

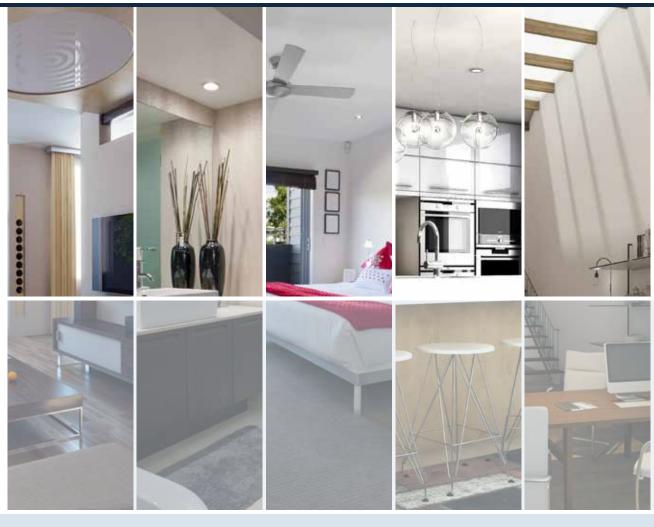




Solutions

Home Automation

Home Automation



Lighting control

Climate control

Blind and awning control

Alarms

Energy savings

ABOUT CARLO GAVAZZI

Carlo Gavazzi Automation is a multinational electronics group active in the design, manufacture and marketing of electronic equipment targeted at the global markets of industrial and building automation.

Our history is full of firsts and our products are installed in a huge number of applications all over the world. With more than 80 years of successful operation, our experience is unparalleled.

We have our headquarters in Europe and numerous offices around the world. Our R&D competence centres and production sites are located in Denmark, Italy, Lithuania, Malta and the People's Republic of China.

We operate worldwide through 22 our own sales companies and also selected representatives in more than 65 countries, from the United States in the West to the Pacific Rim in the East.

Our core competence in automation spans three product lines: Sensors, Switches and Controls.

Our wide array of products includes sensors, monitoring relays, timers, solid-state relays, electronic motor controllers, energy management equipment and fieldbus systems.

We focus our expertise on offering state-of-the-art product solutions in selected market segments.

Our customers include original equipment manufacturers of packaging machines, plastic-injection moulding machines, food and beverage production machines, conveying and materials handling equipment, door and entrance control systems, lifts and escalators, as well as heating, ventilation and air-conditioning devices.

Our offer for the Home Automation consists of innovative solutions, designed to make a comfortable living environment, according to your mood and requirements as well as weather conditions.

Comfort, Security, Control, Flexibility and Ease are the synthesis of our commitment for an "intelligent" Home Automation system.





DESIGNED TO MEET MARKET REQUIREMENTS

The new home automation system by Carlo Gavazzi is the evolution of the well-known smart-house system: it looks after your houses in the best possible way, making them comfortable for you and your loved ones. It combines this comfortable living with energy saving, using state-of-the-art technology to improve your well-being and to reduce your carbon footprint.

The complete range of products is designed in Italy.

The system is based on a centralised structure, where the controller is the "brain" that supervises all the domestic functions such as lights, temperatures, rollerblinds, shutters and intruder, gas

and water leaks alarms.

New modules and functionalities can be added at any time, making the home "alive" and letting you adapt it according to your wishes, which might change over time

It also allows you to be aware of energy consumption, providing diagrams of current consumption as well as the logging of what has been consumed in the previous days, months or years. All this data is easily accessible using smartphones, PCs or tablet PCs.

Retrofit installations can also be made when using this new Carlo Gavazzi system, as it features a full range of wireless products that can be used when wiring is not possible or not desired.

The new web server complements traditional methods of managing

sophisticated home automation technologies. It is embedded into the SH2WEB controller and it is completely configurable so that you can select your own themes.

The webserver is also designed as webapp to be accessible via any smartphone, tablet pc.

The intuitive, user-friendly interface allows the control of lights, rollerblinds, alarms, timers, temperatures and more, both remotely and on site, all from a multi-function device.

Furthermore, the webserver/webapp enable access to the datalogger where energy data, temperatures and other events are stored, in order to have a clear overview of which appliances are on and how much they are consuming.

Bus intelligence made by experience



Scenarios

Scheduler

Simulated habitation

Automatic blinds

Climate control

Fan control

Bus and power in the same cable

The bus and power wires follow the same logical path. The "switch wires" needed in conventional installations can be eliminated by use of de-central relays. The installation is fast and simple and last-minute changes are easily accommodated. No special cable or cable termination is required for the bus.

