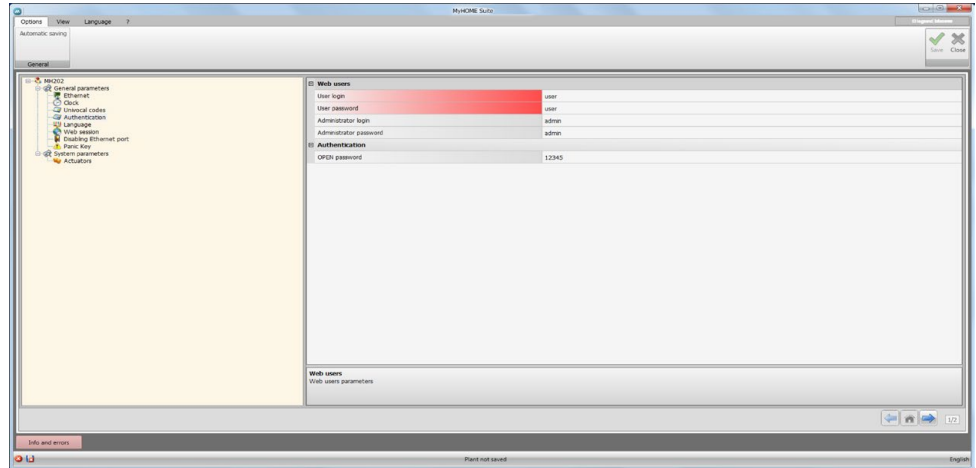


Configuration:

- **Scenario programmer (scheduler):** enter a univocal identification number for the scenario programmer.

Authentication

In this screen, the user must enter the name and password that will be used for authentication, enabling purposes, and access to the services offered by the selected device.



Web users Configuration:

- **User login and User password:** enter the login and the Password for access to the Web pages in user mode (the user default passwords must be modified).
- **Administrator login and Administrator password:** enter the login and the Password for access to the Web pages in admin mode (it is recommended to modify the admin default passwords), this mode is used to enable the configuration pages too.

Authentication Configuration:

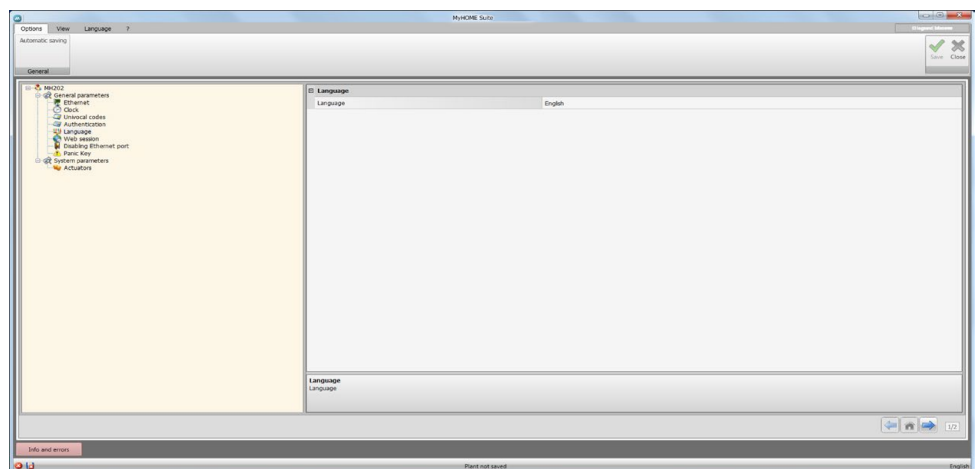
- **OPEN password:** enter the OPEN password to send configuration, receive configuration, firmware update and device info.



Warning: The default OPEN password in the devices is 12345.

Language

This window can be used to select the language for the control web pages and remote system management.

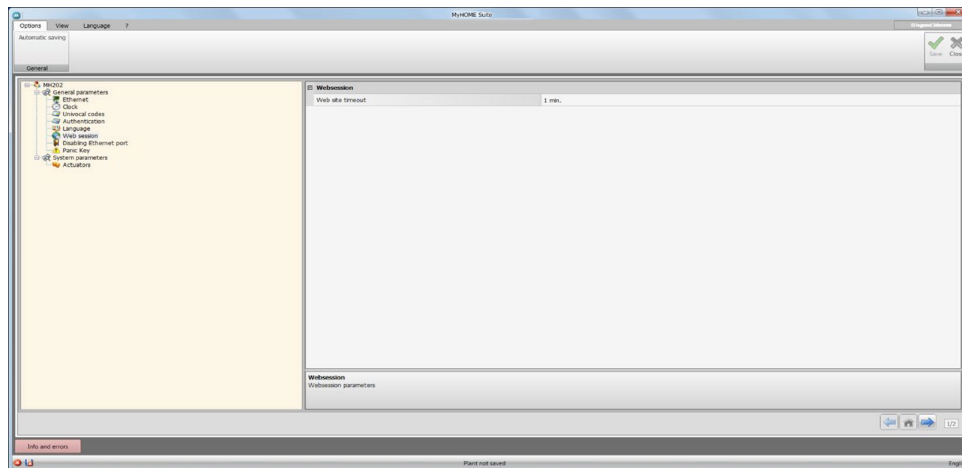


Configuration:

- **Language:** select the language that will be used to display the Web pages.

Web session

This window can be used to set the length of time the web page will remain inactive before the device returns the user to the identification page.

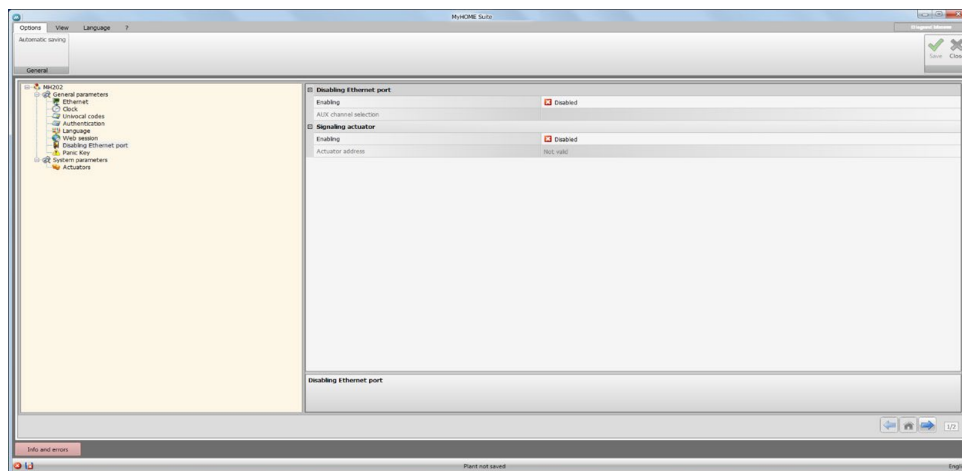


Configuration:

- **Web site timeout:** select the duration of the session, either 1, 2, 5, or 15 minutes.

Disabling Ethernet port

This screen can be used to disable the device ethernet connection



Disabling Ethernet port Configuration:

- **Enabling:** enable/disable the Ethernet port of the device from the system with an AUX command.
- **AUX channel selection:** select the auxiliary channel through which the Ethernet port disabling command is sent.

Signalling actuator Configuration:

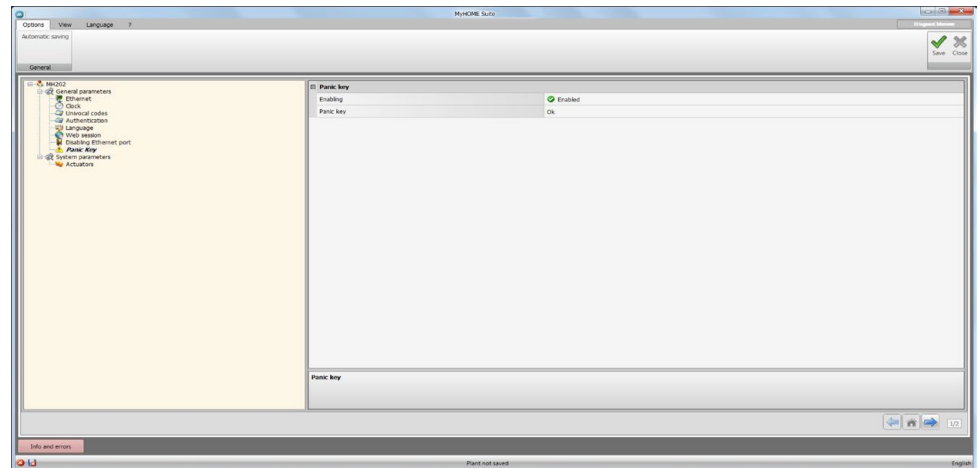
- **Enabling:** enable/disable the signalling actuator
- **Actuator address:** select the actuator that will supply the status of the Ethernet connection; ON = connection enabled, OFF = connection disabled



Warning: both the AUX channel and the actuator selected should not be used for other system functions

Panic key


This screen can be used to set the parameters of the panic key, which performs a command that gives the possibility of stopping the sequences of actions of all the scenarios being executed, and prevent the start of new scenarios.

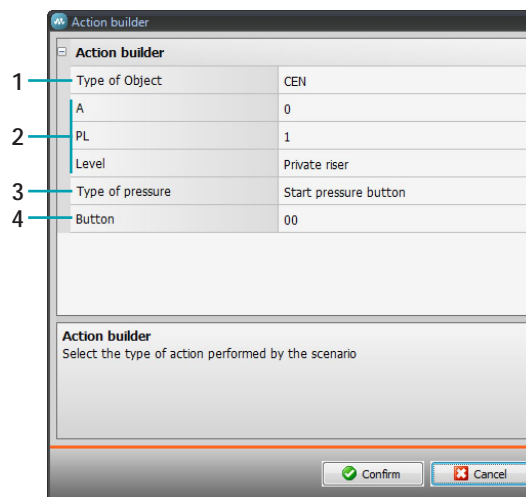


Warning: a pressure of the panic key stops the execution of all scenarios. This means that any actions already performed will not change, those that are still to be performed will not be completed, and the actions that started before pressing the panic key, and have a delayed command, will complete their cycle.

To start it again, the power must be disconnected and then reconnected.

Configuration:

- **Enabling:** enable/disable the panic key.
- **Panic key:** click the key  to set the panic key parameters.



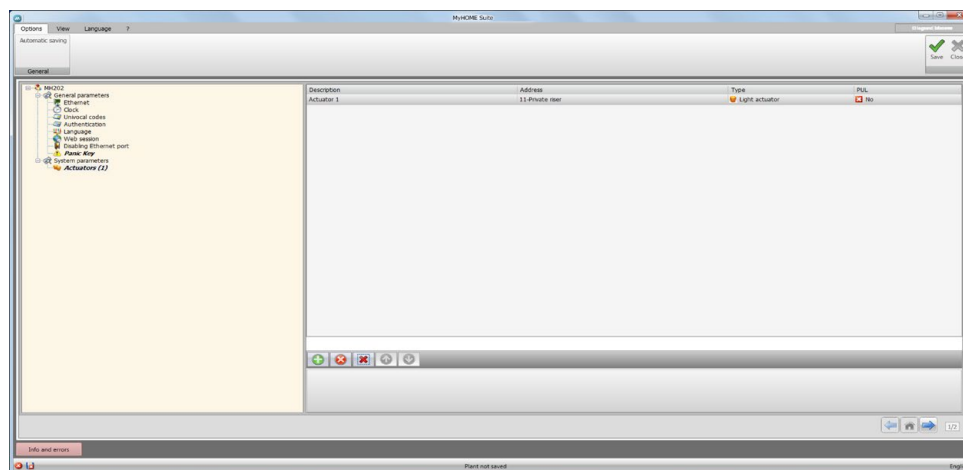
1. Select if the command is a CEN or a CEN PLUS command
2. Select the command address (CEN A/PL type, CEN PLUS type, or numerical from 0 to 2047)
3. Select what type of pressure will activate the control
4. Select the number of the pushbutton that will activate the command


System parameters


This window can be used to configure the parameters of the system.


