

B.E.G.

LUXOMAT[®] SMARTHOME

THE COMPREHENSIVE SOLUTION FOR HOME AUTOMATION



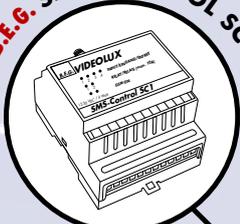
**Control
at home**

With B.E.G. energy savings = cost reduction + environmental protection



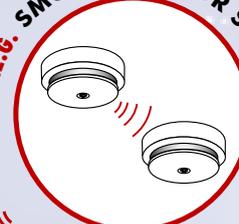
SMARTHOME – The comprehensive solution for retrofitting home automation

B.E.G. SMS-CONTROL SC1



Transmission to mobile phone for displaying status data

SAFETY
B.E.G. SMOKE DETECTOR SD2-RF



Monitoring with radio networked **B.E.G.** smoke detectors
Display of

- Alarm
- Battery empty
- Fault

B.E.G. HEATING ACTUATOR TRV2

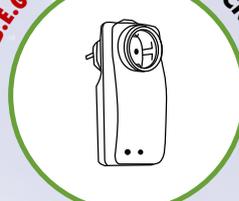


Repeater



MyControl

eMETERING
B.E.G. INTELLIGENT SOCKET



Measuring with **B.E.G. MyControl**:

- kWh used in €
- Voltage and current
- Powerfactor (cos φ)
- Effective power in Watts
- Apparent power in VA

B.E.G. RADIO ACTUATORS

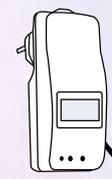


Switching and dimming via radio with **B.E.G.** radio actuators for

- Sockets
- Sub-distribution
- Surface mounting for outside and inside
- Installation in the switch socket
- Installation in lights



Gateway
(transition module)
radio 868 MHz
on 230VAC
power line

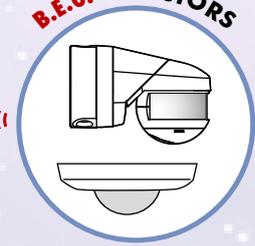


B.E.G. REPEATER



For extending the range

B.E.G. DETECTORS



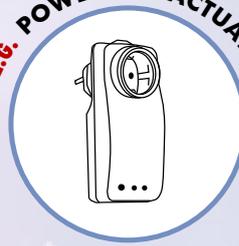
For presence-controlled and manual switching

B.E.G. motion and presence detectors

- as sensors
- for outdoor application
 - for indoor application
 - for switching