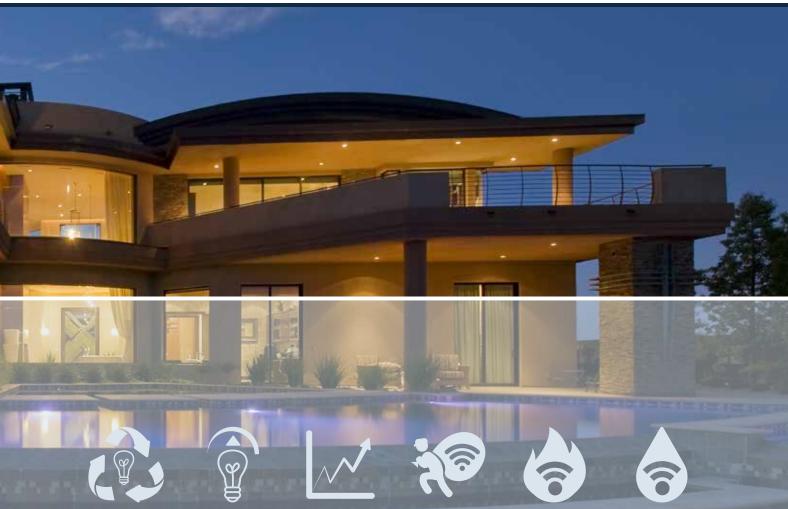




Fast commissioning with no addressing

One of the most innovative features of this system is that no addressing of modules is needed. The installer only has to mount all the components, launch a network scan and the system will automatically find and recognize the connected devices, making the correct association or addressing. This will result in time and cost savings, besides providing an error-free configuration process.





Energy efficient light management

Light control

Graphs

Intruder alarm Smoke alarm

Water leakage alarm

Diagnostic function

Immediate trouble-shooting is assured as the system monitors all the connected devices and advises if one is faulty. The load of the bus is constantly monitored and any anomaly is at once detected and reported.

All the information about short-circuits, bus voltage and load, noise level and quality of the bus signals is logged in a file both locally and remotely accessible.

This can be checked anytime, providing effective time and money savings.



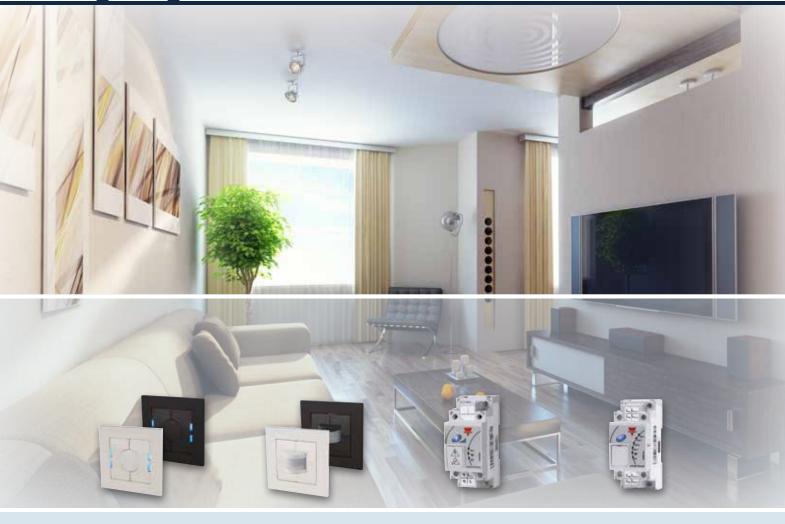
Easy configuration software

The system configuration can be easily done by means of its wizard tools. The user-friendly interface of this software guides the user in the creation of the pre-defined functions.

At the same time, thanks to many basic functions, the most skilled user can also create customized applications. Test modes are getting easier by the several debug features available.

Lighting control

Automation



Light switches PIR detectors and lux meters

Dimmer modules

I/O modules

Carlo Gavazzi offers integrated lighting automation and control. Lighting sets the perfect scene and creates the desired ambience for any occasion. Whether it is a movie night, an intimate dinner for two or a party with friends, lighting establishes the right mood.

The lights can create pre-programmed scenes to simulate the chosen lifestyle patterns. Dimmers do not just set the right atmosphere and create specific entertainment options, they can save money too. Most of the time we do not need to set our lights to full brightness to light a room, and if you dim your lights you are using less energy to run them. This is the aim of the new dimming technology by Carlo Gavazzi, in addition to the integration

of energy-saving alternatives such as LED lamps.