Actuators


To ensure correct operation of the device, in this screen indicate if the actuators installed in the system are configured in PUL mode, or as dimmers.




-  Add an object

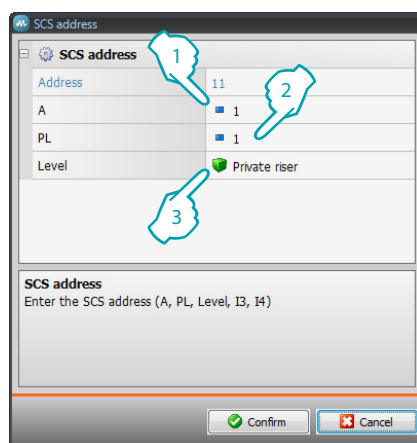
-  Delete an object

-  Delete all the objects


-  Move the object up

-  Move the object down

- **Description:** enter a customised description for the actuator.
- **Address:** select the address of the actuator



1. Enter the value of room configurator A (0 - 10; GEN, AMB, GR).
 2. Enter the value of the configurator of the PL light point (the number depends on the function).
 3. Select if the level is a private Riser or a Local BUS; in the second case also enter the I3, I4 values.
- **Type:** select the type of actuator among Light Actuator, Automation Actuator, Dimmer 10 and Dimmer 100.
 - **PUL:** select if the actuator is a PUL type actuator

Click the  pushbutton to enter the scenario area.

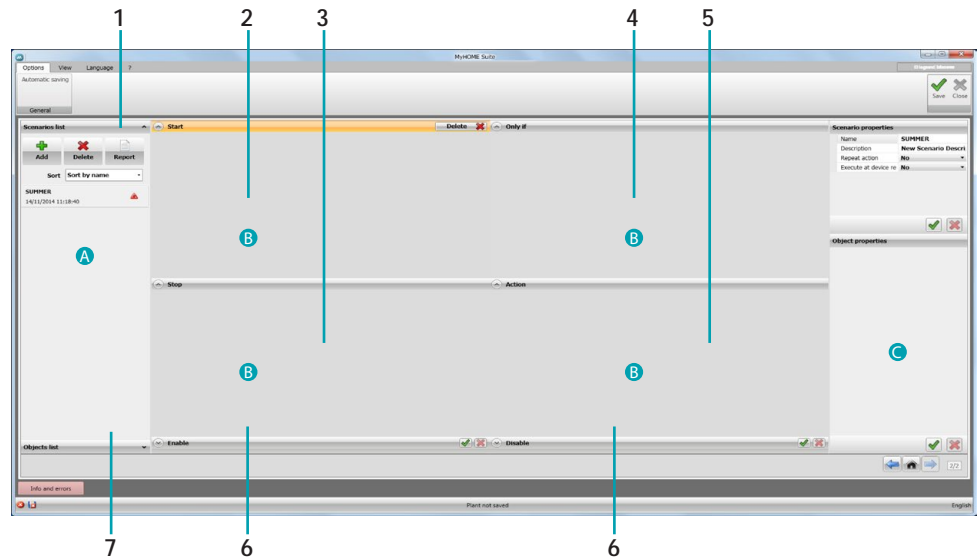
Scenarios

In this section, it is possible to create scenarios with different degrees of complexity, in response to time events, or system events.

The created scenarios are made available to the user for the activation of a [web page](#).

Scenario screenshot

The screen is essentially split into 3 main zones: zone (A) is used to manage the scenarios and select the objects which, dragged to the insertion field (B) and appropriately configured (C) will make up the scenario.



1. Scenarios List

	Show the scenarios created
	Create a scenario
	Delete a scenario
	Create a .csv file storing all the scenario information

2. Start entry field

	In this field it is possible to drag the objects to define the event/s that will activate the scenario.
--	---

3. Stop entry field

	In this field it is possible to drag the objects to define the event that will stop the sequence of actions included in the Action field.
--	--



Warning: the events in the "Stop" field stop the execution of the scenario. This means that any actions already performed will not change, those that are still to be performed will not be completed, and the actions that started before the stop command, and have a delayed command, will complete their cycle. It can be delayed using the "Start" condition.

4. Only if entry field

	In this field it is possible to drag the objects to define an event that defines a restriction for the execution of the scenario.
--	---

5. Action entry field



In this field it is possible to drag the objects to define the action and the sequence of actions to perform.

6. Enable/Disable



For each scenario it is possible to configure two pushbuttons of a command of the automation system, which manually enable and disable the execution. This means that even if the start condition occurs, the scenario does not start.

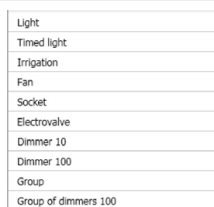
7. Objects List



It displays the objects available, split into families

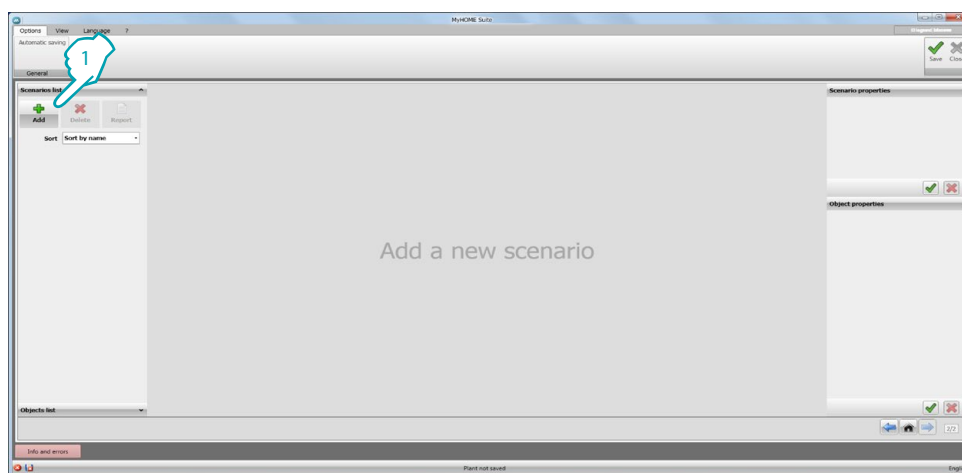


Pull-down menu for the selection of the the family the object used for the composition of the scenario belongs to

