home automation

HOASIS+ PLUS

Home automation for everyone

bpt

irrigation

temperature control

awning automation

lighting

gas leak check

shutter automation

gate automation

Everythinks is under control with HOASIS PLUS

HOASIS PLUS: all you have to do is lightly touch the control terminal, touch screen, to access the services required. A series of miniaturised interface devices placed at home in recessed boxes or in DIN panels are able to manage the most common commands and the traditional activations. This includes lighting system control, awning and shutter automation, temperature control in all zones, activation of irrigation, and checks for water and gas leaks, etc. Functions can be programmed directly from the terminal or via PC, without having to handle wiring and without configuration jumpers.


HOASIS+ PLUS

HOASIS+ PLUS

Everything is under control

Hoasis Plus lights up the garden.

You can control any kind of lighting and set its duration. Perfect for creating lighting scenarios.

Hoasis plus controls the temperature throughout the home.

You can manage various heating zones, assigning different temperatures to each of them. A series of pre-set programmes and adjustment on three temperature levels lets you satisfy any comfort need at the programmed times and days.

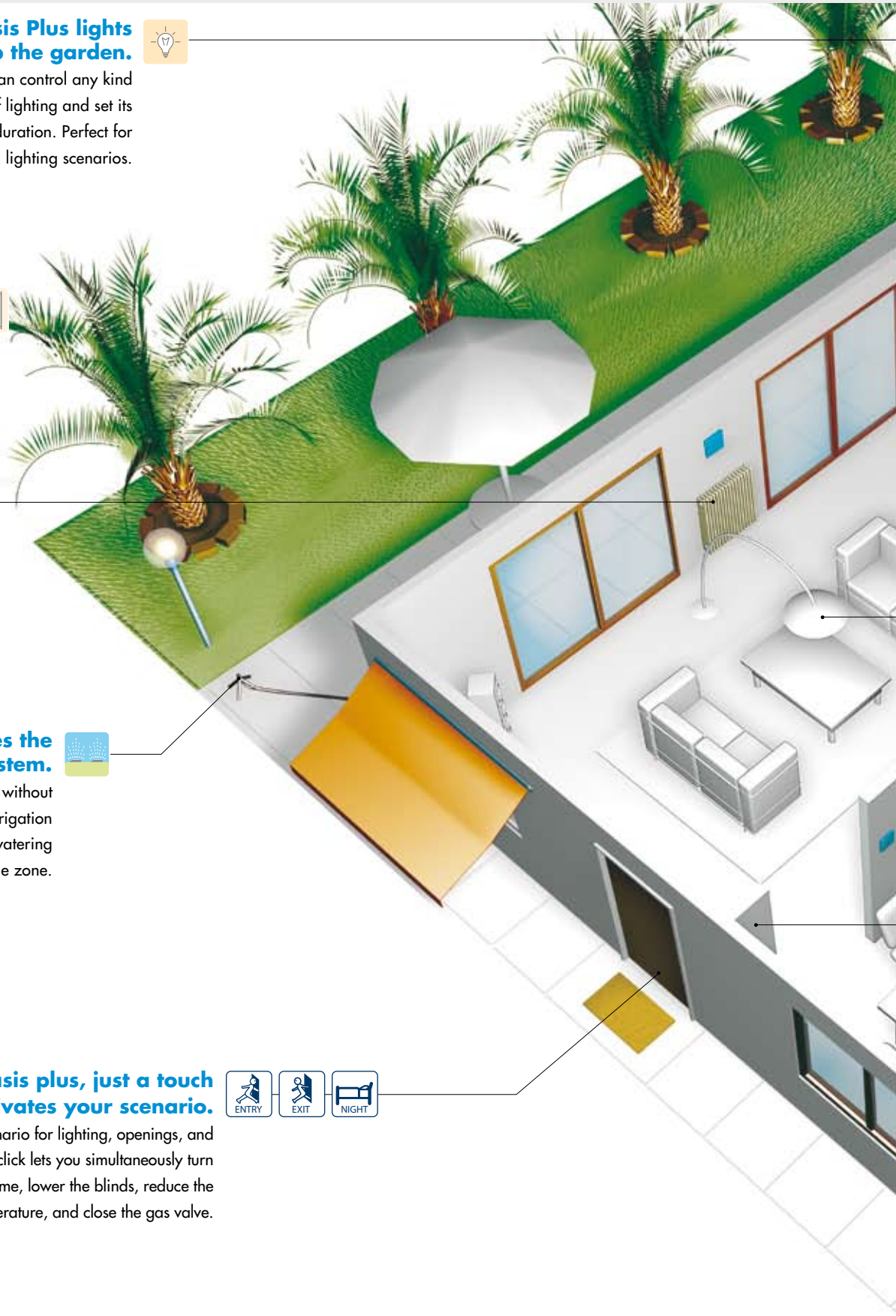
Hoasis Plus activates the irrigation system.

You can create a system, without having to purchase expensive irrigation equipment, and customise watering times for every single zone.

Hoasis plus, just a touch activates your scenario.

ENTRY EXIT NIGHT

You can choose any scenario for lighting, openings, and climate control. Just a click lets you simultaneously turn off all the lights in the home, lower the blinds, reduce the temperature, and close the gas valve.



bpt

Hoasis plus lights up the whole home.

From just one place, you can turn all the lights in the home on or off, zone by zone or point by point, and you can even adjust the brightness.

Hoasis plus means that you can be at home even when you are somewhere else.

With the GSM communicator, by SMS you can remotely control some of the system functions, and receive status and alarm signals. From your mobile you can activate pre-set scenarios, control the heating system to turn it on or off, adjust the temperature or receive information on the system operating status (technical alarm signals, scenario activation/deactivation signals, mains status signals, heating zone status signals).

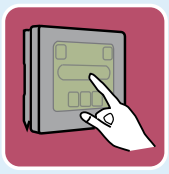
Hoasis plus opens and closes the whole home.

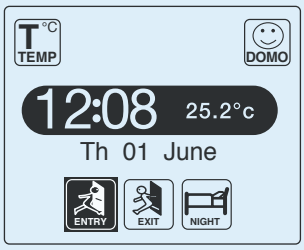
You can control, from just one place, curtains, blinds, shutters, skylights or any other movement application. With the timer function, you can create lighting and ventilation scenarios in the rooms. You can stop the elements in a certain position, and to prevent overloads in the electrical system, you can sequentially programme the activation times.

HOASIS+ PLUS
The terminal

The system is based on a touch screen terminal that lets you program, monitor and activate all system components and thus all connected electrical activations, from normal electrical loads to the most common automation systems. Without modifying wiring and without having to touch what has previously been undertaken, you can obtain an open, flexible system that is capable of expanding functions and performance over time. Once installed, the system is easy to monitor and offers remote management. Remote management enables the user to check the system status at any time and operates in case of anomalies.

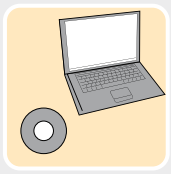
From 64 to 255 activations





Programming via terminal

The standard terminal allows you to manage up to 64 activations and up to 71 control inputs, divided between the heating menu and home automation menu. In this case, the various devices can be programmed from the terminal using icon menus that make everything easy and intuitive. For each electrical activation (relay) you can set the operating mode (on/off, step-by-step, dimmer, etc.) so that you can interface not only with the normal electrical loads but also with the most common automation systems. 16 timer controls and 3 scenarios complete the available functions. This is the basic solution, to be used where automation needs require a simple, ready-to-use product, with a minimum level of customisation.



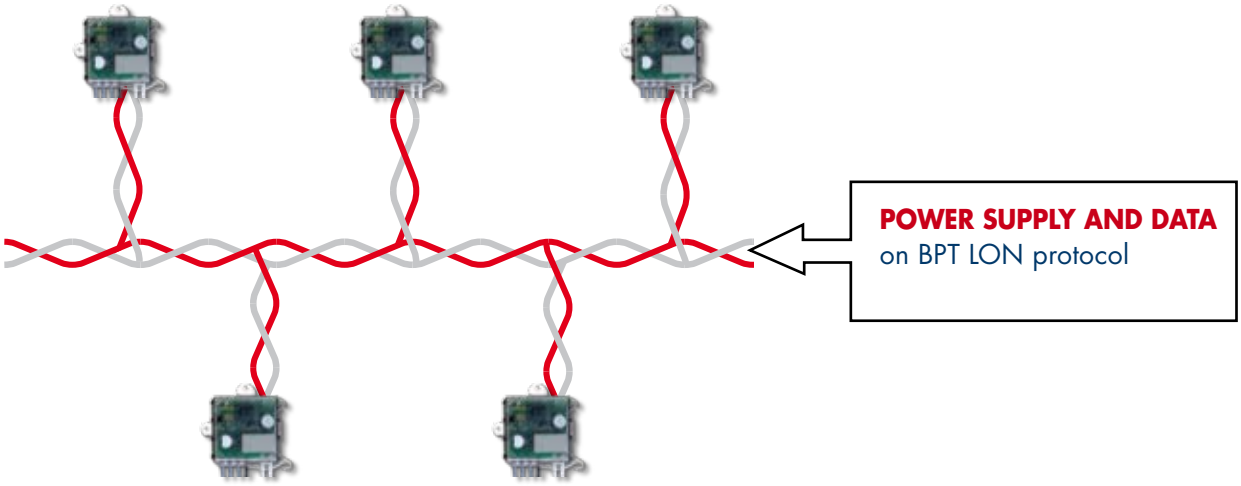
Programming via PC

When you use the programming software, you obtain a substantial increase in system performance. In fact, you can manage up to 255 activations and 255 control inputs. In this case, to facilitate use of the terminal, all available functions can be grouped into various menus: heating zone menu, lighting menu, automation menu, timer menu and scenario menu. Up to 3 terminals can be installed in the same system. Using the software, you can customise for each terminal the functions which are to be used. In the various menus, you can manage up to 100 lights, 40 automations (awnings, shutters, etc.), 20 heating zones, 40 timers and up to 16 scenarios.