The garden lights can be turned on by a light level sensor, whereas the entrance lights can be activated by a movement sensor.

Occupancy sensing, which turns off lights when they are not needed,

makes Carlo Gavazzi solutions ideal also for special applications such as light management in corridors and staircases.

Comfort and energy saving at a single touch are assured, without sacrificing style or convenience.





Climate control



Carlo Gavazzi maintains your home at a comfortable level at all times, monitoring temperature and humidity levels automatically.

There is no need to get up or even be at home to adjust the temperature: with our Home Automation range of products you can control multiple zones from one location and easily pre-set temperature set points.

You can keep your home at a more energy efficient temperature while you are out and programme it to automatically adjust to more comfortable levels by the time you get home.

Coming home early? Use your mobile phone or PC to control the climate remotely, even monitoring the wine cellar or greenhouse temperature and humidity level.

- Energy and money savings thanks to the demand-based energy use can be achieved via a timer program with a temperature profile or even via a presence signal.
- As the temperature variables of all the rooms are available centrally via the bus system, heating and cooling energy can be generated according to demand and with a high level of efficiency.

Blind and awning control



Light switches,
PIR and lux meter

Anemometers

Lux meters DC up&down modules

AC up&down modules

The installation of intelligent control technology in houses allows for the flexible control of blinds and shutters. In this way you can select various control options as:

- Classic control with conventional buttons and switches
- Control from remote PCs and smartphones
- Connection of multiple blinds/ shutters to groups
- Realization of central functions such as "all up" buttons, "all blinds on the south side up" or similar

Thanks to full flexibility, it is possible to change switch assignment. Shutter-groups can be created at any time through our configuration software. Furthermore, automation can be specified to respond to a number of

different factors:

- Solar control, where the device operates automatically when a certain intensity of light is received by the sensor.
- Timers may be specified.
- An anemometer (wind speed sensor) is fitted so that the blind is

retracted in windy conditions.

 Rain sensors may be used in order not to wet the blinds or dirty the window glass.





Alarms



Carlo Gavazzi protects your home.

A water leakage in your kitchen or laundry room can be immediately detected by a sensor at floor level and the water supply will be interrupted, preventing loss and damage. At the same time an SMS message will promptly inform you when you are away from home.

Smoke detectors at different locations in your house are the main elements in the fire alarm system, and can be combined with other functions, for example lights can be switched on and fans switched off in case of fire.

The intruder alarms can be programmed so that house lights flash when there is a security breach, as well as sounding the siren. Switching lights on and off in each room at two-second intervals is psychologically distracting and makes it extremely difficult for an intruder to search for jewellery and information such as credit card details. It also draws attention to the house from outside, further deterring any intruder from their actions. The system can also play back loud music or alarm sounds



in each room, to further persuade the intruder to leave. Naturally, the police can be notified automatically, along with key-holders and other designated people.



Energy saving



Relay modules with energy reading energy reading

Wireless relays with

Wireless modules

Dimmer modules with energy reading

Pulse counters

Energy analyzers

Incorporating a home automation system into a new or existing structure makes it easier to reduce energy consumption, also in combination with energy efficient lighting, Energy Star appliances and alternative energy

Another effortless way to enhance the energy efficiency in your home is to take control of your energy consumption, by finding out exactly how much you are using.

Many electricity companies offer lower rates during off-peak hours, such as evenings and weekends. Using appliances such as washing machines, dryers, air conditioners and dishwashers during these hours can lead to substantial savings on your electricity bill.

- These real-time energy usage measurements will lead you to become more efficient with your energy consumption needs and will result in significant energy savings.
- The system reads and logs the energy consumption of the whole
- Data can be accessed anytime by means of a webserver/webapp and shown as instantaneous values, or in the form of graphs and/or diagrams.

installation or of a single load.