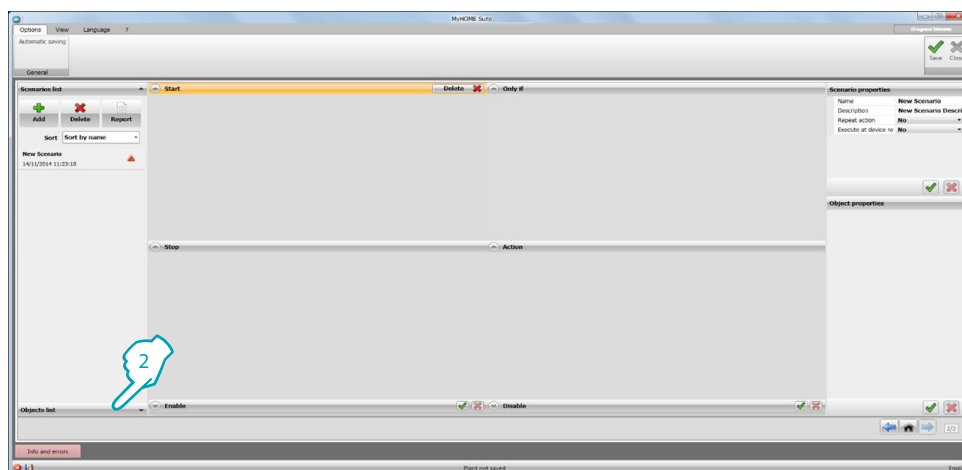


Objects available for the selected family

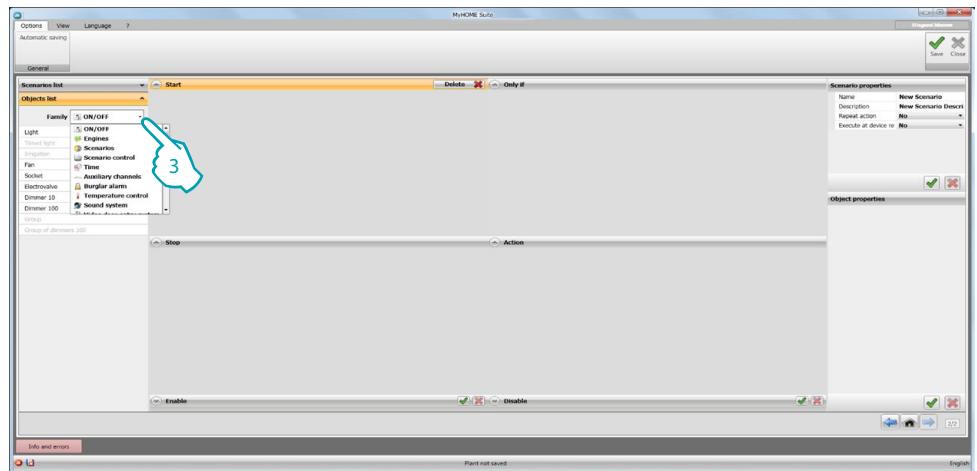
Scenario creation



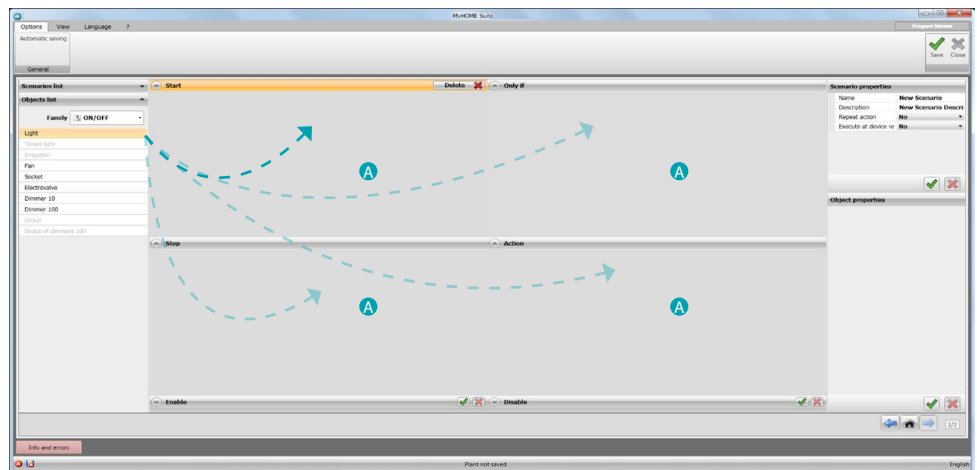
1. Click Add to create the scenario



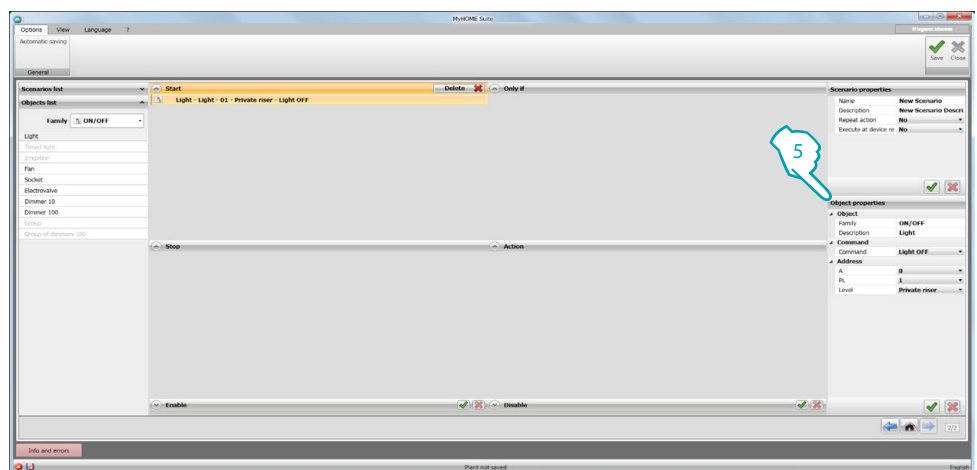
2. Click Objects List



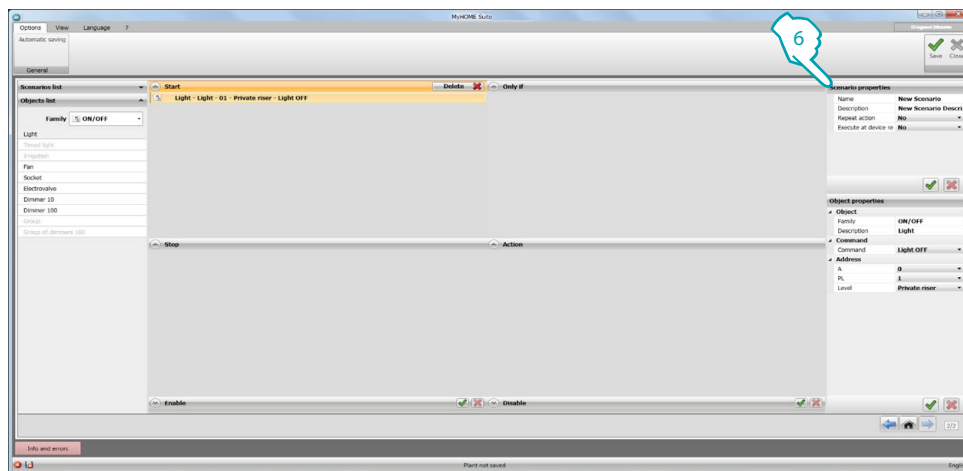
3. It selects the family the object being used belongs to



4. Using Drag and Drop, drag the object in an entry field (A)



5. Configure the object in the **Object** properties field by entering the appropriate values.



6. Iso configure the scenario parameters

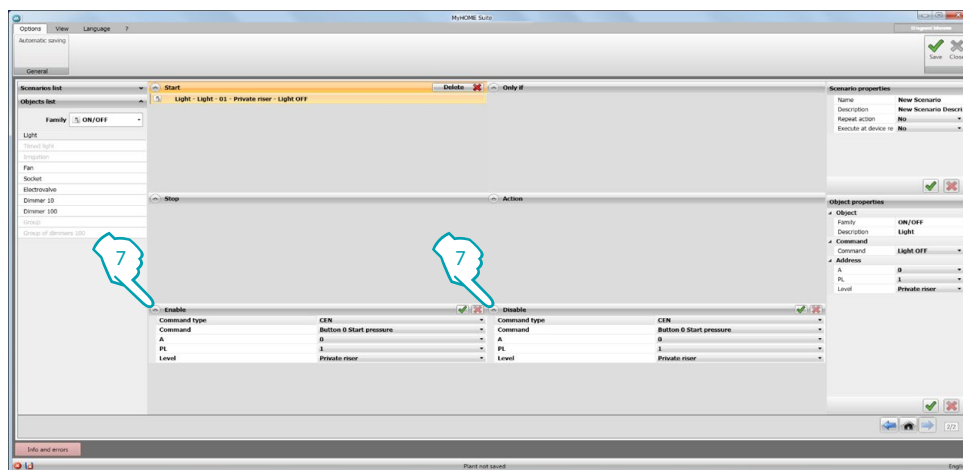
Scenario properties	
1	Name New Scenario
2	Description New Scenario Descri
3	Repeat action No
4	Execute at device re No

1. Name: enter the scenario name
2. Description: enter a description for the scenario
3. Repeat actions: select if the scenario created must be cyclical: when the scenario ends, any actions in the **Start** field will be repeated from the beginning.

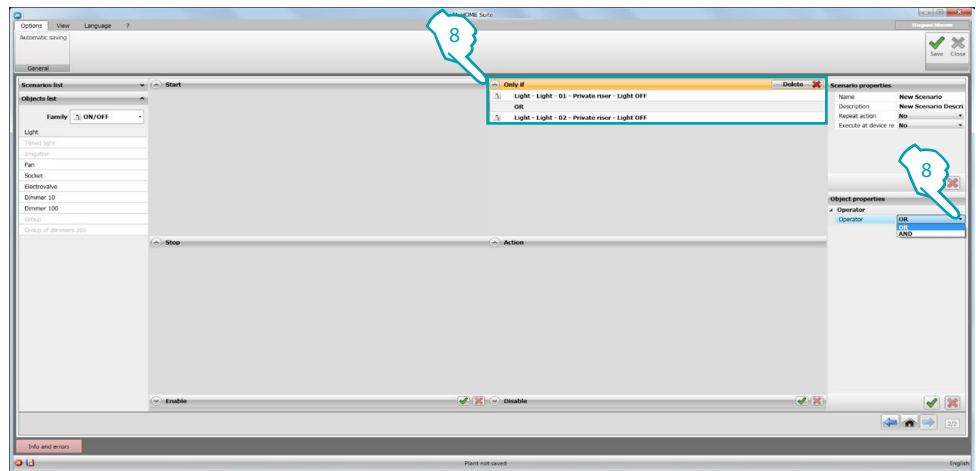


Warning: when this function is active, a continuous cycle of actions is set; it is therefore important that special attention is paid in the definition of "Stop" to stop the scenario, and/or in the configuration of clearly defined periods of time.

4. Perform at device start-up: select if you want that the scenario being executed when a system power cut occurs is restarted upon restart of the MH202 Programmer.



7. It is also possible to configure two automation system pushbuttons that will enable or disable the scenario. Disabling the scenario means to ensure that even if a Start condition occurs, the scenario does not start.



8. If two or more objects are included in the **Only if** field, the operator icon linking the two will appear between them; in the Object Properties field it is possible to define the type of logic that connects them between:

Operator **OR**

In order for the activation set in **Start** to occur, one of the conditions must also occur

Operator **AND**

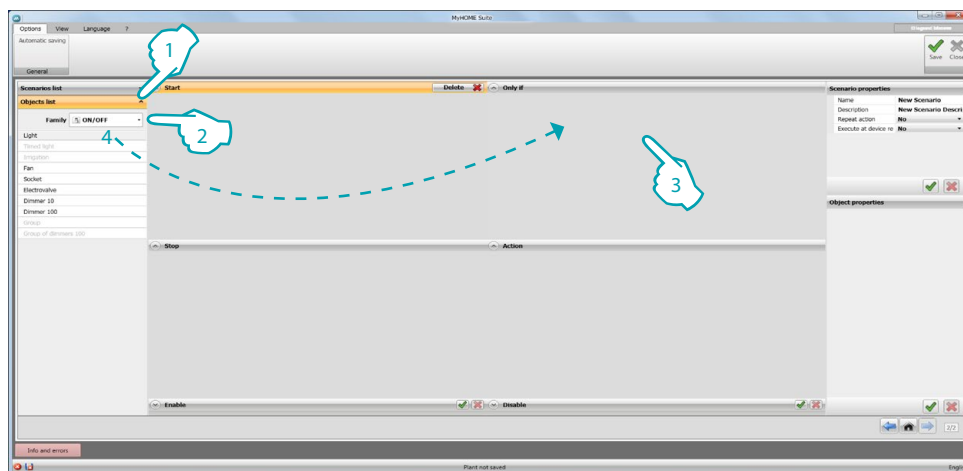
In order for the activation set in Start to occur, all the conditions must also occur

Note: it is possible to create a sequence of conditions that are met in sequence, from the first to the last (see example).

Objects

This chapter describes the objects (organised into families), and their configurations, which can be used to make up the scenario.

Inserting an object



1. Click the pushbutton to open the pull-down menu and display the object list
2. Select the family the object belongs to
3. Click the field where you want to drag the object: now the object list only includes those compatible with the field clicked
4. Drag the object to the desired field to set a behaviour for the same.

Object configuration

- ON/OFF
- Motors (Engines)
- Scenarios
- Scenario control
- Time
- Auxiliary channels
- Burglar-alarm
- Temperature control
- Sound system
- Video door entry system
- Special controls
- Supervision system
- Sensors
- Variables

ON/OFF family

This family includes the objects that can have ON and OFF status.

[Light](#)

[Timed light](#)

[Watering](#)

[Fan](#)

[Socket](#)

[Solenoid valve](#)

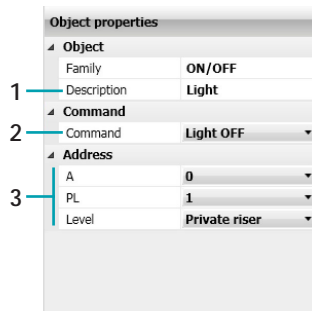
[Dimmer10](#)

[Dimmer100](#)

[Groups](#)

[Group of Dimmers 100](#)

Configuration of LIGHT, WATERING, FAN, SOCKET, SOLENOID VALVE, DIMMER 10 and GROUPS



1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object
3. ADDRESS
Select the SCS address of the object
3. GROUP ADDRESS
Select the SCS address of the object, either General, Room (1 to 10), or Group (1 to 255)

GROUPS

The **Groups** object represents a group of actuators belonging to a specific Room or Group, or responding to a General command.

TIMED LIGHT Configuration

Object properties	
Object	
Family	ON/OFF
1 Description	Timed light
Command	
2 Command	Timed ON
Hours	0
Minutes	0
Seconds	1
Address	
3 A	0
PL	1
Level	Private riser

1. OBJECT
Enter a description
2. COMMAND
Select the type of command executed by the object, set the switching on duration by entering the relevant values in the **Hours**, **Minutes** and **Seconds** fields
3. ADDRESS
Select the SCS address of the object

DIMMER 100 and GROUP OF DIMMERS 100 Configuration

Object properties	
Object	
Family	ON/OFF
1 Description	Group of dimmers 10
Command	
2 Command	Dimmer ON
Time (sec.)	1
Address	
3 Address type	General
Level	Private riser

Object properties	
Object	
Family	ON/OFF
Description	Group of dimmers 10
Command	
2 Command	Go to level x
Time (sec.)	1
Level %	1
Address	
Address type	General
Level	Private riser

Object properties	
Object	
Family	ON/OFF
Description	Group of dimmers 10
Command	
2 Command	Increase brightne
Time (sec.)	1
Level step	1
Address	
Address type	General
Level	Private riser

1. OBJECT
Enter a description
2. COMMAND
Dimmer ON/Dimmer OFF: select the type of command executed by the object and set the action duration.
Go to level X: select the type of command executed by the object, set the action duration and select the brightness percentage from 1% to 100%.
Increase X brightness/Decrease X brightness: select the type of command executed by the object, set the action duration and select the brightness step from 1 to 100.
3. ADDRESS
Select the SCS address of the object
3. GROUP OF DIMMERS 100 ADDRESS
Select the SCS address of the object, either General, Room (1 to 10), or Group (1 to 255)

GROUP OF DIMMERS 100

The **Groups** object represents a group of dimmers belonging to a specific Room or Group, or responding to a General command.