HOASIS+ PLUS

The BUS BPT system

A programmable logic system for HOME AUTOMATION. The system is made up of a series of input/output devices that communicate and are powered by a non-polarized twisted pair.

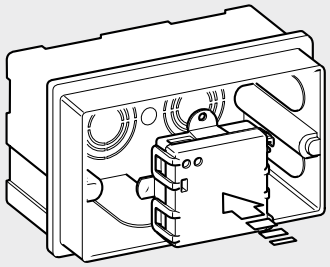


The input and/or output devices allow interface with the traditional controls of all civil series (switches, buttons, sensors) and with various electrical loads such as lights, motors, and solenoid valves. The devices are available in the modular or miniaturized versions. The latter can be placed in the recessed boxes of three or more modules, directly on din rails in the electrical panel or directly on the wall in a suitable compartment.

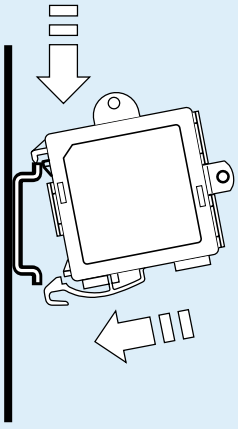
OH/A.01

OH/RI

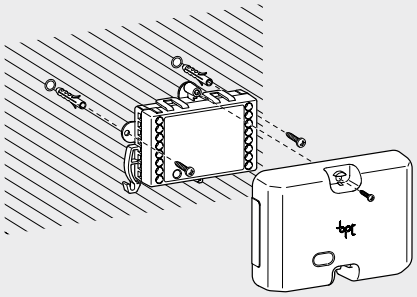
OH/3RPI



Installation in recessed box

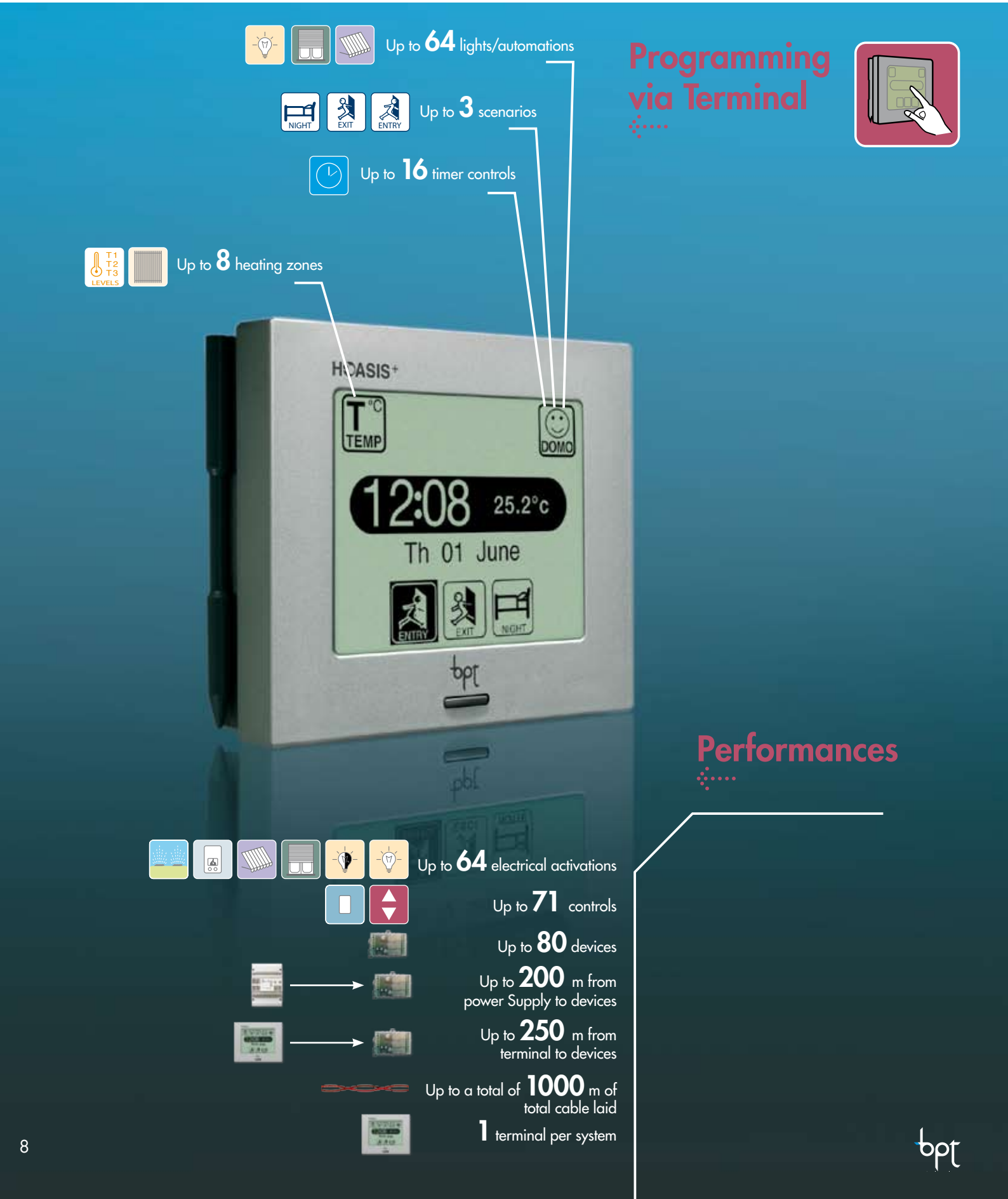


Installation on DIN rail



Wall installation

HOASIS+ PLUS
Comparing performances



Programming via PC

Up to **20** heating zones

Up to **100** lights

Up to **40** automations

Up to **16** scenarios

Up to **40** timer controls

Performances

Up to **255** electrical activations

Up to **255** controls

Up to **80** devices

Up to **200** m from power Supply to devices

Up to **250** m from terminal to devices

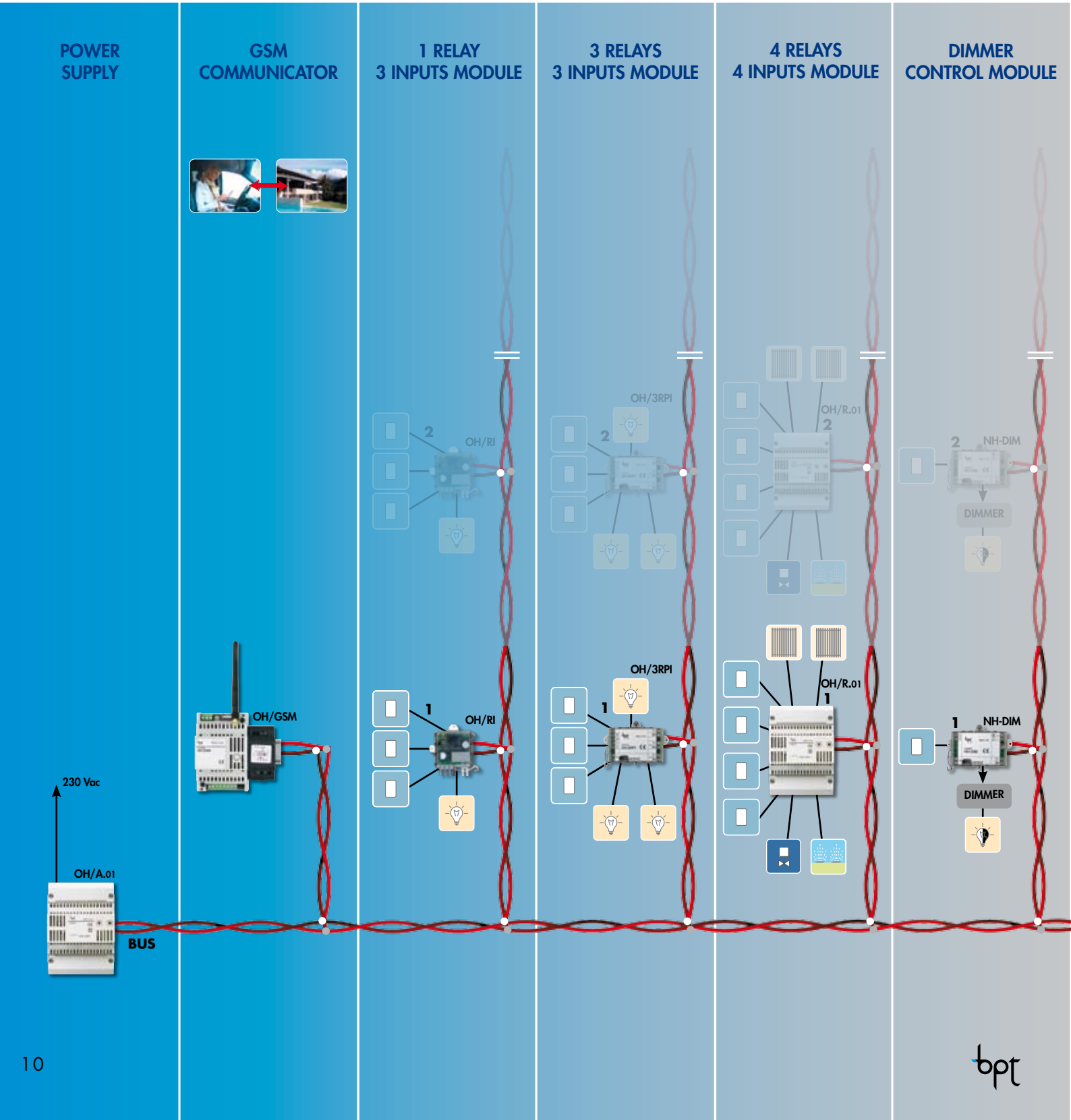
Up to a total of **1000** m of total cable laid