Scenarios



Touch screen 4" Touch screen 7"

Entertainment scenario

- TV and Home Theatre
- Music Surround
- Lights
- Heating or Air Conditioning
- Roller Blinds

Holidays scenario

- Heating
- Alarms
- Roller Blinds
- Doors and Windows
- Automatic Irrigation
- Automatic turn on/off of lights

Night & Day scenario

- Roller Blinds & Awnings
- Exterior Lighting
- Heating or Air Conditioning
- Automatic Irrigation (at the set time)

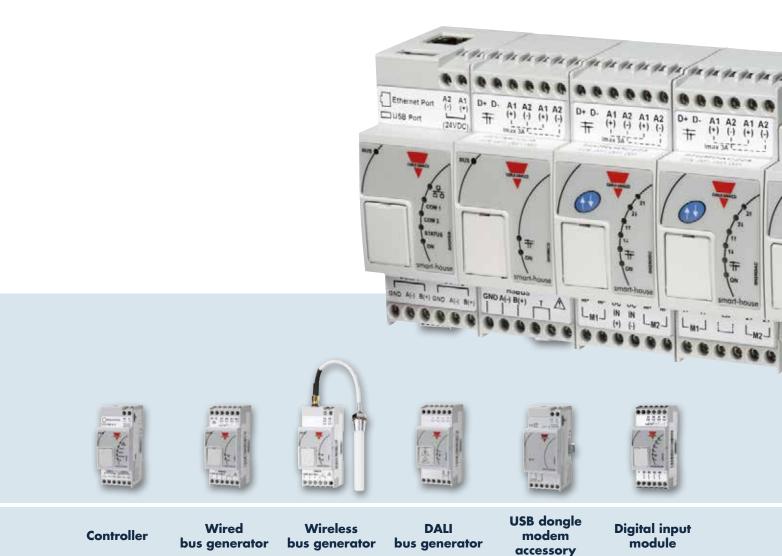






The controller

Automation



The Carlo Gavazzi smart-house system is based on a central CPU, the SH2WEB24, a Linux based embedded PC that manages all the smart functions.

It is programmed by means of powerful software, the SH tool.

The SH2WEB24 has Ethernet communication capability in order to be remotely controlled and monitored by smart-devices/PCs. It also acts as a datalogger, which can record any kind of value/event coming from the many buses it can be connected to (Wireless and Dupline buses, two RS485 ports).

The master unit is also provided with an sd-card and USB port, which allow

data uploading/downloading and system configurations.

Where wired Internet access is not available, Carlo Gavazzi provides a specific mobile modem to be added to the SH2WEB24.

This modem makes it possible to control any remote installation, whether it be a cabin in the mountains or a house at the seaside.

If the SH2WEB24 can be considered the "brain" of the smart-house system, the two bus generators are the pulsating "heart" that makes all the information flow.

They are connected to the SH2WEB24 via the high speed bus that is present both on the local bus and on the terminals at the bottom.

This means that the connection is very fast and easy in a cabinet, since the modules just have to be plugged together without any wiring.

At the same time it is very straightforward if the bus generators have to be mounted in different cabinets.

Up to 7 bus generators can be connected to one SH2WEB24.

















Solid state relay output module

Relay modules

Relay module with energy reading

Up/down modules for AC/DC motors

Dimmer module with energy reading

1-10 V Dimmer module

SH2MCG24 - the wired bus generator of smart Dupline®

The SH2MCG24 module is the smart Dupline bus generator, which provides the dupline bus on the local bus and on the terminals at the top.

Thanks to this, the DIN-rail slave modules (dimmers, relays, rollerblind modules, etc...) can simply be plugged into the SH2MCG24, without the need for any wiring.

The decentral modules, such as light switches, PIR sensors and temperature display, are connected to the SH2MCG24 with the two wires coming out from the terminals at the top.

SH2WBU230N - the wireless bus generator of WiDup

The smart-house system also provides a solution where it is not possible to use existing wiring, especially during the renovation of buildings.

The SH2WBU230N is the wireless bus generator that can control wireless light

switches and output relay modules. The wireless bus is based on the standard IEEE 802.15.4 @2.4Ghz.

Up to 250 modules can be managed by one SH2WBU230N.

The open-space operating distance is 700 metres.



Controllers	Wired	DALI
	bus generators	bus generator



SH2WEB24

- Master unit: home automation functions and energy data logging configurable by software
- Two RS485 communication ports (Modbus)
- One Ethernet port
- Two multi purpose USB 2.0 ports
- Micro SD



- Dimensions: 2-DIN modules
- DC power supply



SH2MCG24

- Connection to SH2WEB24 via internal bus or terminals via the high speed bus
- Up to 7 SH2MCG24 can be connected on the same network, considering the sum of SH2MCG24, SH2WBU24 and SH2WBU230N



MAIN FEATURES

- Dimensions: 2-DIN modules
- DC power supply



SB2DALIT8230

- Interfaces the Dupline® bus to standard DALI lighting
- Operates as DALI controller and power supply with possibility to connect up to 64 ballasts to the DALI bus output
- Tunable white control
- Multiple SB2DALI230 units can be connected to the same Dupline® bus