Motors (Engines) family

This family includes the objects that can have UP and DOWN or OPEN and CLOSE status.

[Shutter](#)

[Curtain](#)

[Garage door](#)

[Door/Gate](#)

[Groups](#)

Configuration of SHUTTER, CURTAIN, GARAGE DOOR, DOOR/GATE and GROUPS

Object properties	
<ul style="list-style-type: none"> Object <ul style="list-style-type: none"> Family: Engines Description: Shutter Command <ul style="list-style-type: none"> Command: Shutter STOP Address <ul style="list-style-type: none"> A: 0 PL: 1 Level: Private riser 	

1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object
3. ADDRESS
Select the SCS address of the object
3. GROUP ADDRESS
Select the SCS address of the object, either General, Room (1 to 10), or Group (1 to 255)

GROUPS configuration

The **Groups** object represents a group of actuators belonging to a specific Room or Group, or responding to a General command.

Scenario family

This family identifies an object that can generate scenarios.

[Scenario](#)

[Scenario module](#)

[Plus Scenario](#)

SCENARIO and SCENARIO MODULE Configuration

Object properties	
Object	
Family	Scenarios
1 Description	Scenario
Command	
2 Command	Scenario 1
Address	
A	0
3 PL	1
Level	Private riser

1. OBJECT
Enter a description
2. COMMAND
Select the number of the scenario to activate
3. ADDRESS
Select the SCS address of the object

PLUS SCENARIO Configuration

Object properties	
Object	
Family	Scenarios
1 Description	Scenario PLUS
Command	
2 Command	Activate scenario
Scenario PLUS level	Set level
Address	
3 Scenario	1

Object properties	
Object	
Family	Scenarios
Description	Scenario PLUS
Command	
2 Command	Scenario OFF
Address	
Scenario	1

Object properties	
Object	
Family	Scenarios
Description	Scenario PLUS
Command	
2 Command	Increase level
Devices	All devices
Scenario PLUS step	1%
Address	
Scenario	1

1. OBJECT
Enter a description
2. COMMAND
Activate scenario: select to activate a scenario.
Scenario OFF: select to deactivate the scenario.
Increase level: select the devices for which you want to increase the level from 1% to 10% among all the light and automation devices, or all the amplifiers.
3. ADDRESS
Select the scenario address saved on the actuators.

Scenario Control family

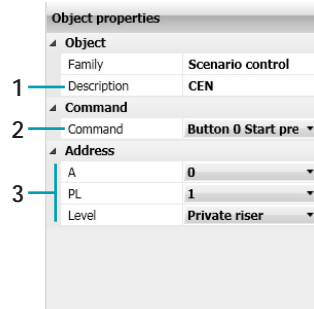
This family includes the control configured in CEN mode.

CEN

Remote control

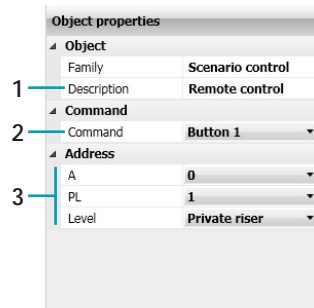
CEN PLUS

CEN configuration



1. OBJECT
Enter a description
2. COMMAND
Select the pushbutton and the control mode among those available
3. ADDRESS
Select the object address

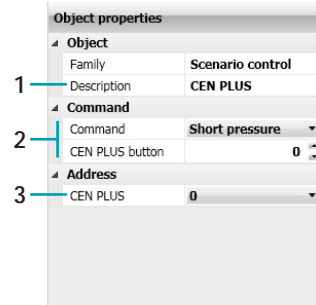
REMOTE CONTROL configuration



1. OBJECT
Enter a description
2. COMMAND
Select the remote control pushbutton
3. ADDRESS
Select the SCS address of the object (IR receiver)

CEN PLUS Configuration

If the object is dragged to the **Start** or **Stop** fields, the following mask appears, where it will be possible to configure the CEN PLUS object.



1. OBJECT
Enter a description
2. COMMAND
Select the command mode among those available and select the pushbutton number
3. ADDRESS
Select the command address

 **Time family**

This family includes the objects that give the possibility of specifying a period of time. The configuration masks for the objects belonging to this family vary depending on the Object selected and the positioning field.

[Time and date](#)

[Days](#)

[Time \(Hour\)](#)

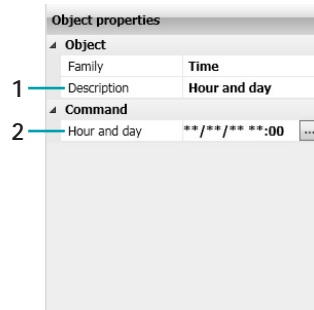
[Delay](#)


[Random delay](#)

[Astronomic clock](#)

TIME and DATE Configuration

If the object is dragged to the **Start** or **Stop** fields, the following mask appears, where it will be possible to configure the scenario start time and date.

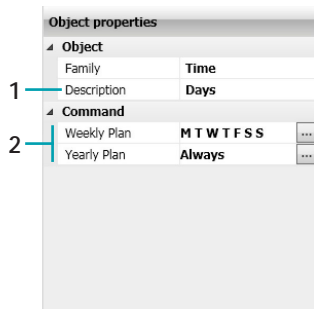


1. OBJECT
Enter a description
2. COMMAND
Click  to specify the time and the date (day, month, year) when the scenario will occur

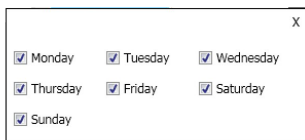


*Warning: by inserting **, the field is always true (e.g. to set that the action is to be executed every day during 2015, enter 2015 in the year field, 08 in the hour field, 00 in the minute field, and ** in all the other fields).*

DAYS configuration

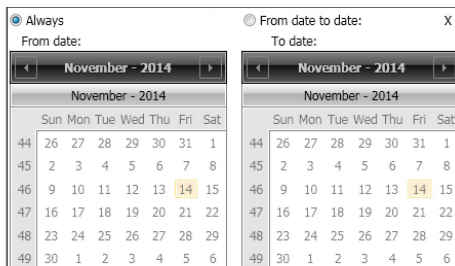


1. OBJECT
Enter a description
2. COMMAND
Weekly Plan: click the pushbutton to select the week days during which the scenario must be executed



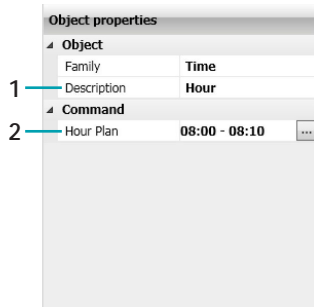
Yearly Plan: click the pushbutton to select the period of time of validity of the scenario; the period can be selected between:

- From date to date;
- Always: in this case the scenario is always active

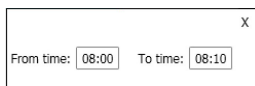


TIME (HOUR) Configuration

If the object is dragged to the **Start** or **Stop** fields, the following mask appears, where it will be possible to set the scenario start time.

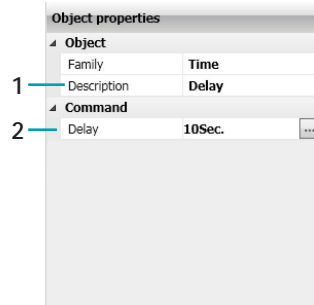


1. OBJECT
Enter a description
2. COMMAND
Delay: click the pushbutton to select the scenario activation delay

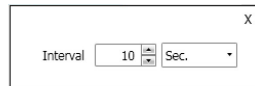


DELAY Configuration

This Object specifies a time delay before the execution of a new action, or between two actions; it can only be dragged to the Action field.

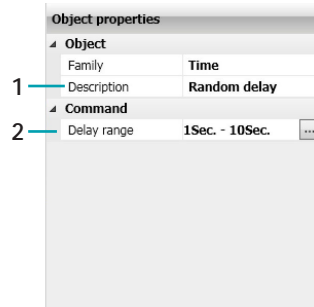


1. OBJECT
Enter a description
2. COMMAND
Delay: click the pushbutton to select the scenario activation delay

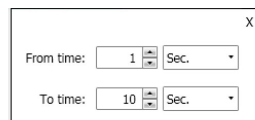


RANDOM DELAY Configuration

This object specifies a time delay before the execution of a new action; it can only be dragged to the **Action** field. Enter a minimum and maximum delay time. The scenario programmer will select each time a delay within the interval set.



1. OBJECT
Enter a description
2. COMMAND
Delay range: click the pushbutton to select the minimum and the maximum delay value.



ASTRONOMIC CLOCK Configuration

This object specifies a time situation (Sunrise, Sunset, Day, Night) to which to link the execution of a scenario. It can be dragged to the **Start, Stop, Only if** fields.

Object properties	
Object	
Family	Time
1 Description	Astronomic clock
Command	
2 Command	Day

1. OBJECT
Enter a description
2. COMMAND
Select the astronomic clock status

Auxiliary channels family

This family identifies an object consisting of the ON and OFF command managed on one of the 9 auxiliary channels.

[Auxiliary](#)

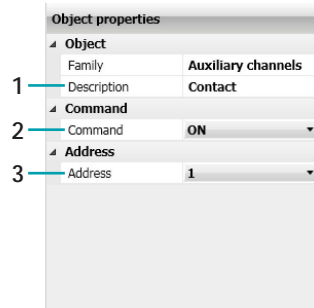
[Contact](#)

AUXILIARY Configuration

Object properties	
Object	
Family	Auxiliary channels
1 Description	Auxiliary
Command	
2 Command	AUX OFF
Address	
3 AUX	1

1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object
3. ADDRESS
Select the AUX address of the object.

CONTACT Configuration



1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object
3. ADDRESS
Select the address

 **Burglar-alarm family**

This family gives the possibility of activating a scenario when an alarm event occurs; the type of event and the zone can also be specified.

[Alarm](#)

[Engage/Disengage](#)

ALARM configuration



1. OBJECT
Enter a description
2. COMMAND
Select the type of event (alarm) occurring on the system
3. ADDRESS
Burglar-alarm Command: select the zone
Tampering Command: select the zone the object belongs to and, if present, the zone address
Technical Command: select the number corresponding to the AUX

ENGAGE/DISENGAGE Configuration

This object included in the **Start** and **Stop** fields executes an action following the engaging/disengaging of the burglar alarm system.



1. OBJECT
Enter a description
2. COMMAND
Select the type of command between engage/disengage

Temperature Control family

This family includes the objects of the Temperature Control system. The configuration masks vary depending on the object selected.

[99-zone central unit](#)

[99-zone scenario](#)

[99-zone program](#)

[Zone - 99 zones](#)

[4-zone central unit](#)

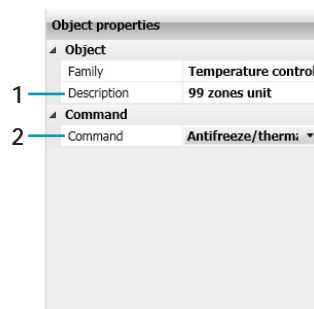
[4-zone program](#)

[Probe](#)

[External probe](#)

99-ZONE CENTRAL UNIT Configuration

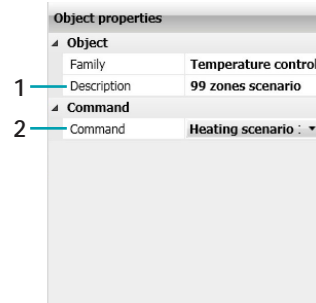
This Object gives the possibility, upon the occurring of certain conditions, to switch the 99-zone central unit of the temperature control system to the mode set in the **Action** field; it can only be dragged to the **Action** field.