3 Terminals per system

HOASIS+ PLUS
Easy to install

Great compatibility.

The miniaturised devices allow interface with traditional controls available within the home (switches, sensors, push buttons) and with activations (electrical motors, lights). No special equipment is thus required.

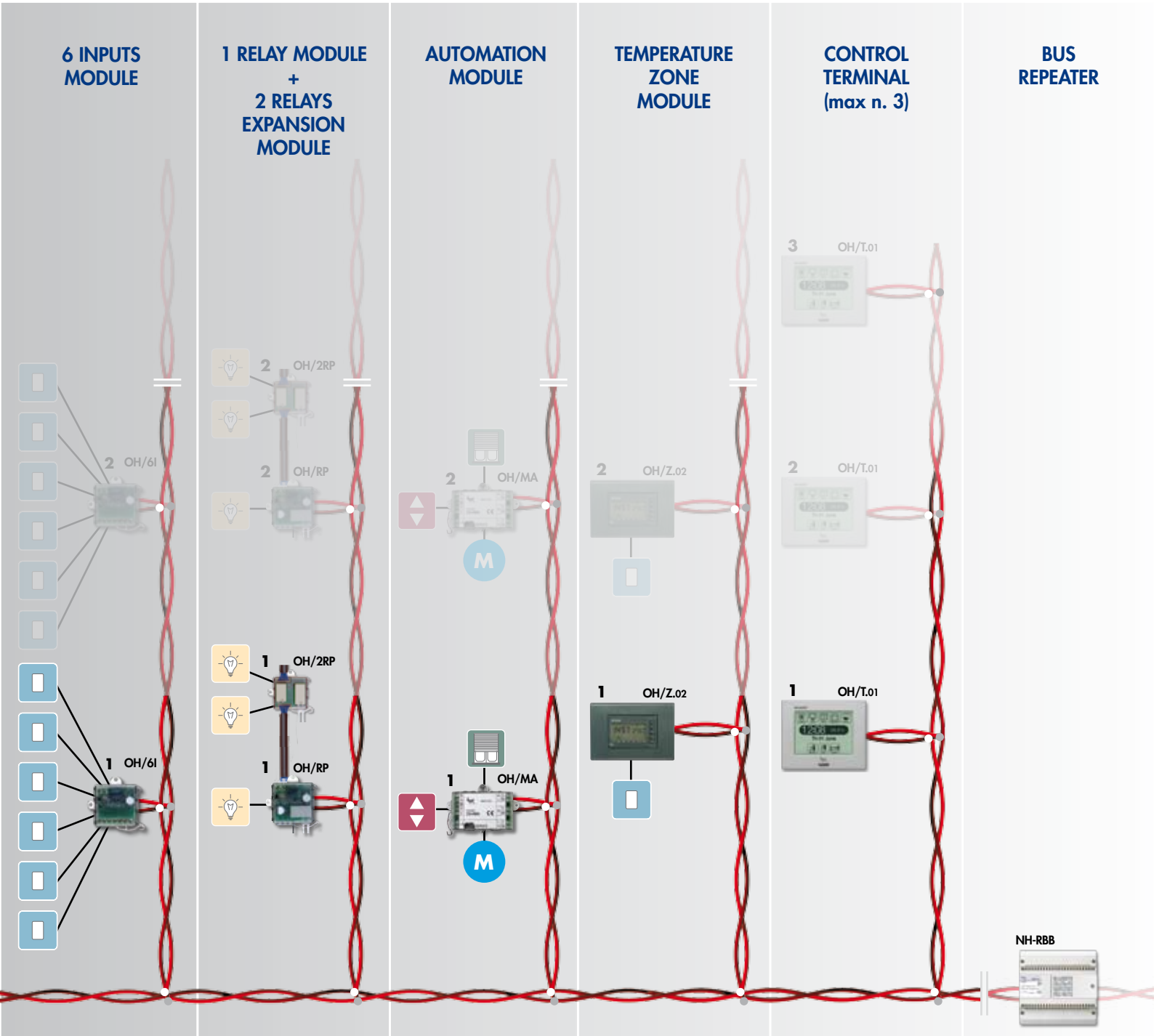


Fast installation.

The BPT bus was designed to optimise cable laying and to connect all devices by means of non-polarised simple twisted pair wiring, not restricted by dedicated paths.

Hoasis Plus complements everything. Automatically.

You can set the control logic for each of the 255 activations. This provides complete adaptability with the most commonly used automation systems and with the main lighting controls.



HOASIS+ PLUS

Components

OH/T.01
Control terminal
PRODUCT CODE: 6720-0110

Installed inside the home, and wired with non-polarised twisted pair, it allows programming, monitoring and activation of all system components, and therefore of all connected electrical activations.
For each electrical activation (relay) you can set the operating mode (ON/OFF, step-by-step, dimmer, etc.) so that you can interface not only with the normal electrical loads but also with the most common automation systems.
The terminal has a default set-up that allows you to manage up to 64 activations and up to 71 control inputs, divided between the heating menu and home automation menu. In this case, the various devices can be programmed directly from the terminal.
The graphic interface of the terminal can be completely modified through the programming software, and functional performances can also be increased to up to 255 activations and up to 255 control inputs.
In this case, to facilitate use of the terminal, all available functions can be grouped into various menus: heating zone menu, lighting menu, automation menu, timer menu and scenario menu.

General characteristics
Display: Back-lit LCD touch screen display
Protection rating: IP30
Operating temperature: from 0° C to +35° C
Dimensions: 116x95x27 mm
Power supply: from bus line
Connections to system: non-polarised twisted pair

Thermal characteristics
No. of heating zones: up to 20
Operating mode: Manual, Automatic, System Bypass
Selectable programs: Heating, Cooling
Anti-freeze temperature: +8° C
Field of temperature adjustment: from +2° C to +35° C

Home automation zone characteristics
No. of home automation zones: up to 255
No. of controls: up to 255
Control functions: direct, impulse, on/off, step-by-step, house, dimmer
Timer controls: up to 40 programmable
No. of scenarios: 16 programmable
No. of activatable lights: up to 100
No. of activatable openings: up to 40

OH/A.01
Power supply
PRODUCT CODE: 6700-0110

This is always required for the system to work as it manages the power supply of all the devices in the system (control terminal, zone modules, relay modules, etc.) directly via bus (non-polarised twisted pair). It has 2 terminals for connection to an optional back-up battery.

General characteristics
Power supply: 230 V 50/60 Hz electronically protected
Electrical input: 10 VA
Emergency power supply: 24 V DC, AC 500 mA (from external devices)
Operating temperature: from 0° C to +35° C
Dimensions: low-profile 6-unit module for installation on DIN rail
Connections to system: non-polarised twisted pair

OH/AS
Emergency power supply
PRODUCT CODE: 6700-0600

The Hoasis Plus emergency power supply cuts in automatically in the event of a black-out, preserving the power supply to all the devices in the system so that all the connected electrical applications return to their previous status when the power supply is restored. The power supply must be connected to 2 lead accumulators (OH/B065); the emergency power supply recharges them, guaranteeing efficiency and a long working life.