MAIN FEATURES

- Allows the powerful combination of Dupline[®] and DALI
- Compact dimension: 2-DIN module
- 230 VAC power supply

USB dongle modem accessories

Digital input modules 4 inputs

Output modules solid state relay



SH2DSP24

- USB port to supply dongle modem HUAWEI MS2131 DLINK DWM 157
- Support for wi-fi USB key
- Watchdog features to prevent common mobile network



SH2INDI424

- 4 digital inputs NPN, PNP, voltage free
- The 4 inputs can be configured as contact or counter
- LED indication for power supply, dupline bus, input activated
- Connection to othera cabinet modules via local bus



SH2SSTRI424

- 4 triac output
- Module load: 4 x 10 W
- LED-indications for supply, bus and outputs status
- Connection to other cabinet modules via local bus
- Push button for local on/off switching

MAIN FEATURES

- Dimensions: 2-DIN modules
- 24VDC supplied

MAIN FEATURES

- Dimensions: 2-DIN modules
- DC power supply

- Dimensions: 2-DIN modules
- DC power supply



Relay	Relay	Roller blind modules
modules 💮	modules	for AC/DC motor



SH2RE16A4/SH2RE1A424

- 4 separate outputs relay
- LED-indications for supply, bus and outputs status
- Connection to other cabinet modules via local bus
- Push button for local on/off switching



SH2RE16A2E230

- 2 outputs relay
- Energy reading
- LED-indications for supply, bus and outputs status
- Connection to other cabinet modules via local bus
- Push button for local on/off switching



SH2ROAC224 / SH2RODC224

- Up/down control of 2 AC / DC rollerblind motors
- LED indication for power supply, dupline bus, motor up, motor down
- Connection to other cabinet modules via local bus
- Push button for local on/off switching

MAIN FEATURES

- Dimensions: 2-DIN modules
- Bus supplied
- SH2RE16A4: bus supplied
- SH2RE1A424: DC power supply

MAIN FEATURES

- Dimensions: 2-DIN modules
- 230 V supplied

MAIN FEATURES

- Dimensions: 2-DIN modules
- DC power supply

Dimmer modules with energy reading

Dimmer modules up to 500 W

Dimmer modules 1-10 V



SH2D500WE230

- Universal dimmer switch for R, L, C up to 500 W and LED loads
- Integrated heat sink for temperature dissipation
- Energy reading
- Connection to other cabinet modules via local bus
- Push button for local on/off switching

MAIN FEATURES

- Dimensions: 2-DIN modules
- 230 V supplied



SH2D500W1230

- Universal dimmer switch for R, L, C up to 500 W and LED loads
- Integrated heat sink for temperature dissipation
- Automatic load detection for L, R, C load
- Connection to other cabinet modules via local bus
- Push button for local on/off switching

MAIN FEATURES

- Dimensions: 2-DIN modules
- 230 V supplied



SH2D10V424

- Switching and dimming adjustable ballasts 1 to 10 V
- 4 independent dimmable outputs
- LED-indications for supply, bus and outputs status
- Connection to other cabinet modules via local bus
- Push button for local on/off switching

- Dimensions: 2-DIN modules
- DC power supply

Home Automation Our product range

Smart-dupline	Transparent	Decentral output
energy meters	modules	modules



SH2EM16A230

- Direct connetion: 16A
- Connection to other cabinet modules via local bus
- Energy measurement: kWh
- Instantaneous variables readout: A, V, W, Wdmd, VA,

MAIN FEATURES

- Dimensions: 2-DIN modules
- 230/110 V supplied



SH1DUPFT

- Transparent dupline module
- The dupline bus is present on the top/bottom connectors and internal bus
- Connection to other cabinet modules via local bus



- BDA-RE13A-U
- Small sized single relay output
- Load: 16 A/250 VAC
- Withstands 130 A inrush current

MAIN FEATURES

- Dimensions: 1-DIN module
- No supply is needed

MAIN FEATURES

Bus powered

Decentral roller blind modules

Analogue input modules

Analogue output module



SHDRODC230

- Up/down control of 1 AC rollerblind motor
- Up/down interlocking for motor
- AC power supply



SHPINV2T1P124 / SHPINT1P1 SHPINNI2 / SHPINV324

- Input modules for thermistor, resistor and voltage measuring
- Ranges: 10 K3 thermistor input, 1-11 K resistor input, 0-10 V input, pt1000/ni1000