B.E.G. POWERLINE ACTUATORS



Switching and dimming with Powerline 230V via the power line

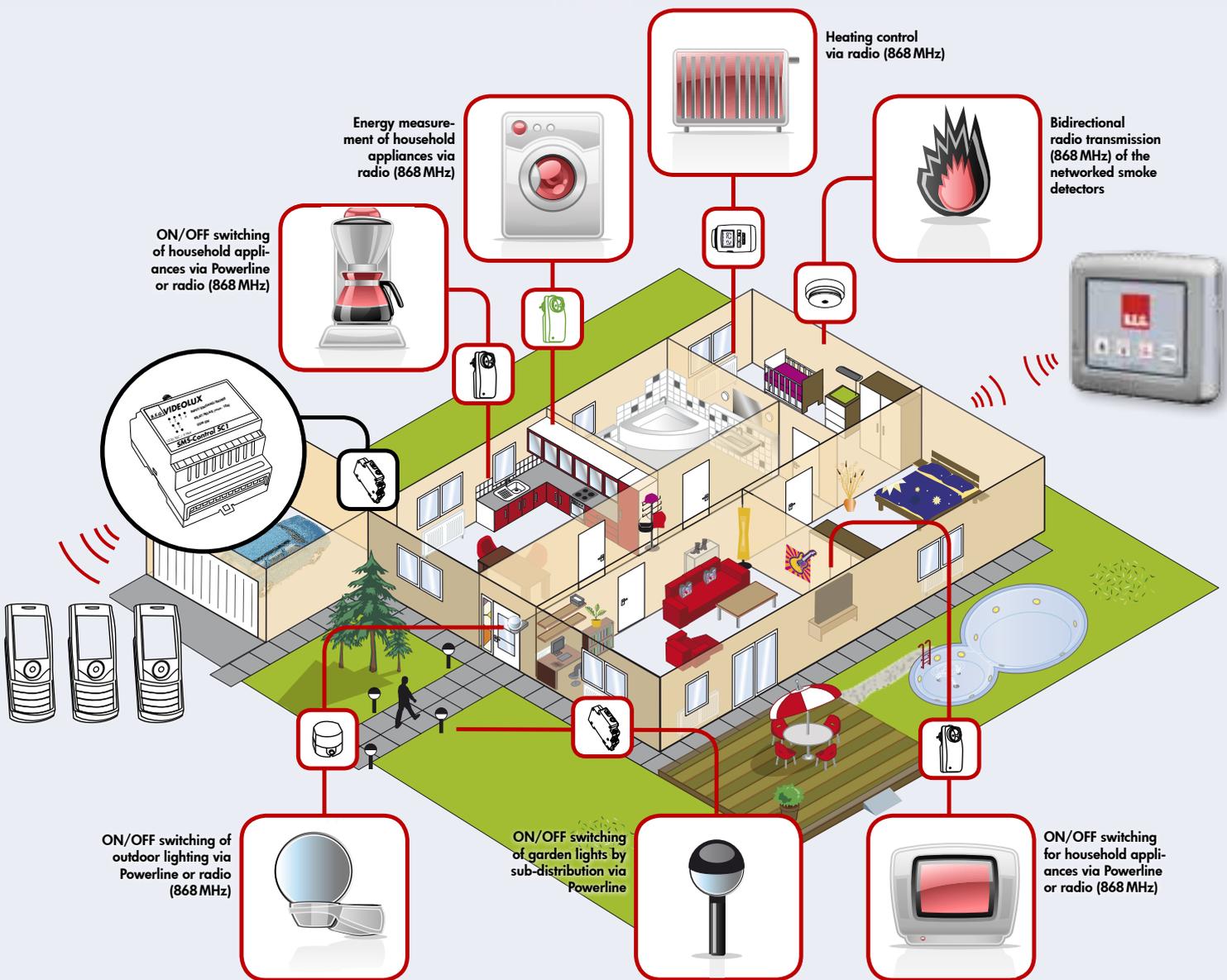
B.E.G. actuators with integrated timer program for

- Sockets
- Sub-distribution
- Surface mounting for outside and inside
- Installation in the switch socket
- Installation in lights