General characteristics
Power supply: 230 V 50/60 Hz electronically protected
Power absorption: 35 VA
Emergency power supply: 24 Vcc 500 mA (from OH/B065)
Operating temperature: from 0 °C to +35° C
Dimensions: low-profile 8-unit module for installation on DIN rail
Connections to system: non-polarised twisted pair

OH/B065
Rechargeable battery
PRODUCT CODE: 6790-0500

Connected to the supplementary power supplier, they preserve the mains bus power supply, and keeps all the Hoasis devices powered for up to 10 hours.

General characteristics
Output voltage: 12 V DC
Output current: 6.5 A/h
Dimensions: 151x101x65 mm

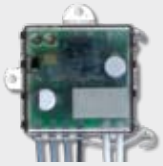
OH/R.01
4 relays 4 inputs module
PRODUCT CODE: 6760-0110

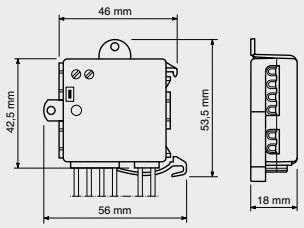
Allows connection of 4 inputs from control devices (push buttons, sensors, etc.) and 4 outputs for as many electrical loads. The 4 relays used for the outputs are particularly recommended for electrical uses that require switched contacts (e.g. zone valves for heating management systems).

General characteristics
Power supply: from bus line
Type of contact input: NO and NC, without cross passage of current or voltage at ends
No. of relays: 4
Type of relay: 250 V max, 5 A max with resistive load (2 A max with inductive load) - switched contacts
Type of relay action: 1 B-U
Operating temperature: from 0° C to +35° C.
Dimensions: low-profile 6-unit module for installation on DIN rail
Connections to system: non-polarised twisted pair

OH/RI
1 relay 3 inputs module
PRODUCT CODE: 6760-0300

Realised on a miniaturised container, it allows connection of 3 inputs from control devices (push buttons, sensors, etc.) and 1 output for an electrical load. This is particularly recommended for the activation of applications that require on-site location (e.g. activation of lights with switch/shunt controls).

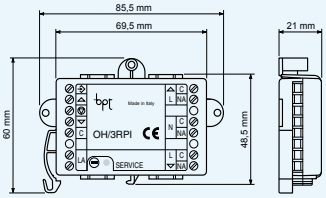




General characteristics
Power supply: from bus line
Type of contact input: NO and NC, without cross passage of current or voltage at ends
No. of relays: 1
Type of relay: 250 V max, 5 A max with resistive load (2 A max with inductive load) - NO contact
Operating temperature: from 0° C to +35° C.
Dimensions: low-profile 1-unit module for installation on DIN rail
Connections to system: non-polarised twisted pair

OH/3RPI
3 relays 3 inputs module
PRODUCT CODE: 6760-0700

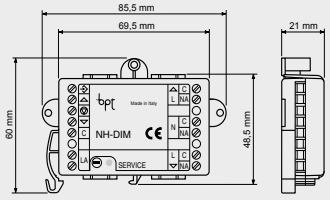
Realised on a miniaturised container, it allows connection of 3 inputs from control devices (push buttons, sensors, etc.) and 3 outputs for electrical loads.



General characteristics
Power supply: from bus line
Type of contact input: NO and NC, without cross passage of current or voltage at ends
No. of relays: 3
Type of relay: 250 V max, 16 A max with resistive load (5 A max with inductive load) - NO contact
Operating temperature: from 0° C to +35° C.
Dimensions: low-profile 1-unit module for installation on DIN rail
Connections to system: non-polarised twisted pair

NH-DIM
Dimmer control module
PRODUCT CODE: 6760-0800

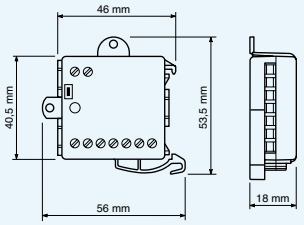
The module, equipped with 1 relay and a 1÷10 V DC output, lets you control a dimmer with a 1÷10 V DC input for incandescent lamps.



General characteristics
Power supply: from bus line
No. of relays: 1
Type of relay: 16 A for DIMMER or resistive loads, 5 A for inductive loads- NO contact
Operating temperature: from 0° C to +35° C.
Dimensions: low-profile 1-unit module for installation on DIN rail

OH/6I
6 inputs module
PRODUCT CODE: 6760-0200

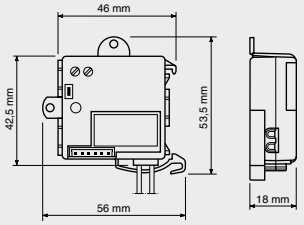
Realised on a miniaturised container, it allows connection of 6 inputs from control devices (push buttons, sensors, etc.)



General characteristics
Power supply: from bus line
Type of contact input: NO and NC, without cross passage of current or voltage at ends
Operating temperature: from 0° C to +35° C
Dimensions: low-profile 1-unit module for installation on DIN rail
Connections to system: non-polarised twisted pair

OH/RP
1 relay module
PRODUCT CODE: 6760-0400

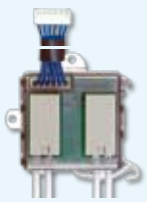
Realised on miniaturised container, with one output for electrical load. Particolarly recommended for activation of loads with high current inputs.

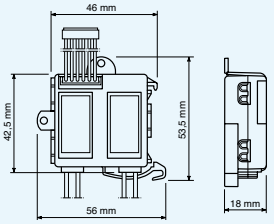


General characteristics
Power supply: from bus line
No. of relays: 1
Type of relay: 250 V max, 16 A max with resistive load (5 A max with inductive load) - NO contact
Operating temperature: from 0° C to +35° C.
Dimensions: low-profile 1-unit module for installation on DIN rail
Connections to system: non-polarised twisted pair

OH/2RP
2 relays expansion module
PRODUCT CODE: 6760-0500

Realised on a miniaturised container, with 2 outputs for the same number of electrical loads. Particularly recommended for activation of loads with high current inputs. It must always be used in conjunction with the OH/RP module, for which it is an expansion. It is equipped with a wire with a snap-in connector for connection to the OH/RP module.

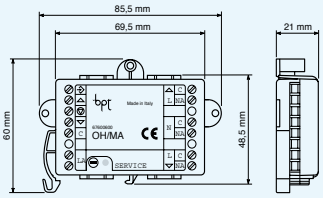




General characteristics
Power supply: from OH/RP
No. of relays: 2
Type of relay: 250 V max, 16 A max with resistive load (5 A max with inductive load) - NO contact
Operating temperature: from 0° C to +35° C.
Dimensions: low-profile 1-unit module for installation on DIN rail
Connections to system: directly to OH/RP module with wire with snap-in connector

OH/MA
Automation module
PRODUCT CODE: 6760-0600

Realised on a miniaturised container, it includes 3 power relays for management of automations (awnings, shutters, etc.) via related local control buttons. It allows control by means of three local inputs (up, down, stop) with human presence function (the shutter raises or lowers when the up or down buttons are pressed and stops when they are released) and with the "window" function (pressing the up or down keys for less than a second allows the shutter to be raised or lowered for an adjustable time with a default of 90 seconds).

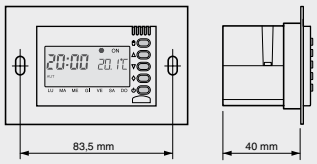


General characteristics
Power supply: from bus line
Type of contact input: NO and NC, without cross passage of current or voltage at ends
No. of relays: 3
Type of relay: 250 V max, 16 A max with resistive load (5 A max with inductive load) - NO contact
Operating temperature: from 0° C to +35° C
Dimensions: low-profile 1-unit module for installation on DIN rail
Connections to system: non-polarised twisted pair

OH/Z.02 GR
Zone module in gray color
PRODUCT CODE: 6720-0110

OH/Z.02 BB
Zone module in white color
PRODUCT CODE: 6720-1200

The module allows temperature control for the zone where it is located. From the zone module you can select the operating mode (automatic/manual), modify the room temperature (in manual operation) by a maximum of +/- 2° C or override the temperature control for the related zone.
The module is to be installed recessed in a 3-module box.



General characteristics
Display: LCD graphic
Protection rating: IP30
Operating temperature: from 0° C to +40° C
Dimensions: standard 3-module recessed box
Power supply: from bus line
Operating mode: Manual, Automatic, Zone Bypass.
Anti-freeze temperature: +8° C
Type of input contacts: 5 V 1 mA
Connections to system: non-polarised twisted pair

OH/GSM
GSM communicator
PRODUCT CODE: 6710-0600

In order to operate, the OH/GSM communicator must be equipped with a SIM card, not included in the package. Using a special message, you can find out how much credit is left on the SIM. The power supply transformer is included with the communicator. The OH/GSM module includes the possibility to connect a 12V backup battery OH/B008 (code 6790-0600), also not included in the package, which allows SMS messages to be sent in the event of an electrical power outage. It can control up to 16 scenarios and 20 heating zones as well as receive signals for up to 6 technical alarms. The communicator allows remote control and signalling functions via the sending and receipt of SMS messages to and from the telephone numbers (up to 10) saved in the phone book.