1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object, if you select **Manual**, choose the temperature

99-ZONE SCENARIO Configuration

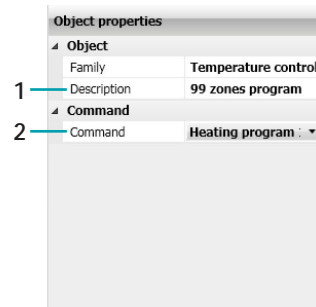
This Object gives the possibility of activating one of the scenarios programmed on the 99-zone central unit; it can only be dragged to the **Action** field.



1. OBJECT
Enter a description
2. COMMAND
Select the scenario to be performed

99-ZONE PROGRAM Configuration

This Object gives the possibility of activating one of the programs stored in the 99-zone central unit; it can only be dragged to the **Action** field.



1. OBJECT
Enter a description
2. COMMAND
Select the program to execute

ZONE - 99 ZONES Configuration

If the object is dragged to the **Start** or **Stop** fields, the following mask appears, where it will be possible to define the zone condition that will activate the scenario. When dragged to the **Action** field, it gives the possibility, upon the occurring of certain conditions, to switch a zone of the temperature control system to the mode set in the **Start** field; it cannot be dragged to the **Only if** field.

Object properties	
Object	
Family	Temperature control
Family	Temperature control
Description	Zone - 99 zones
Command	
Command	Antifreeze/therm.
Address	
ZA	0
ZB	1

1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object, if you select **Manual**, choose the temperature
3. ADDRESS
Select the object address

4-ZONE CENTRAL UNIT Configuration

This Object gives the possibility, upon the occurring of certain conditions, to switch the 4-zone central unit of the temperature control system to the mode set in the **Start** field; it can only be dragged to the **Action** field.

Object properties	
Object	
Family	Temperature control
Description	4 zones unit
Command	
Command	Antifreeze/therm.
Address	
ZA	0
ZB	1

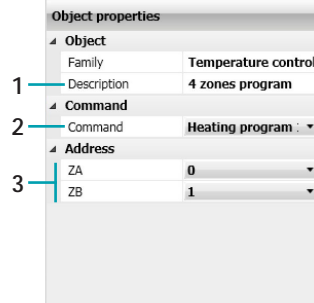
Object properties	
Object	
Family	Temperature control
Description	4 zones unit
Command	
Command	Manual
T manual	18,0
Address	
ZA	0
ZB	1

Object properties	
Object	
Family	Temperature control
Description	4 zones unit
Command	
Command	Timed manual
T manual	18,0
Hours	0
Address	
ZA	0
ZB	1

1. OBJECT
Enter a description
2. COMMAND
Select the type of command executed by the object; if **Manual** is set, select the temperature; if **Timed Manual** is set, select the temperature and the time
3. ADDRESS
Select the object address

4-ZONE PROGRAM Configuration

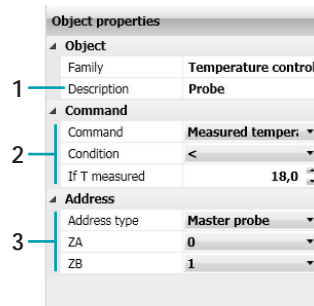
This Object gives the possibility of activating one of the programs stored in the 4-zone central unit; it can only be dragged to the **Action** field.



1. OBJECT
Enter a description
2. COMMAND
Select the type of program to be executed, set on the 4 zone central unit
3. ADDRESS
Select the object address

PROBE Configuration

This object gives the possibility of connecting the activation of the scenario to the level of temperature measured by a certain probe; it can only be dragged to the **Only if** field.



1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object and set the temperature level that will activate the scenario
3. ADDRESS
Specify the probe within the zone and select the object address

EXTERNAL PROBE Configuration

This object gives the possibility of connecting the activation of the scenario to the level of temperature measured by a certain probe; it can only be dragged to the **Only if** field.

Object properties	
Object	
Family	Temperature control
Description	External probe
Command	
Command	Measured temper. ▾
Condition	< ▾
If T measured	18,0 ▾
Address	
Address	1 ▾

1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object and set the temperature level that will activate the scenario
3. ADDRESS
Specify the number of the probe to associate

Sound system family

This family includes the objects of the Sound System system.

With the exception of the **Amplifier** object, which can be dragged to all the entry field, all the others can only be dragged to the **Start** field.

The **MC Radio Source** and **MC AUX** can only be used if the system includes the **Multi-channel Matrix**.

[Amplifiers](#)

[Group of amplifiers](#)

[Radio Source](#)

[Aux Source](#)

[MC Radio Source](#)

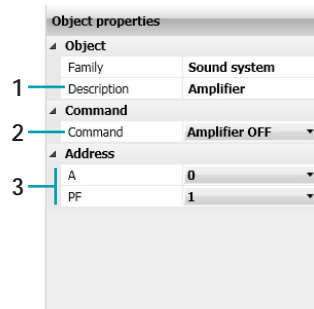
[MC Aux Source](#)

[Power amplifier](#)



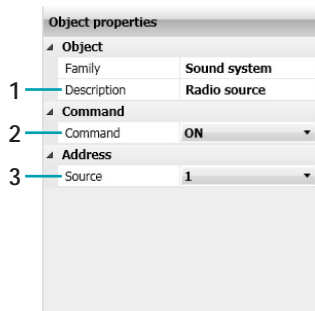
Warning: When using volume adjustment or source switch-on controls, ensure that an amplifier on control has also been included.

AMPLIFIERS and GROUP OF AMPLIFIERS Configuration



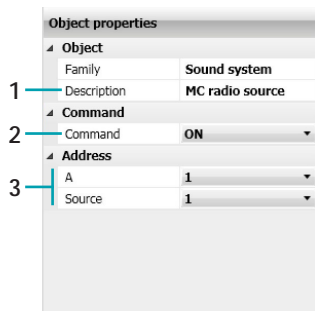
1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object
3. ADDRESS
Select the amplifier address
3. GROUP OF AMPLIFIERS ADDRESS
Select the address between General and Room (0 to 9)

RADIO SOURCE and AUX SOURCE Configuration



1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object
3. ADDRESS
Select (if present) the source number

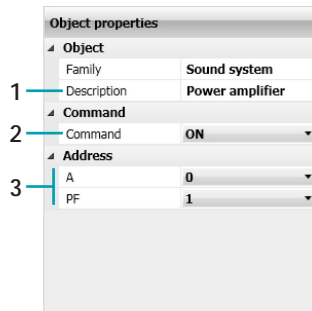
MC RADIO SOURCE and MC AUX SOURCE Configuration



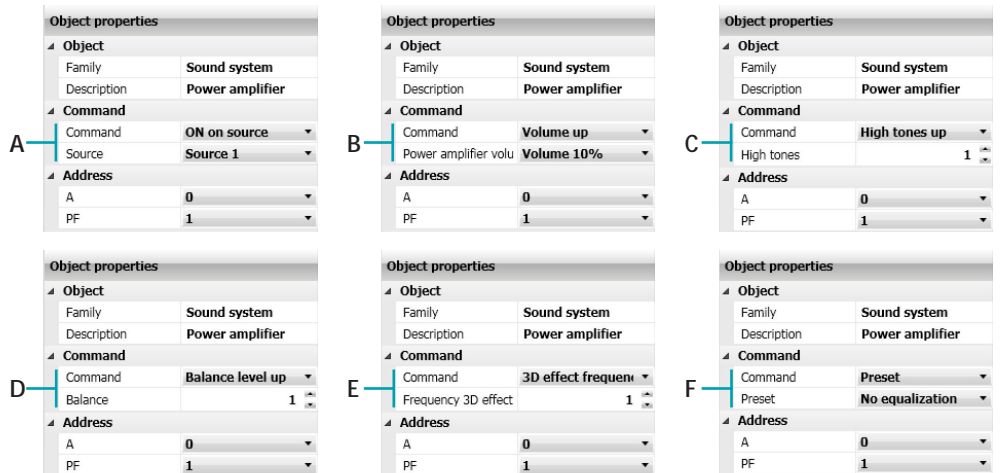
1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object
3. ADDRESS
Select the room and the number of the source (if present)

POWER AMPLIFIER Configuration

This object gives the possibility of connecting the activation of the scenario to the power amplifier parameters; in addition to the simple switching on and off, the **Only if** and **Action** fields can also be used to set the volume levels and the enabling or disabling of the equalisation parameters.



1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object



- A. ON on source: select the source
 - B. Volume UP, Volume DOWN: select the volume percentage (from 10% to 50%)
 - C. High Tones UP, High Tones DOWN, Low Tones UP, Low Tones DOWN: select the level (from 1 to 20)
 - D. Balance Level UP, Balance Level DOWN, 3D effect Level UP, 3D effect Level DOWN: select the balance level (from 1 to 10)
 - E. 3D effect Frequency UP, 3D effect Frequency DOWN: select the frequency level (from 1 to 7)
 - F. Preset: select the preset among those available
3. ADDRESS
Select the amplifier address

Video door entry system family

This family includes the objects of the Video door entry system. The objects **Staircase light from EP**, **Staircase light from IU**, and **Door lock** can only be dragged to the **Action** field; the **Camera** object cannot be dragged to the **Only if** field, while the Internal Unit object can be dragged to the **Start** and **Stop** fields.

[Staircase light from EP](#)

[Staircase light from IU](#)

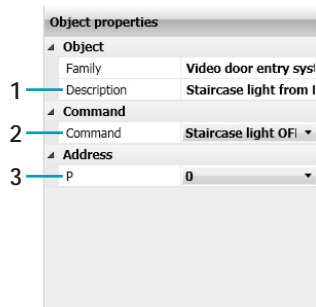
[Door lock](#)

[Camera](#)

[Answering machine](#)

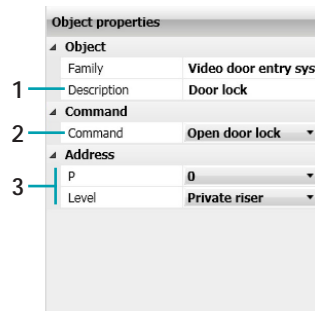
[Audio internal unit](#)

STAIRCASE LIGHT FROM EP and STAIRCASE LIGHT FROM IU Configuration



1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object
3. ADDRESS
Select the object address

DOOR LOCK AND CAMERA Configuration

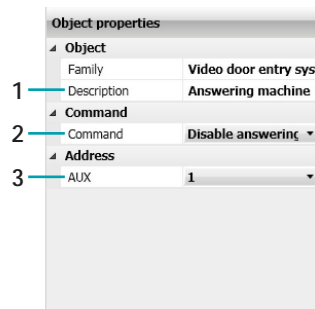


1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object
3. ADDRESS
Select the object address



Warning: When setting an ON command, ensure that the corresponding OFF command is also set in the same scenario. If no time delay has been set for the Staircase Light ON actuator, enter a time delay between the ON and OFF commands

ANSWERING MACHINE Configuration



1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object
3. ADDRESS
Select the object address

INTERNAL UNIT Configuration

Object properties	
Object	
Family	Video door entry syst
1 Description	Audio handset
Command	
2 Command	Call from external
Address	
3 Address	0
Level	Private riser

1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object
3. ADDRESS
Select the object address

 **Special Controls family**

This family gives the possibility of including in the **Action** field the **Lock/Unlock** object, which action refers to a certain actuator of the system that may be locked in the current status; in order to return to normal operation, the actuator requires a corresponding unlock command sent by the MH202 scenario Programmer.