SHPOUTV224

- Output modules with two 0-10 V outputs
- Small dimensions for decentralized installations

MAIN FEATURES

- Design for mounting in eurobox
- Relay load 5 A

MAIN FEATURES

- SHPINV324: three 0-10 V input
- SHPINV2T1P124: two voltage input, one thermistor and one resistor input
- SHPINT1P1: one thermistor and one resistor input
- Bus powered

MAIN FEATURES

DC power supply



Light switch Digital input Voltage input interfaces modules modules



BDB-INCON4-U / BDB-IOCON4-U BDB-IOCP8x-U

- Small-sized 4 or 8 I/O modules
- 4 or 8 contact inputs for push buttons



BDD-INCON4-U

- 4 contacts or NPN transistor inputs
- LED-indications for supply and bus status
- LED-indication for armed when using bus supply
- 3-wire system with bus and supply of module through external power supply



BDA-INVOL-U

- Input voltage module for building automation
- 1 opto-isolated voltage input 90-265 VAC

MAIN FEATURES

- Compact housing
- Bus powered

MAIN FEATURES

- Open PCB with terminal connection
- Bracket for DIN-rail mounting available

MAIN FEATURES

- Compact housing
- Bus powered

Light 90° PIR 90° PIR + switches detectors lux meters



B4X-LS4-U / B5X-LS4-U

- 4 individually programmable push button inputs
- 4 individually programmable LEDs for true response
- Bus powered, no external supply required



B4X-PIR90-U / B5X-PIR90-U

- Passive infrared detector (PIR)
- Detects movement and presence
- Indoor applications
- Operating angle: 90°



SHA4XP90L / SHE5XP90L

- Passive infrared detector (PIR)
- Detects movement and presence
- Indoor applications
- Operating angle: 90°
- Lighting measuring range: 0 to 20 K lux

MAIN FEATURES

- B4X-LS4-U: Developed to fit into wall socket and frames from Fuga, NIKO and Bticino
- B5X-LS4-U: Developed to fit into wall socket and frames from Elko, Gira and Jung

MAIN FEATURES

- Bus powered
- Walk test: LED indication
- Programmable sensitivity

- Bus powered
- Walk test: LED indication
- Programmable sensitivity

Home Automation Our product range

Light switches + 90° PIR + lux meter

150° PIR detetectors

150° PIR + lux meters



SHA4XLS4P90L/SHE5XLS4P90L

- 4 individually programmable push button
- Integrated 90° PIR and luxmeter sensor
- Indoor applications



SHE5XP150 / SHA4XP150

- Passive infrared detector (PIR)
- Detects movement and presence
- Indoor and outdoor applications
- Operating angle: 150°
- Operating distance: 8 m



SHA4XP150L / SHE5XP150L

- Integrated 150° PIR and luxmeter sensor
- Operating angle: 150°
- Operating distance: 8 m

MAIN FEATURES

- SHA4XLS4P90L: Developed to fit into wall socket and frames from Fuga, NIKO and Bticino
- SHE5XLS4P90L: Developed to fit into wall socket and frames from Elko, Gira and Jung

MAIN FEATURES

- Bus powered
- SHAAXP150: Developed to fit into wall socket and frames from Fuga, NIKO and Bticino
- SHE5XP150: Developed to fit into wall socket and frames from Elko, Gira and Jung

MAIN FEATURES

- SHA4XP150L: Developed to fit into wall socket and frames from Fuga, NIKO and Bticino
- SHE5XP150L: Developed to fit into wall socket and frames from Elko, Gira and Jung

Light switches + temperature and humidity sensor

Temperature displays

90° PIR lux meters



SHA4XLS4TH / SHE5XLS4TH

- 4 individually programmable push button
- Integrated temperature and humidity sensor
- Temperature range: -40° to 60°C
- Humidity range: 5 to 95 %



SHA4XTEMDIS / SHE5XTEMDIS

- Temperature controller with display
- Shows current room, outdoor and auxiliary temperature
- Turns on/off heating and cooling
- Energy Save through 3 different setpoints: comfort, activity, economy



BSD-PIR90-U / SHSDP90L

- Passive infrared detector (PIR)
- Detects movement and presence
- Indoor applications
- Operating distance: 12 m
- Operating angle: 90°