4 DIN **2 DIN**

General characteristics
Power supply: from the 15 V AC or 12 V DC supply line
Emergency power supply: 15 V DC, 800 mA (from OH/B008)
Operating temperature: from 0 °C to +40 °C
Dimensions: low-profile 6-unit module for installation on DIN rail
Connections to system: non-polarised twisted pair
Type of GSM module: GSM/GPRS Modem
DUAL BAND 900/1800 MHz
Antenna: jointed with clamping screw fastening and connection

OH/B008
Rechargeable battery for the GSM communicator
PRODUCT CODE: 6790-0600

When connected to the GSM communicator, it makes it possible to send system status messages even in the event of a mains black-out.

General characteristics
Output voltage: 12 V DC
Output current: 0.8 A/h
Dimensions: 96x62x25 mm

OH/ANT
Optional antenna for the GSM communicator
PRODUCT CODE: 6790-0700

Optional antenna that can be used in place of the antenna supplied with the communicator. Its use is recommended if there is poor reception/transmission of the signal with respect to the installation point or if the equipment is installed in metal cabinets.

General characteristics
Length Wire: 3 m
The antenna is equipped with two-sided adhesive for fastening

NH-RBB
BUS repeater
PRODUCT CODE: 6700-0400

The data line repeater connects to the BPT home automation BUS and is used when the maximum distance between devices and power supplier is exceeded, when the maximum amount of cable laid is exceeded or when the maximum number of devices for the system is exceeded. The unit is set up for connection to an emergency power supply. (12 V DC, AC).

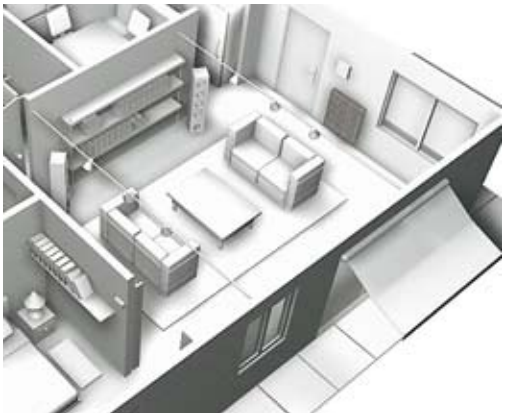
General characteristics
Power supply: 230V 50/60 Hz electronically protected
Electrical input: 24 VA
Emergency power supply: 12 V DC-AC, 1A
Operating temperature: from 0° C to +35° C
Dimensions: low-profile 8-unit module for installation on DIN rail

OH/SW
Programming software
PRODUCT CODE: 6790-0300

This is used for programming and customising all system devices and parameters, and also to create and customise the functional graphic interface of the terminal.

General characteristics
Minimum system requirements: PC Pentium III 700 MHz or higher, 128 MB RAM, 40 MB of space on HD, XGA video, Windows 98SE/ME/2000/XP/VISTA operating system
Package: software CD, USB cable, interface hardware device for programming

Activation of standard scenarios



Entry scenario

For example:

- Shutters activate one at a time and move to the desired height. The height for the shutters can be programmed with the timers*.
- Lights come on in the desired areas.

UP/DOWN

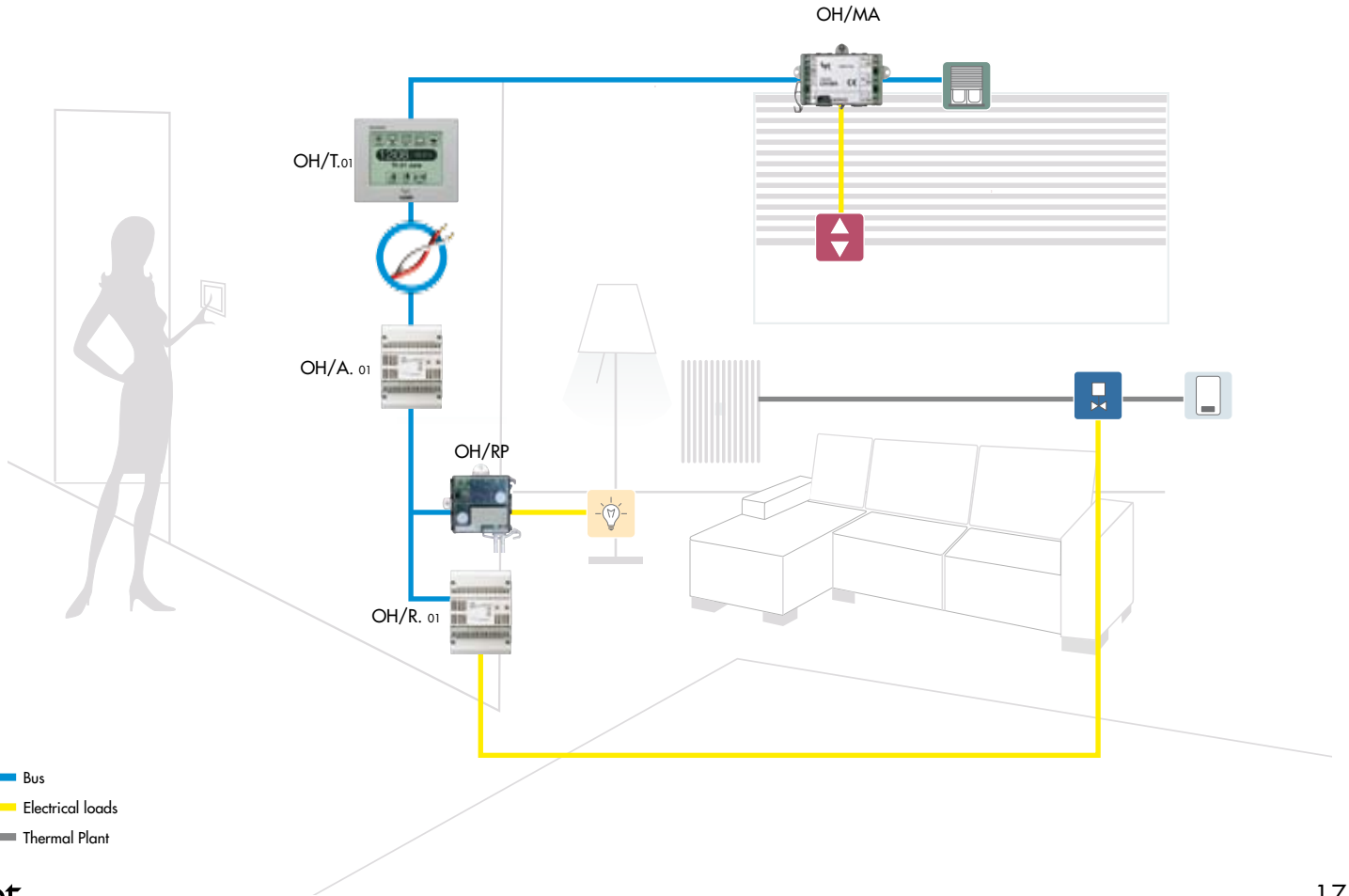
SHUTTERS

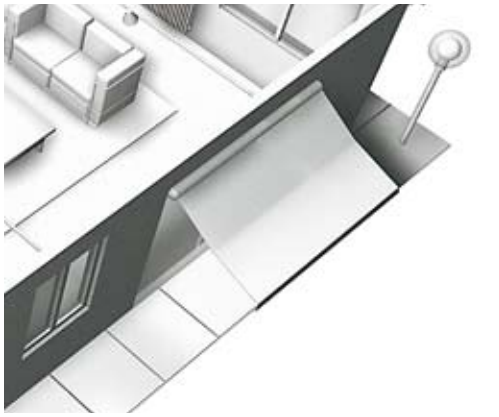
SOLENOID VALVE

BOILER

LIGHTING

* **N.B. The use of shutters requires them to be equipped with a protection device. Ensure that the system is equipped with automatic limit switches and/or a detection and stopping system in case of obstacles.**





Awning automation

With this configuration you can:

- Raise and lower awnings locally with the traditional interlocked buttons.
- Control opening and closing of all awnings in sequence at pre-set times*.
- Lower all awnings automatically at a certain time of the day or in certain lighting conditions detected by the twilight sensor connected to the system.
- Raise all awnings automatically in the event of bad weather, in accordance with commands received from the barometer.