[Lock/Unlock](#)

LOCK/UNLOCK Configuration

Object properties	
Object	
Family	Special controls
1 Description	Lock/Unlock
Command	
2 Command	Lock
Address	
3 A	0
PL	1
Level	Private riser

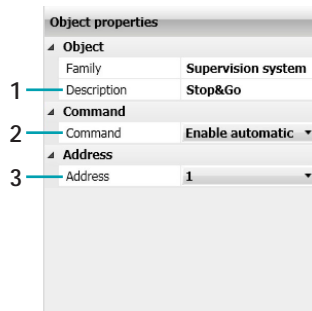
1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object
3. ADDRESS
Select the object address

 **Supervision System family**

This family gives the possibility of managing the opening/closing and the management of the automatic reactivation of Stop&GO objects.

[Stop&Go](#)

STOP&GO Configuration



1. OBJECT
Enter a description
2. COMMAND
Select the type of command performed by the object
3. ADDRESS
Select the object address

 **Sensors family**

This family gives the possibility of executing scenarios based on the status of some types of sensors: presence, movement, lighting, twilight, rain, wind.

[Presence sensor](#)

[Movement sensor](#)

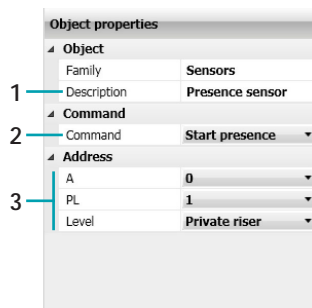
[Lighting sensor](#)

[Twilight sensor](#)

[Rain sensor](#)

[Wind sensor](#)

Configuration of PRESENCE SENSOR, MOVEMENT SENSOR, TWILIGHT SENSOR, RAIN SENSOR and WIND SENSOR



1. OBJECT
Enter a description
2. COMMAND
Select the event detected by the sensor
3. ADDRESS
Select the object address

LIGHTING SENSOR Configuration

Object properties	
Object	
Family	Sensors
1 Description	Lighting sensor
Command	
Command	Measured lux
2 Condition	=
If Lux	0
Address	
3 A	0
PL	1
Level	Private riser

1. OBJECT
Enter a description
2. COMMAND
Select the desired brightness (LUX) threshold level.
3. ADDRESS
Select the SCS address of the object

 Variables family

This family gives the possibility of executing scenarios based on the status of two types of logic variables: a meter (execution of the scenario based on the number of actions detected by the meter), and a boolean variable (in order to have a virtual condition to set on the scenario).

[Counter](#)

[Boolean](#)

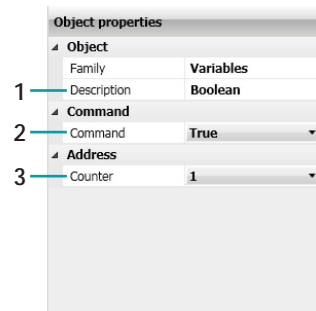
COUNTER Configuration

This object behaves differently depending on the field it is dragged to: in **Only if** it sets the numerical condition (counted by a meter) that will trigger the event; in **Action** it sets the numerical value to count for the event set in **Start**.

Object properties	
Object	
Family	Variables
1 Description	Counter
Command	
Command	Variable value
2 Condition	=
If value	0
Address	
3 Counter	1

1. OBJECT
Enter a description
2. COMMAND (**Only if**)
Select the value recorded by a meter
2. COMMAND (**Action**)
Select the numerical value or the UP/DOWN step to count
3. ADDRESS
Select the counter address

BOOLEAN Configuration



1. OBJECT
Enter a description
2. COMMAND
Select the condition (True/False) confirming/cancelling the previous actions.
3. ADDRESS
Select the variable address

Example of scenario

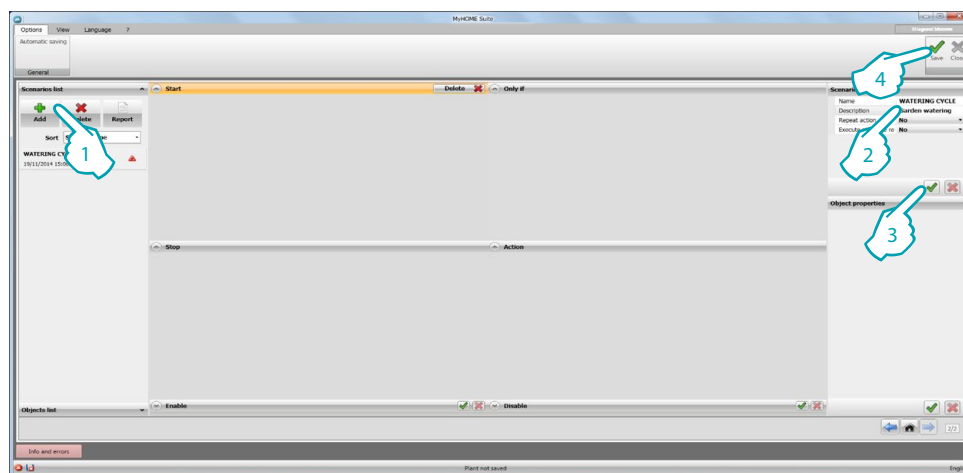
The example that follows shows how to configure a scenario for the watering of a garden, particularly if the user wants to activate 2 watering solenoid valves (31 and 32) located in different areas of the garden.

Watering is automatic every day from 20:30 to 21:10, or manually, by pressing a specific command (pushbutton 1 A1/PL1).

However, if one wants to limit watering only when it does not rain or there is no wind, if these conditions occur when the scenario is already active, one wants the possibility of stopping the sequence of actions (pushbutton 3 A1/PL1). Also configure two commands to enable/disable the scenario (pushbuttons 2-4 A1/PL1).

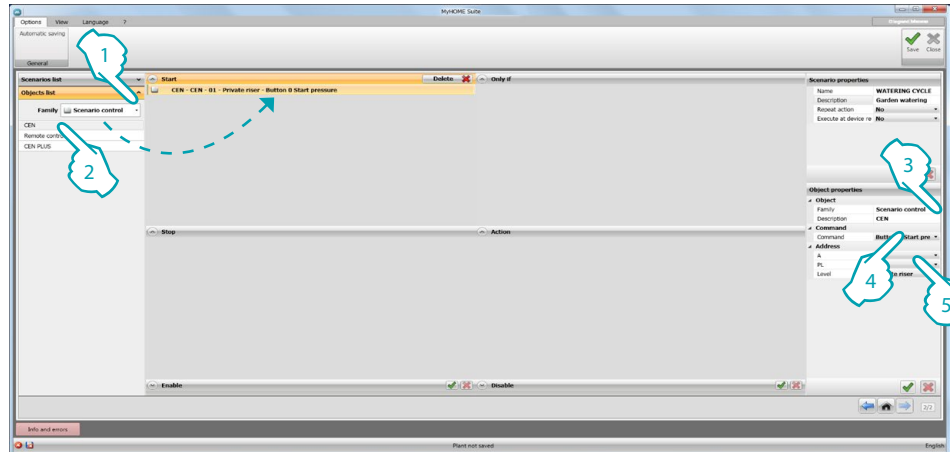
START FIELD	ACTION FIELD
<p>when to::</p> <ul style="list-style-type: none"> - every day at 20:30 or - press pushbutton 1 	<p>execute:</p> <ul style="list-style-type: none"> - solenoid valves 32 and 33 activate in alternation for a period of 10 minutes each
ONLY IF FIELD	STOP FIELD
<p>only if:</p> <ul style="list-style-type: none"> - it does not rain - there is no wind 	<p>it stops when:</p> <ul style="list-style-type: none"> - every day at 21:10 - it rains - it is windy
<p>options:</p> <ul style="list-style-type: none"> - repeat the scenario - enable/disable 	

After configuring the [parameters](#) in the global area of the software, enter the specific area to create the scenario



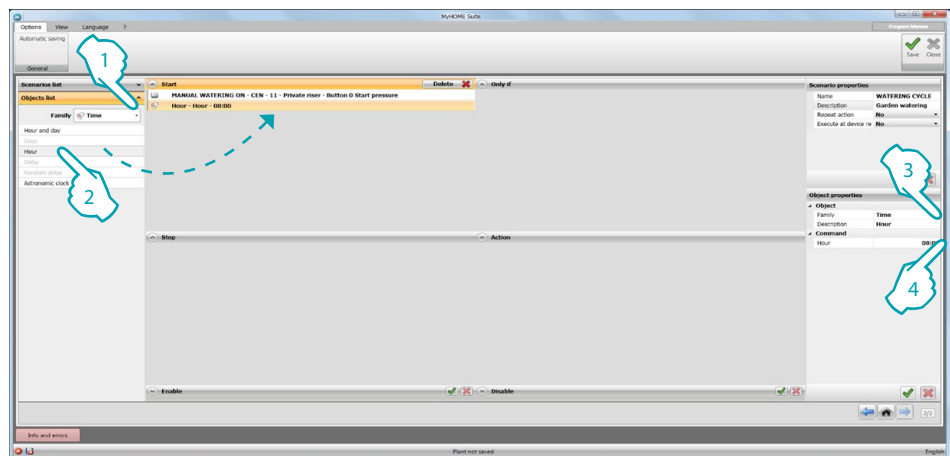
1. Add a scenario
2. Enter a name and a description for the scenario
3. Save the configuration; this operation is necessary each time the parameters of the objects are set or modified
4. Save the scenario

You can start building a scenario by including in the Start field the object **Scenario control-CEN** and configuring it so that when pushbutton 1 of device 11 (example of scenario control configured with CEN) is pressed, the scenario is executed.



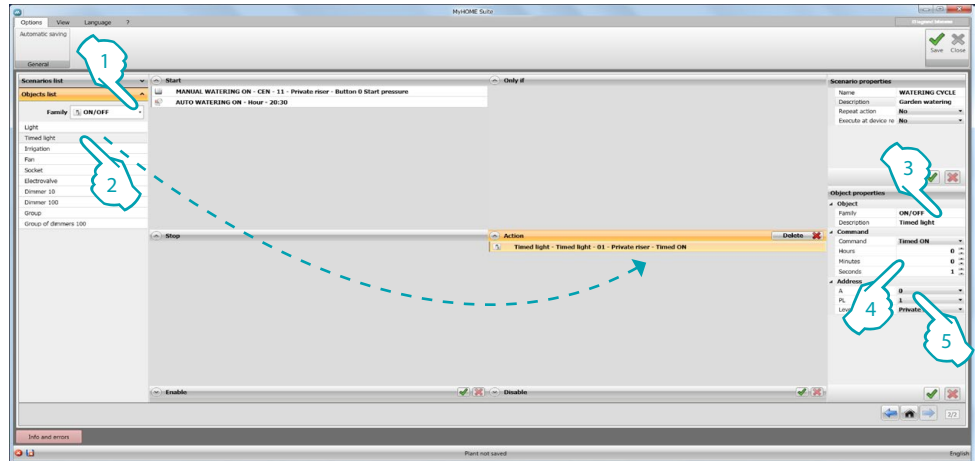
1. After clicking **Object List**, select the **Scenario control** family
2. Select the **CEN** object and drag it in the **Start** field
3. Enter a description
4. Select the pushbutton 1 and the **Start pressure** mode
5. Enter the address of the device configured as **CEN** (E.g. A1/PL11)

Insert the **Time - Hour** object to activate the scenario automatically every day at 20:30