MAIN FEATURES

- SHA4XLS4TH: Developed to fit into wall socket and frames from Fuga, NIKO and Bticino
- SHE5XLS4TH: Developed to fit into wall socket and frames from Elko, Gira and Jung

MAIN FEATURES

- Bus powered
- SHA: Developed to fit into wall socket from Fuga, NICO an Bticino
- SHE: Developed to fit into wall socket from Elko, Gira and Jung

- Bus powered
- Walk test: LED indication
- Programmable sensitivity



90° PIR 360° PIR Outdoor lux meters sensors temperature sensors



BSP-PIR90-U / BSP-PIR90A-U SHSPP90L / SHSPP90LA

- Passive infrared detector (PIR)
- Detects movement and presence
- Indoor and outdoor applications
- Operating distance: 0.5 15 m
- Operating angle: 90°

MAIN FEATURES

- Bus powered
- Programmable sensitivity



SHQP360L7Mxx/SBQP360L24Mxx

- Passive infrared detector (PIR) and luxmeter
- Operating distance: 14 m (SHQP360L7Mxx)
- Large operating distance: 24 m (SBQP360L24Mxx)
- Detects movement and presence
- Indoor and outdoor installation
- Operating angle: 360°

MAIN FEATURES

- Bus powered
- Programmable sensitivity
- Programmable detection area (SBQP360L24Mxx)



BSI-TEMANAx-U

- Temperature range: -40° to +60°C
- BSI-TEMANA-U is delivered with a M12 plug
- BSI-TEMANAB-U is delivered with 2 m cable

MAIN FEATURES

- Easily mountable
- Bus powered

Weather stations Anemometers Lux meters for outdoor installation



SHOWEAGPS

- Light, wind, temperature measurement
- Ranges: 0 to 100K lux, 0 to 35 m/s, -40° to 80°C
- Rain sensor included



BSN-ANE-U

- Measuring range: 2 m/s to 25 m/s
- Built-in alarm output with programmable threshold



BSH-LUX-U

- Lighting measuring range: 0 to 20K lux
- For indoor and outdoor installation
- Working temperature: -30° to +60°C

MAIN FEATURES

- Integrated GPS receiver
- Modbus RS485 protocol

MAIN FEATURES

- Easily mountable
- Bus powered

- Easily mountable
- Bus powered

Home Automation Our product range

Smoke	Water	Environmental
detectors	detectors	sensors



BSG-SMO-U / BSG-SMOA-U

- Detection of smouldering and flaming fires with smoke development
- Without radioactive sources
- Detection of up to 60 m²
- Transmission of alarms and Alive signal via bus



BSF-WAT-U

- Integrated water sensor input
- Water resistant PCB with screw terminals
- External input for Felson moisture cable



SHSUXXXXD / SHSUXXXXL SHSUXXXXX

- \bullet Room sensors for $\mathrm{CO}_{2^{\prime}}$ temperature and humidity measurement
- Available with display, RGB LED or neutral
- Temperature range: -20°C to +50°C
- Humidity range: 0 to 100 %RH
- CO₂ range: 0 to 2000 ppm

MAIN FEATURES

- Battery backup if the connection is interrupted
- Constant monitoring of sensor sensitivity
- Bus powered

MAIN FEATURES

- Easily mountable with unique mounting bracket
- Constant monitoring of sensor sensitivity
- Bus powered

MAIN FEATURES

- Easily mountable
- Bus powered
- Low current consumption

Environmental sensors

Environmental sensors

Programmable alarm keypad



ESCO2THWxVDM

- Wall mounting
- CO₂ 2000 ppm or 5000 ppm
- 0 to 50°C, 0 to 100% RH
- LCD display
- Modbus communication and analog output

*

ESTHW50x

- Wall mounting
- Temperature and humidity 2 in 1
- 0 to 50°C, 0 to 95% RH
- 0 to 10 V or 4-20 mA output
- Dimensions 85x85x30 mm only

BACC-KEYPAD-DC-U

- Keypad for building access control and alarm control
- Indoor or outdoor applications
- 28 user-programmable codes
- Programmable LED indication
- Buzzer output

MAIN FEATURES

- Compact housing measuring 3 parameters
- Software for easy setting and monitoring
- Aesthetic design, ideal for home installation

MAIN FEATURES

- Compact housing measuring 2 parameters
- Simple to install and use
- Aesthetic design, ideal for home installation