UP/DOWN

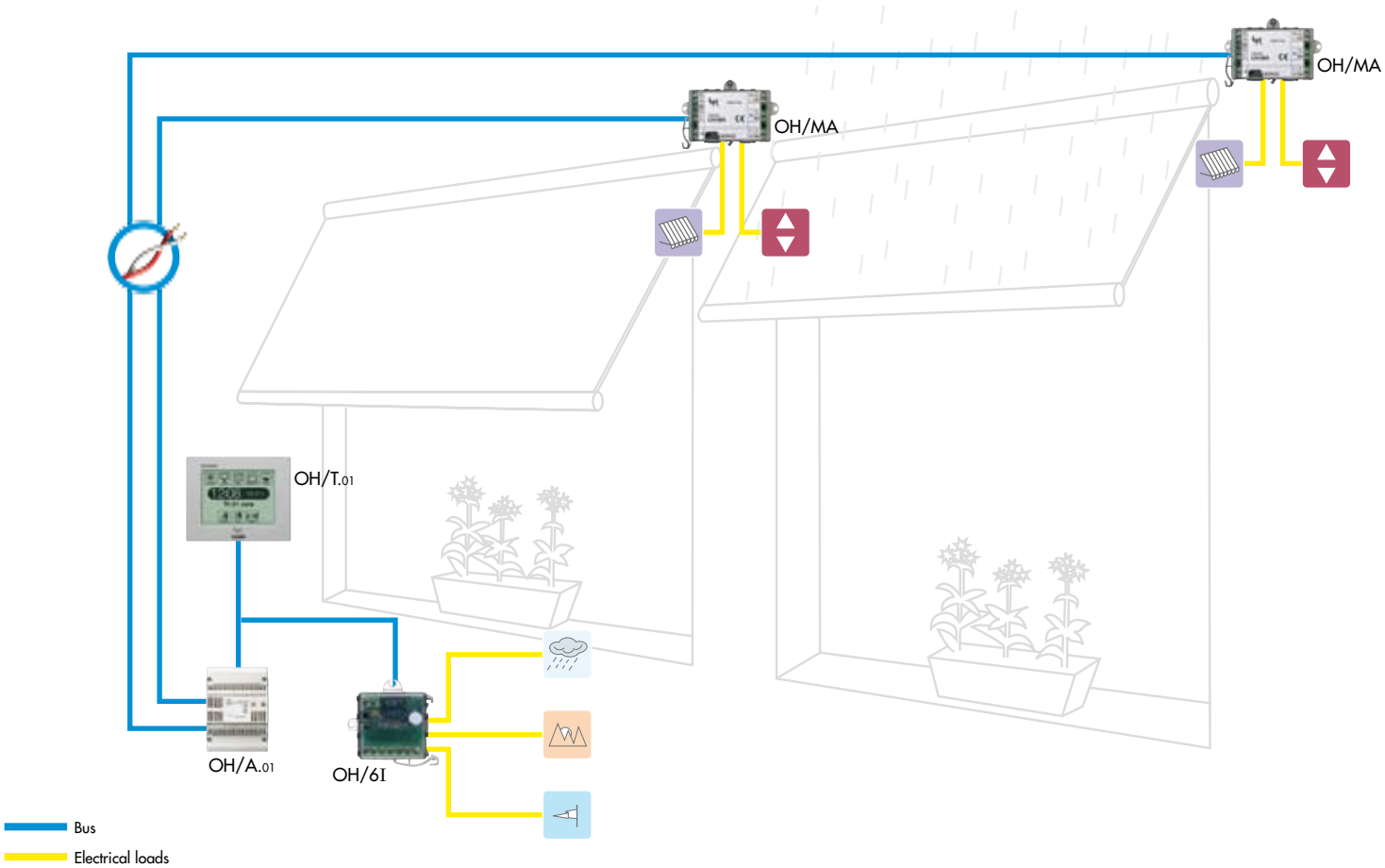
AWNINGS

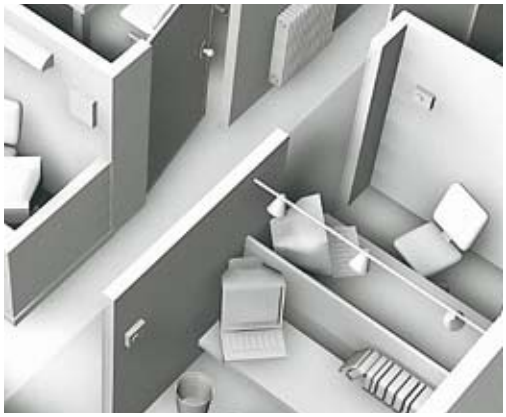
STATION BAROMETER

ANEMOMETER

TWILIGHT

* **N.B. The use of awnings requires them to be equipped with a protection device.**
Ensure that the system is equipped with automatic limit switches and/or a detection and stopping system in case of obstacles





Internal lighting

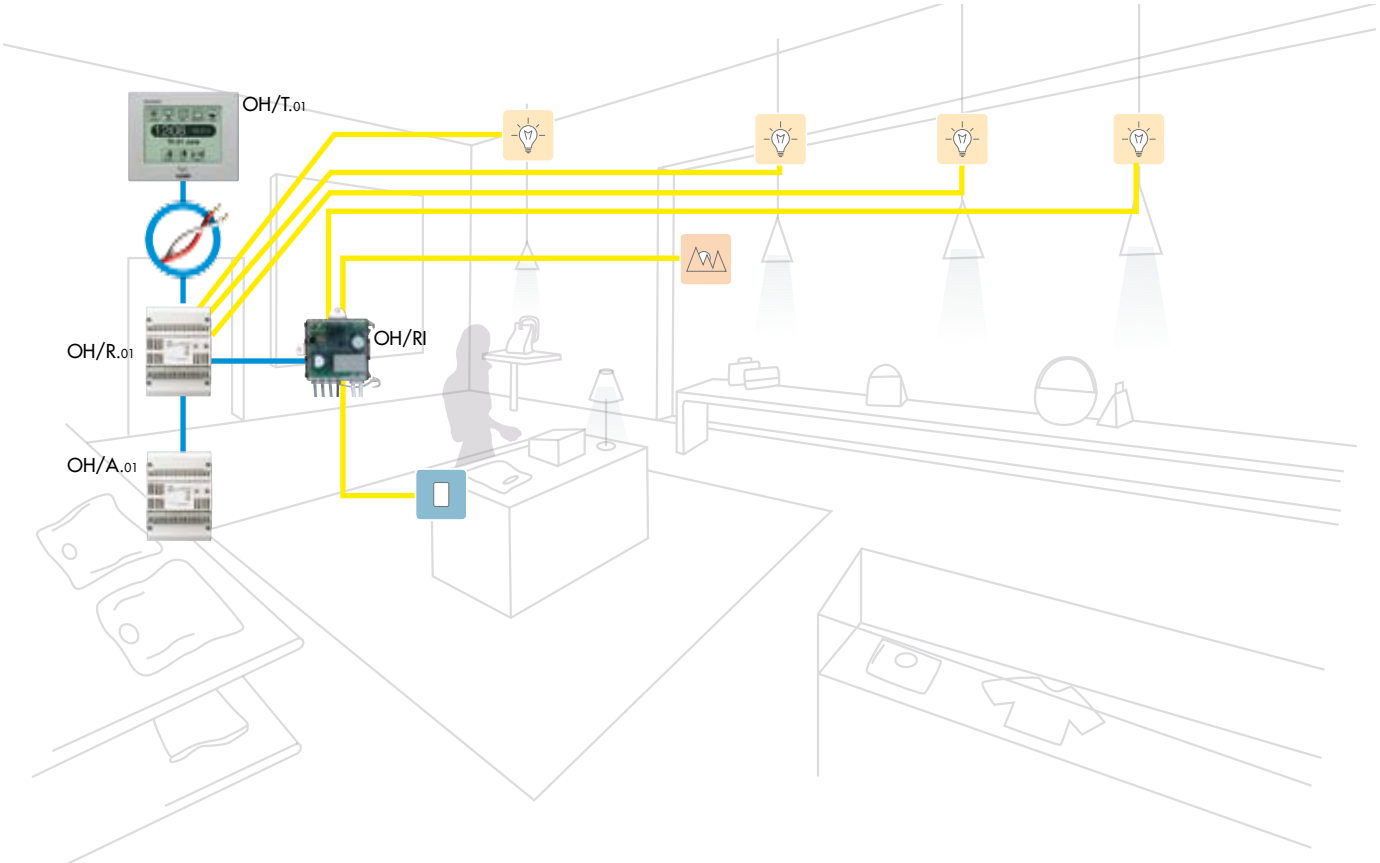
With this configuration you can:

- Control all lighting equipment from a single point.
- Control lighting equipment locally from related buttons.
- Switch lights on automatically (for example display windows) at certain pre-set times from OH/T and with permission from a twilight sensor.
- Switch all lights on or off via the IN and OUT scenarios, programming the sequence to create a pleasant scenic effect.