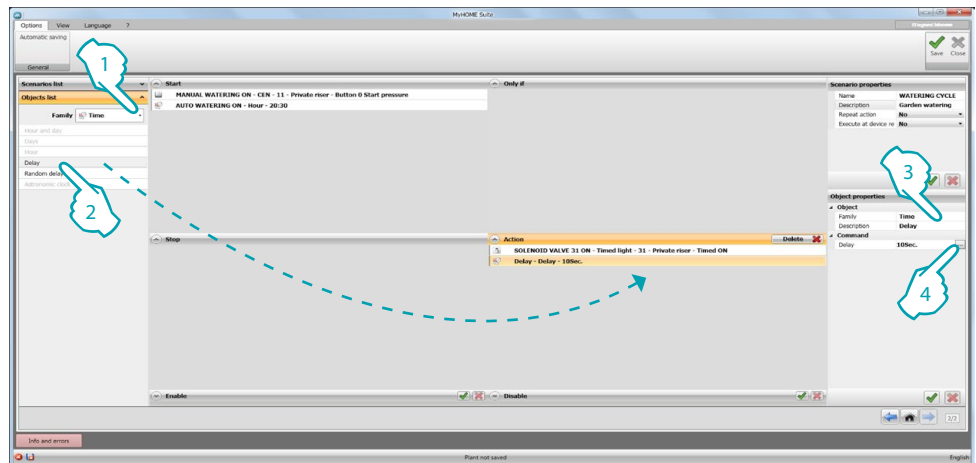
1. Select the **Time** family
2. Select the **Hour** object and drag it in the Start field
3. Enter a description
4. Enter 20:30

After configuring the events activating the scenario, you can set the actions that will be performed, i.e. the activation of the solenoid valves for watering the garden. For this purpose it is possible to use the object **ON/OFF – Timed light**



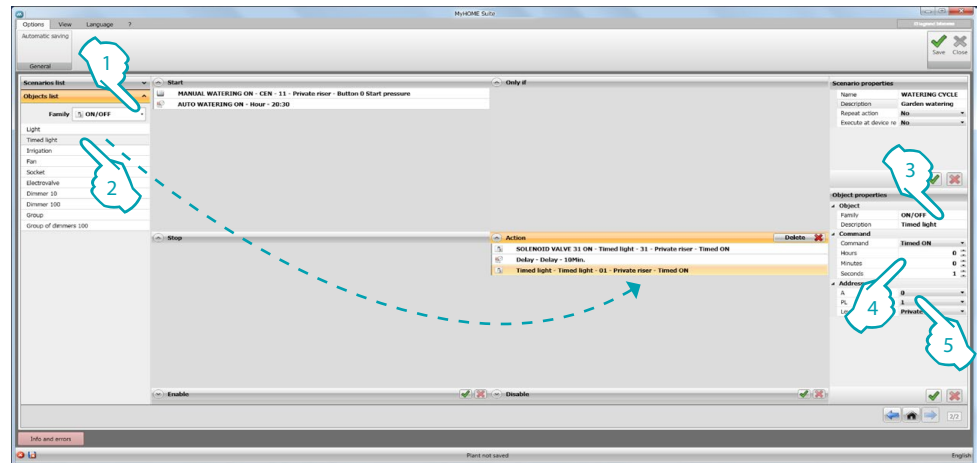
1. Select the **ON/OFF** family
2. Select the **Timed light** object and drag it in the Action field
3. Enter a description
4. Enter the time during which solenoid valve 31 will remain active (e.g. 10 minutes)
5. Enter the device address (E.g. A3PL1)

To create an activation alternation between the two electric pumps, use the object **Time - Delay**



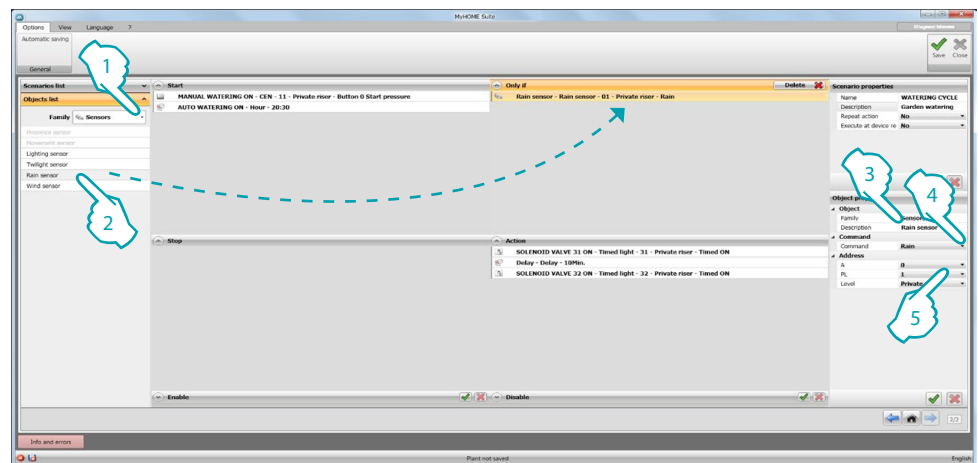
1. Select the **Time** family
2. Select the **Delay** object and drag it in the Action field
3. Enter a description
4. Enter the time that must elapse before electric pump 32 is activated (e.g. 10 minutes)

Now configure the activation of the second electric pump by using the object **ON/OFF - Timed light**



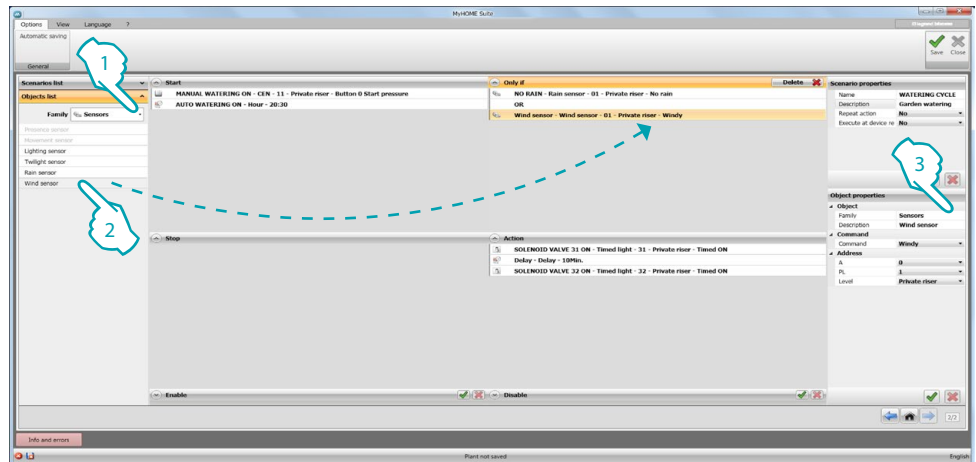
1. Select the **ON/OFF** family
2. Select the **Timed light** object and drag it in the **Action** field
3. Enter a description
4. Enter the time during which solenoid valve 32 will remain active (e.g. 10 minutes)
5. Enter the device address (E.g. A3PL2)

Now set the limitations for the execution of the scenario: for example to make sure that the garden is only watered when it is not raining and there is no wind. For this purpose use the object **Sensors - Rain sensor** and drag it in the **Only if** field

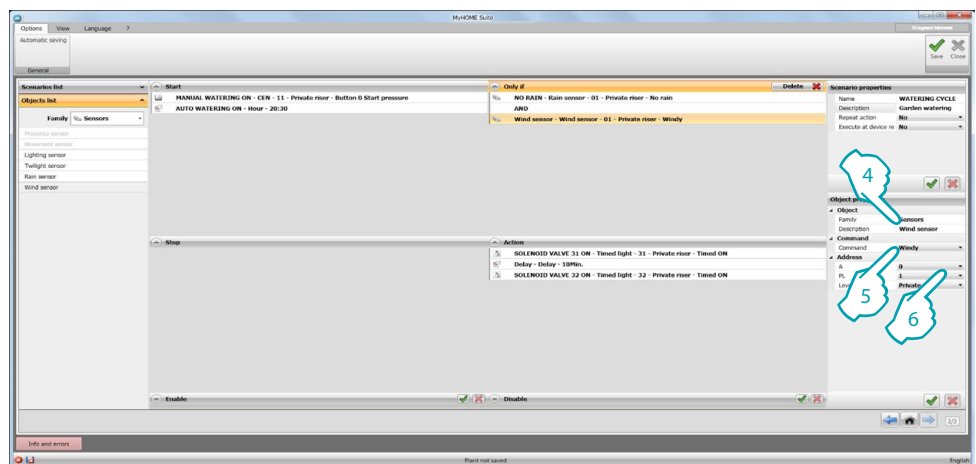


1. Select the **Sensors** family
2. Select the **Rain sensor** object and drag it in the **Only if** field
3. Enter a description
4. Select the condition that allows the execution of the scenario (e.g. not raining).
5. Enter the device address (E.g. A0PL1)

Also insert the **Sensors - Wind sensor** object and decide its connection with the rain object. When you insert another condition, the program in fact automatically includes the operator object, which in this case assumes an “and” value. In this way, the garden is watered when it does not rain and there is no wind

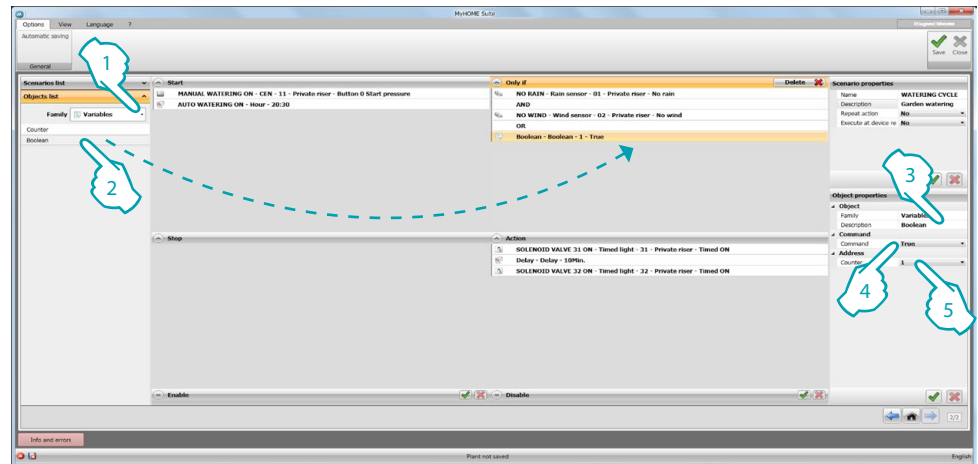


1. Select the **Sensors** family
2. Select the **Wind sensor** object and drag it in the Only if field
3. Select the operator (E.g. and)



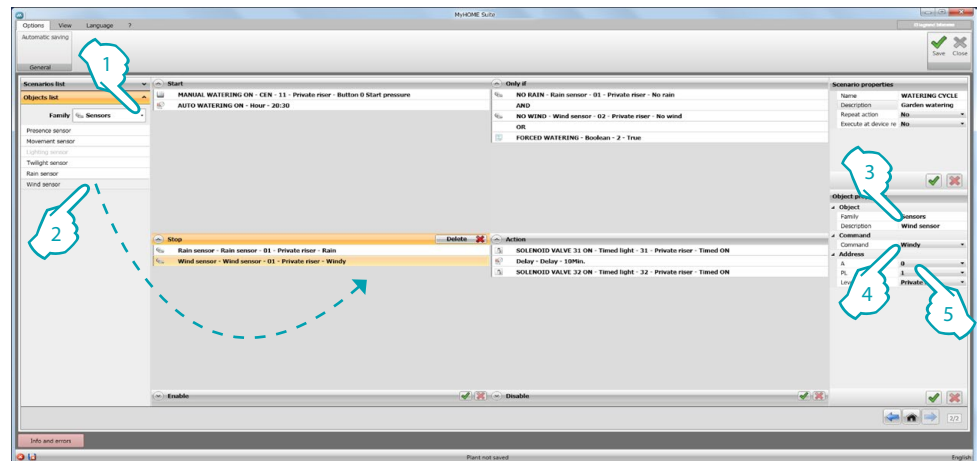
4. Enter a description
5. Select the condition that allows the execution of the scenario (e.g. no wind).
6. Enter the device address (E.g. A0PL2)

If you want the possibility of forcing the watering of the garden even when it is raining or is windy, you can use the **Variables - Boolean** object, including a variable with True basic condition, and then changing the status to false using the dedicated command. Set the operator as OR.