MAIN FEATURES

DC power supply



M*	
Wireless	
hus generators	



Wireless window sensors



SH2WBU230N

- Wireless transmission based on IEE 802.15.4, @ 2.4
 GHz
- Maximum slave number: 250
- Up to 7 SH2WBU230N can be connected on the same network
- Connection to SH2WEB24 via internal bus or terminals via the high speed bus



SHE5XWLS4xFx

- Flat design: can be mounted everywhere
- 4 individually programmable push buttons
- Battery supplied
- Range up to 100m open space



SHDWWISEN / SHDWWISENIN1

- Dimensions:
 - sensor: 60 x 30 x 15.5 magnet: 32 x 10.2 x 11.5
- Reed sensor
- Additional voltage free input
- 1 red LED/ 1 blue LED for battery level indication
- Range up to 100 m in open air

MAIN FEATURES

- Dimensions: 2-DIN modules
- DC power supply

MAIN FEATURES

- Temperature sensor
- It can be mounted in many 55x55 frames (see datasheet)

MAIN FEATURES

- Wall mouniting, crew and double side tape
- Battery supplied

Wireless relays with energy reading

Wireless relays with push buttons

Wireless dimmer with energy reading



SHJWRE10AE230 SHJWRE10AE115

- Smallest housing in the market
- Wireless transmission based on IEE802.15.4 @ 2.4
- Range up to 700 m in open air
- Load: 10 A/250 VAC

8 4 B

SHJWRE10AEWLS230 SHJWRE10AEBLS230

- Two capacitive push buttons
- Wireless transmission based on IEE802.15.4 @ 2.4
- Range up to 700 m in open air
- Load: 10 A/250 VAC



SHJWD200WE230 SHJWD200WE115

- Smallest housing in the market
- Wireless transmission based on IEE802.15.4 @ 2.4
- Range up to 700 m in open air
- Universal dimmer switch for R, L, C up to 200 W and LED loads

MAIN FEATURES

- Energy reading
- Programmable routing function in two steps
- Mounting into eurobox

MAIN FEATURES

- Energy reading
- Programmable routing function in two steps
- To substitute Bticino switches

- Energy reading
- Programmable routing function in two steps
- Mounting into eurobox

Home Automation our product range

Wireless dimmer with push buttons

Wireless energy meters

Touch screen/ data logger



SHJWD200WEWLS230 SHJWD200WEBLS230

- Two capacitive push buttons
- Wireless transmission based on IEE802.15.4 @ 2.4
- Range up to 700 m in open gir
- Universal dimmer switch for R, L, C up to 200 W and LED loads



SHJWEM16A230 SHJWEM16A115

- Smallest housing in the market
- Wireless transmission based on IEE802.15.4 @ 2.4
- Range up to 700 m in open air
- Energy measurement: kWh
- Instantaneous variables readout: A, V, W, Wdmd, VA,



BTM-T4-24 / BTM-T7-24

- 4" / 7" colour display
- Easy setup of graphic pages and functions with the powerful software Wizard
- Activation of internet links through touch buttons
- Support viewing from IP cameras

MAIN FEATURES

- Energy reading
- Programmable routing function in two steps
- To substitute Bticino switches

MAIN FEATURES

- Programmable routing function in two steps
- Mounting into eurobox

MAIN FEATURES

- Ethernet connection
- Wide screen display, 64 K colours
- USB port, SD memory, Modbus RTU serial port

1-phase energy analyzers

3-phase energy analyzers



EM111 / EM112

- Dimensions: 1 DIN module (2 DIN EM112); DIN-rail mounting
- Backlit touch LCD
- Measurement of voltage, current, power, power factor and frequency
- Bi-directional energy metering, 8 digits cl. B (EN50470)
- Measuring inputs: 115/230 VAC,
 32 A (max 45 A, EM111) or 100 A (EM112)



EM24

- Dimensions: 4 DIN modules; DIN-rail mounting
- LCD display with programming joystick and function selector
- Measurement of voltage, current, power, power factor and frequency. Metering from external pulse sources and 4-tariff management
- Bi-directional energy metering on 2 8-digit counters, cl. B (ENS.04.70-3)
- Measuring inputs: 3x230 (400) VAC, 5 A (by CT) or 65 A (direct)

MAIN FEATURES

- Self-powered
- Modbus RS485 port
- Sealable terminal covers
- CE, MID

- 115-230 VAC power supply or self-powered
- 3 inputs for external gas/water metering
- RS485 Modbus RTU, or Ethernet Modbus TCP/IP or M-bus communication port
- Sealable terminal covers
- CE, MID, cULus (5A version)



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Energy to Components!

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