ON/OFF

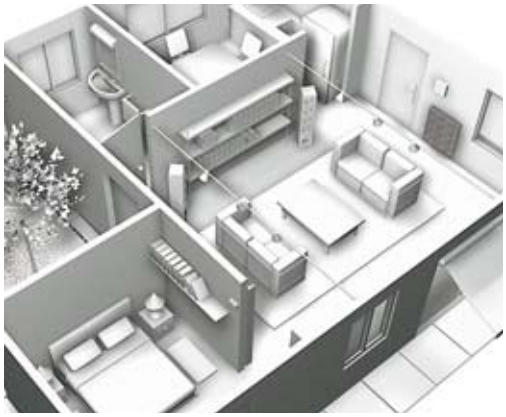
LIGHTING

TWILIGHT



Bus

Electrical loads



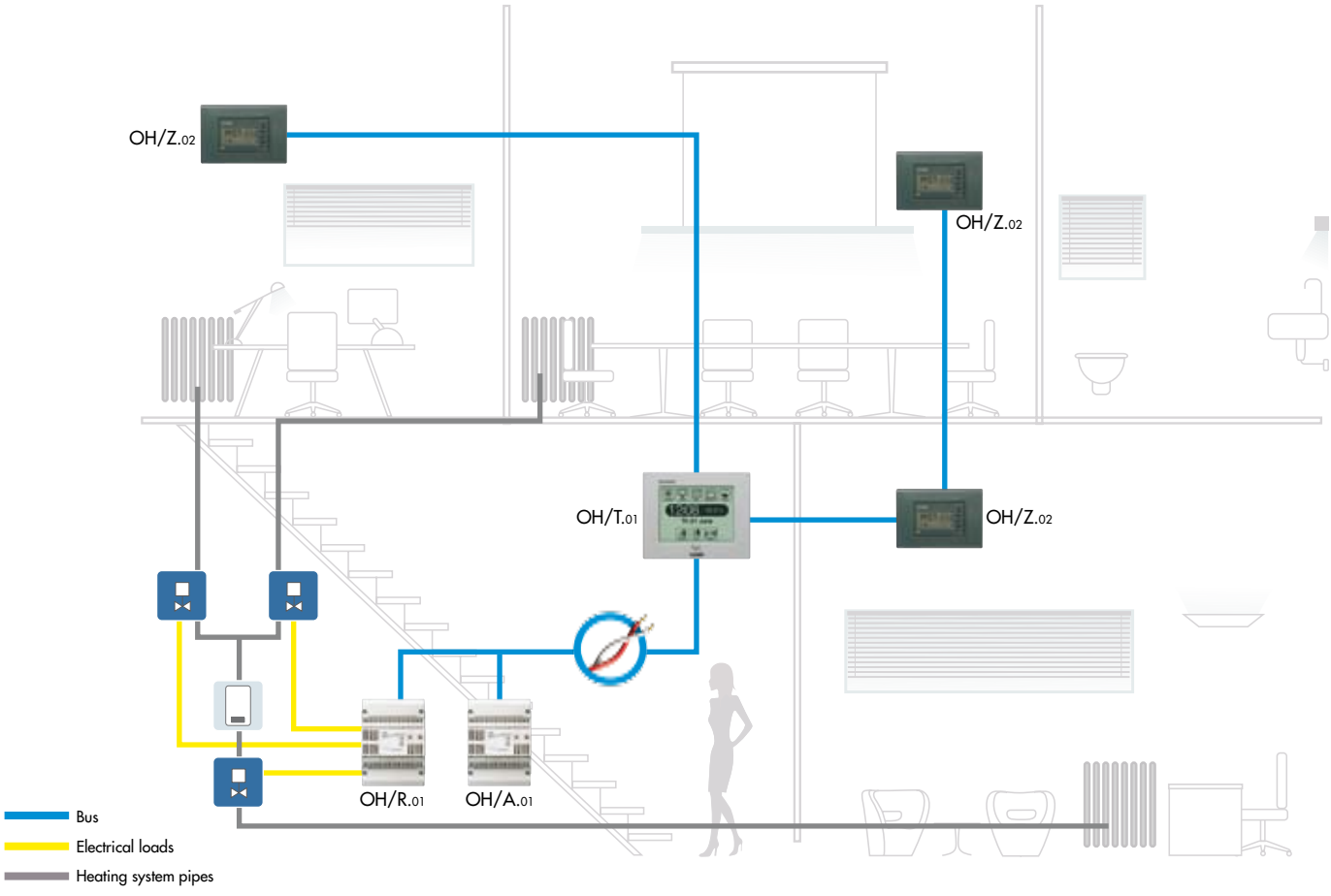
Multi-zone temperature control

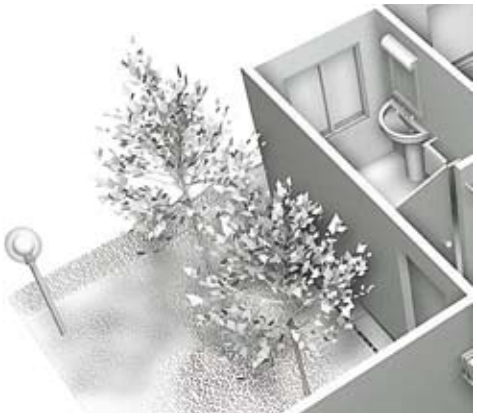
SOLENOID VALVE

BOILER

This application lets you:

- Program and control the temperature of each area.
- Modify the temperature in each area.
- Modify the times and date for each module automatically when changing over to summer time.
- From each zone module you can change to manual operation and adjust the temperature up to ± 2° C.





Garden irrigation

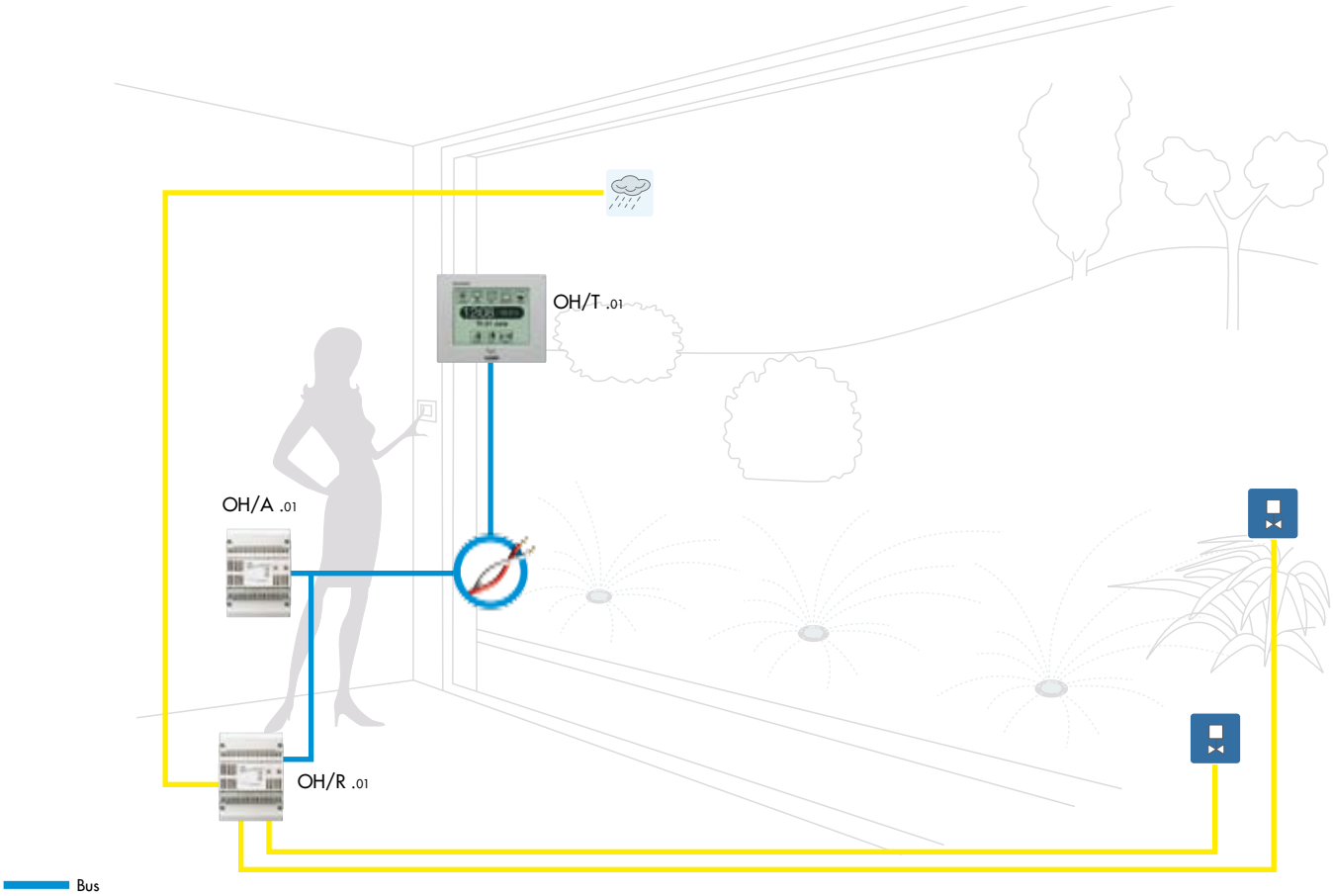
SOLENOID VALVE

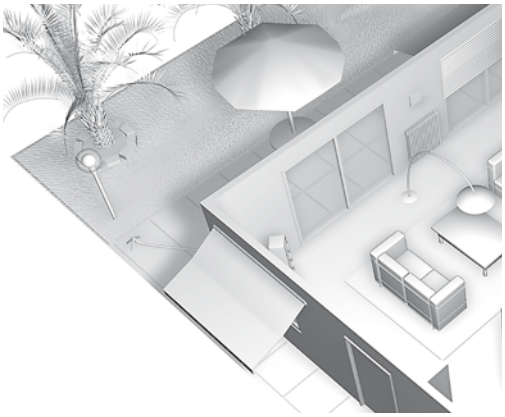
BAROMETER

This application lets you:

- Manually activate/de-activate individual irrigation zones from the terminal.
- Activate all irrigation devices simultaneously (if there is sufficient water pressure).
- Automatically activate each irrigation zone based on a programme that can be customised to suit your personal needs.
- Bypass all activation in the event of inclement weather, by means of connection to a rain detection system and a barometer.