1. Select the **Variables** family
2. Select the **Boolean** object and drag it in the **Only if** field and set the operator as **OR**.
3. Enter a description
4. Select the condition that confirms the previous ones (e.g. True)
5. Enter the variable address

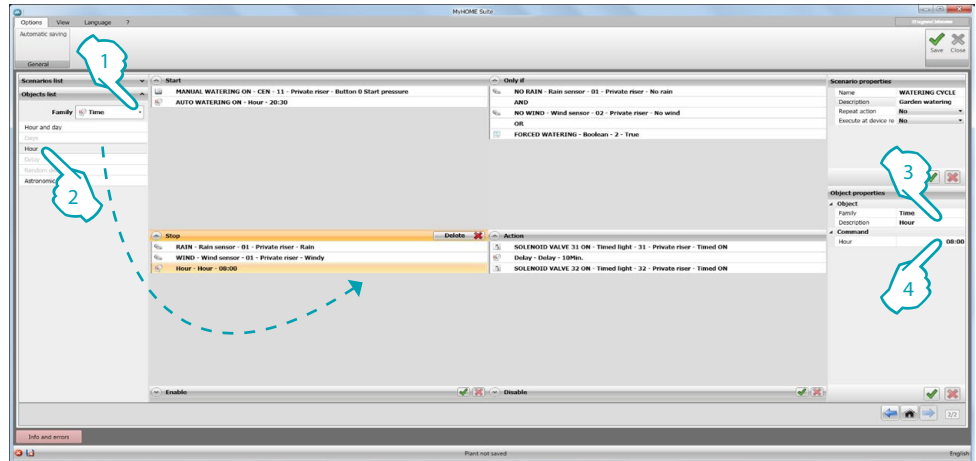
It may also be useful to enter in the **Stop** field some objects that in certain conditions will stop the sequence of actions included in the **Action** field.



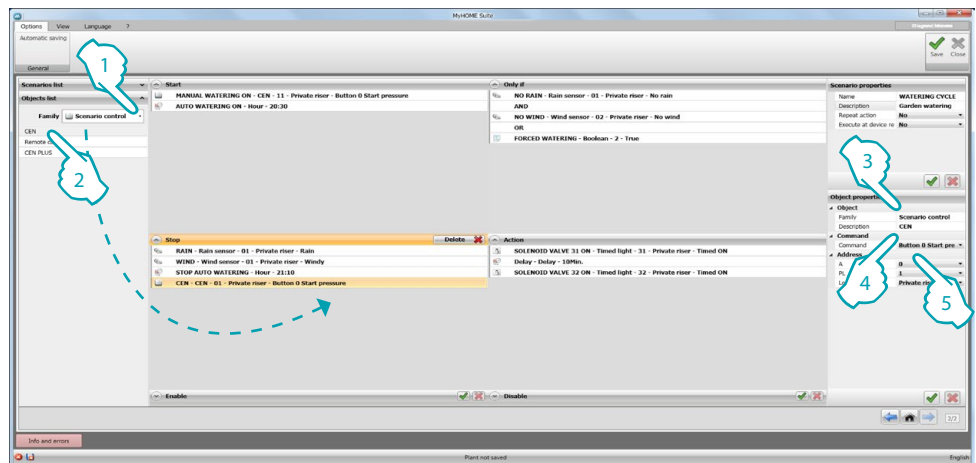
1. Select the **Sensors** family
2. Select the **Rain sensor** object and drag it in the **Stop** field
3. Enter a description
4. Select the condition that stops the execution of the scenario (e.g. it rains)
5. Enter the device address (E.g. A0PL1)

Repeat the same action by inserting a **Wind sensor**

To complete, insert a time condition (**Time - HOUR** object) to stop the scenario automatically at a certain time, and a manual stop command (**Scenario control - CEN** object)

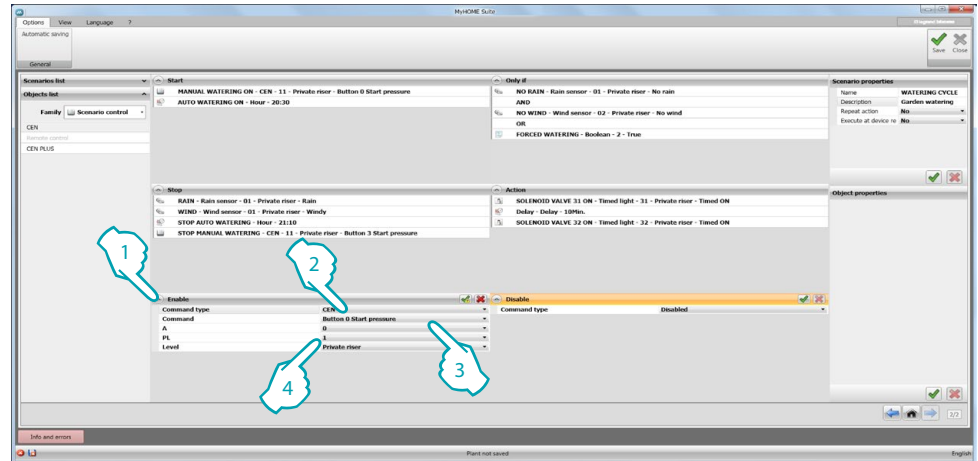


1. Select the **Time** family
2. Select the **HOUR** object and drag it in the Stop field
3. Enter a description
4. Enter the time when the sequence of actions will be stopped (e.g. 21:10)

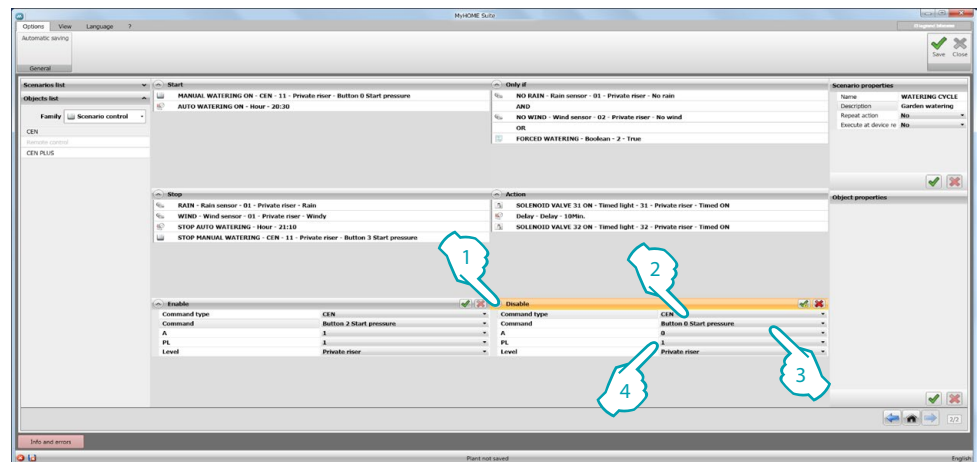


1. Select the **Scenario control** family
2. Select the **CEN** object and drag it in the Stop field
3. Enter a description
4. Select the pushbutton 3 and the Start pressure mode
5. Enter the address of the device configured as CEN (E.g. A1/PL11)

In order to complete the configuration of the scenario, setting enabling/disabling commands can also be useful. Disabling the scenario means to ensure that even if a **Start** condition occurs, the scenario does not start.

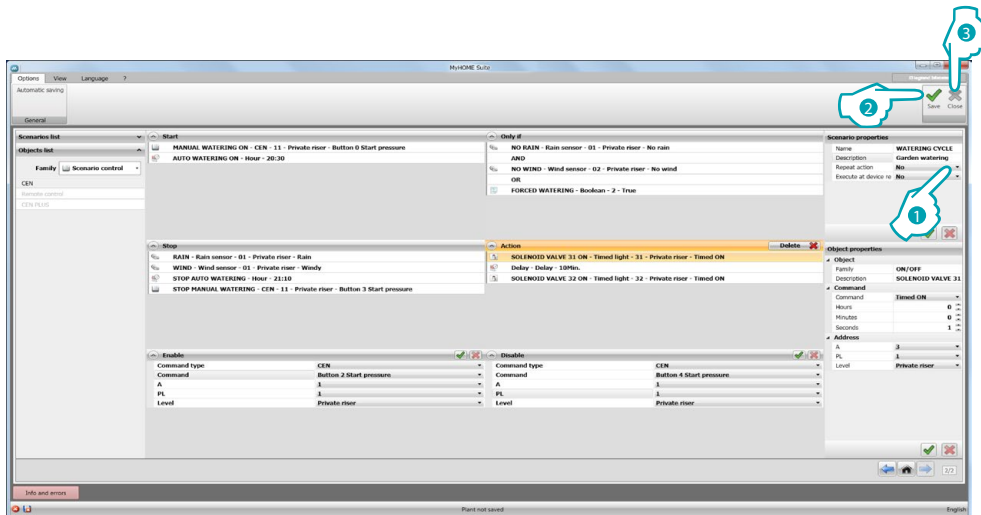


1. Click to configure the **Enable** control
2. Select the mode between **CEN** and **CEN plus**
3. Select the pushbutton 2 and the **Start pressure** mode
4. Enter the address of the device configured as CEN (E.g. A1/PL11)

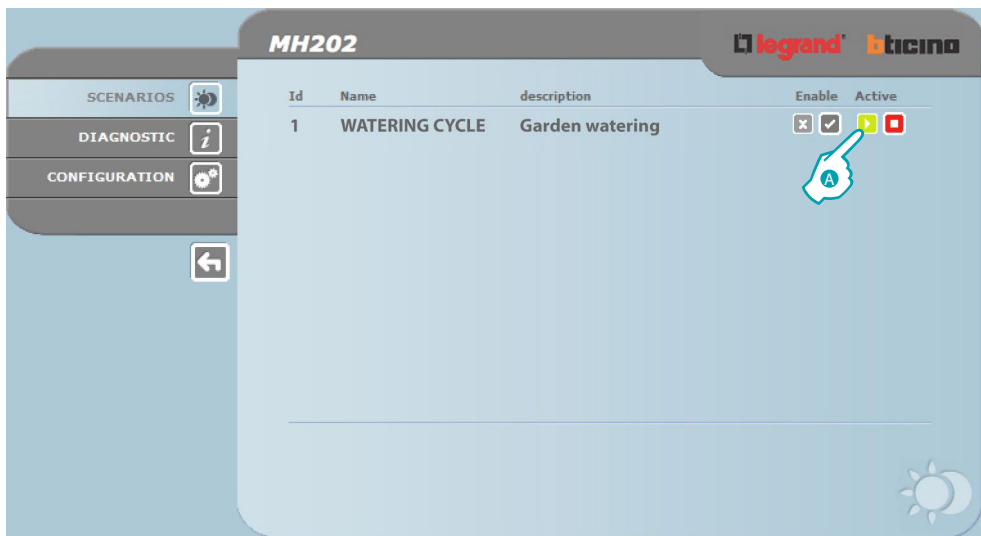


1. Click to configure the **Disable** control
2. Select the mode between **CEN** and **CEN plus**
3. Select the pushbutton 4 and the **Start pressure** mode
4. Enter the address of the device configured as CEN (E.g. A1/PL11)

The scenario is now complete; to make it cyclical, set **Scenario properties/Repeat Action** to YES (1), click (2) to save, and click (3) to return to the global software area, from where the device configuration can be sent



Using the web page (A) and/or a scenario command (B) the user will now be able to use the scenario



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