Hoasis Plus replaces expensive timer devices, making the system more economical and functional.





External lighting

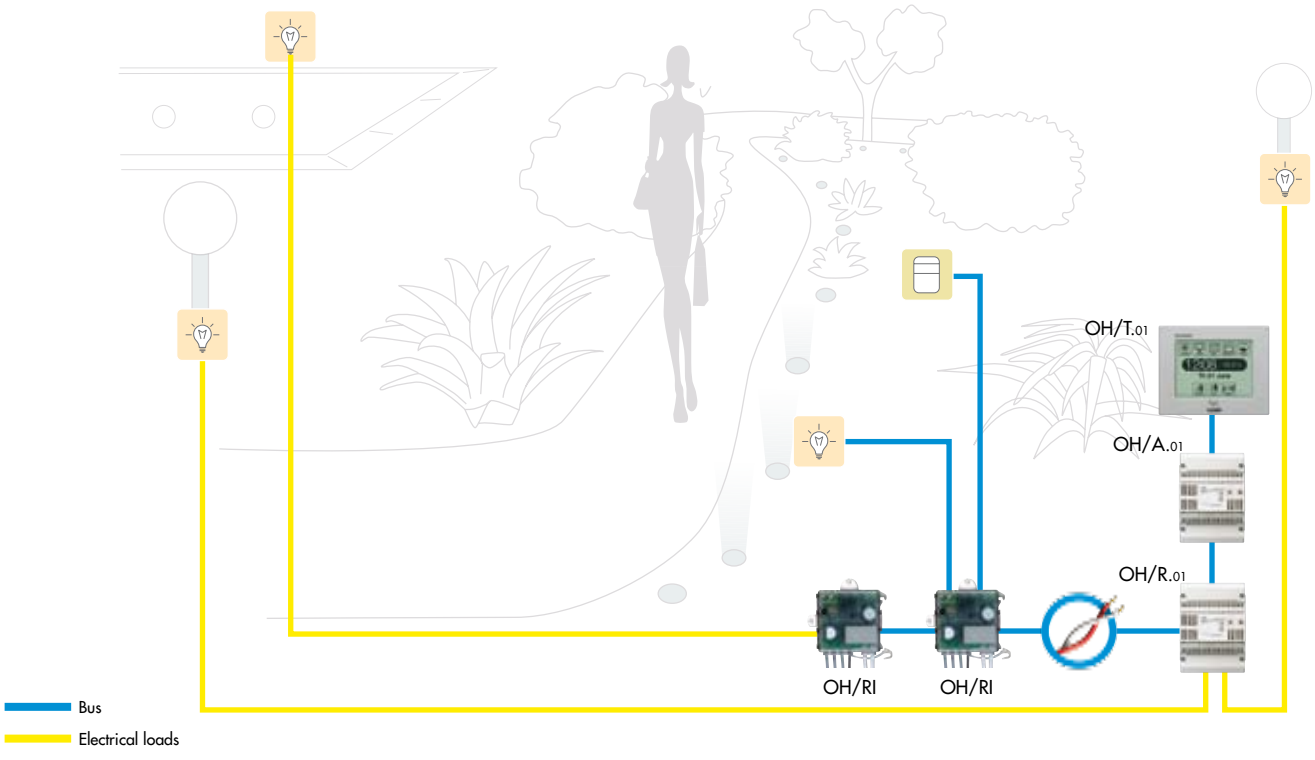
LIGHTING

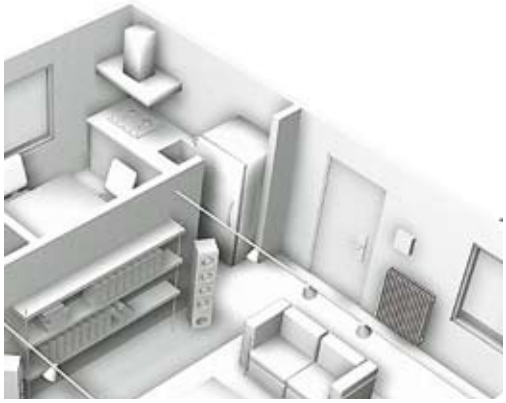
MOTION SENSOR

With this configuration:

- Lights come on and go off automatically when a person passes by.
- Lights come on automatically at a predetermined time.
- A single light/group of lights comes on locally.
- De-activation of the entire system with appropriate general command or when twilight sensor trips.

Along with the classic local control buttons, the terminal can be used to programme when lights will come on or go off without the need to use external timer devices.
In traditional systems, any variation would be made via the timer devices located on the panel, which is not particularly convenient.





Exit scenario

With this configuration:

- Shutters close one at a time.
- Lights go off in sequence.
- Zone valves for water and gas are closed

The OUT scenario can be duplicated with a traditional button.

The GSM telephone controller sends the text messages on system status and receives service activation messages from the user via text message

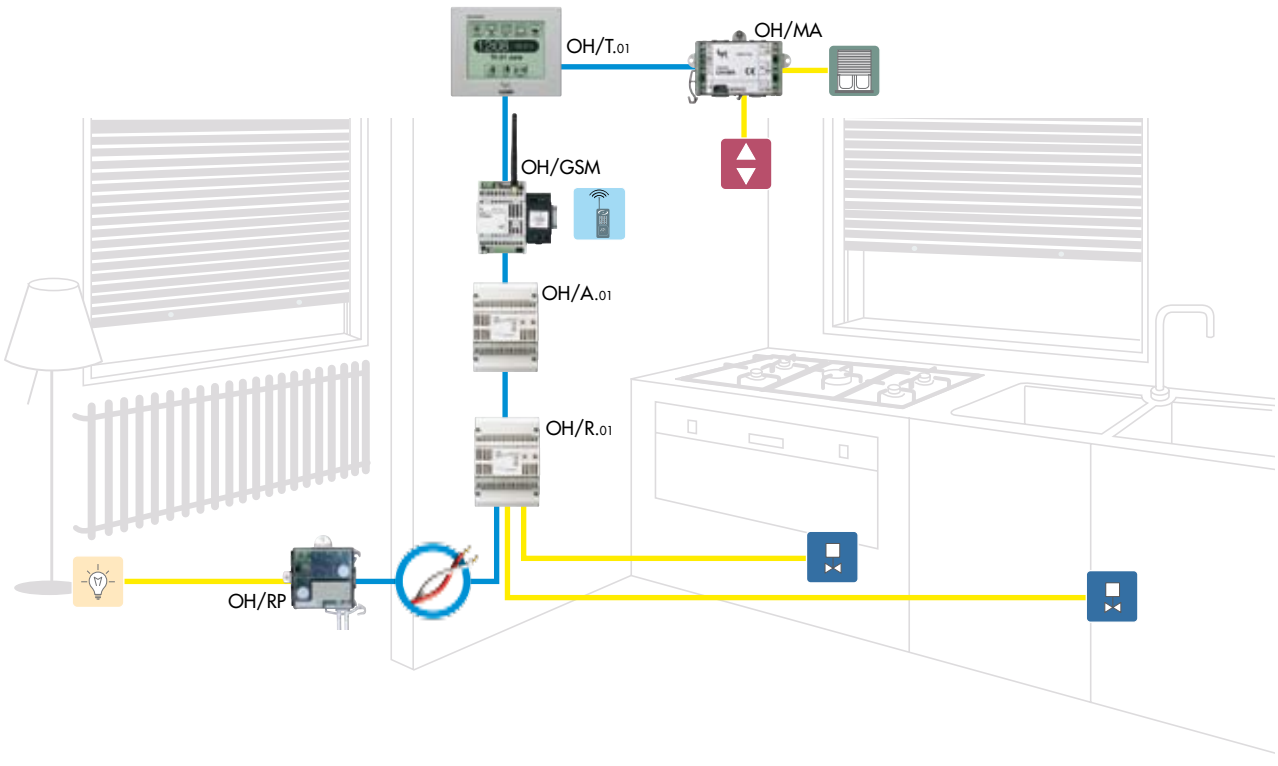
UP/DOWN

SHUTTERS

SOLENOID VALVE

LIGHTING

GSM



Bus

Electrical loads

HOME
SAPIENS

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