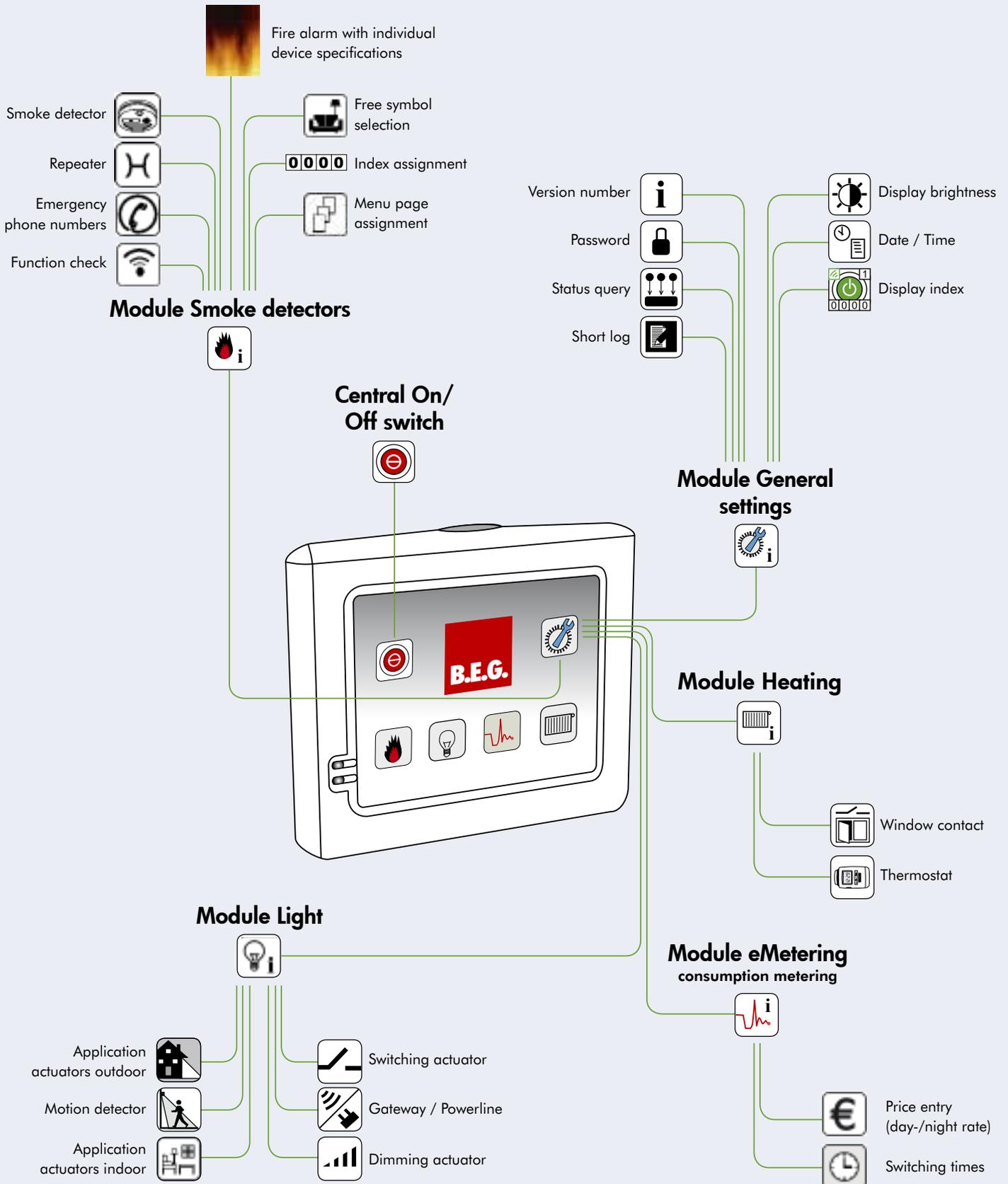
Your house in view with one click – The mobile and convenient way to control your house



ON/OFF switching of typical products via radio (868 MHz) and Powerline in a detached house

B.E.G. LUXOMAT® SMARTHOME

General settings for the control center - precise, flexible and direct



The operation of the monitor is possible with every module separately. At the beginning you can start with one module.

B.E.G. LUXOMAT® SMARTHOME

Monitoring. Measuring. Switching. – The control center for the entire house

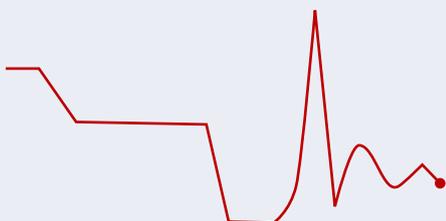
- **Energy efficiency:** Easy energy measurement with monitor software in combination with “intelligent” socket and integrated daily and weekly timer
- **Safety with fire:** For individual and group solutions with smoke detectors
- **Comfort:** Integration of wireless presence detectors in conjunction with switchable actuators
- **The house manager – One system:** Central overview and operation of all individual devices

ENERGY EFFICIENCY

... with eMetering



- Easy reading of the measured values
- User-friendly menu guidance
- View of the trends in table or graphic form
- Quick checking of the power consumption in kWh and €



SAFETY WITH FIRE

Alarm display
via radio 868 MHz



- Symbol-controlled menu
- Individual icon assignment
- Alarm sound in emergency
- Assignment by room and floor
- Symbol arrangement by position and floor



COMFORT

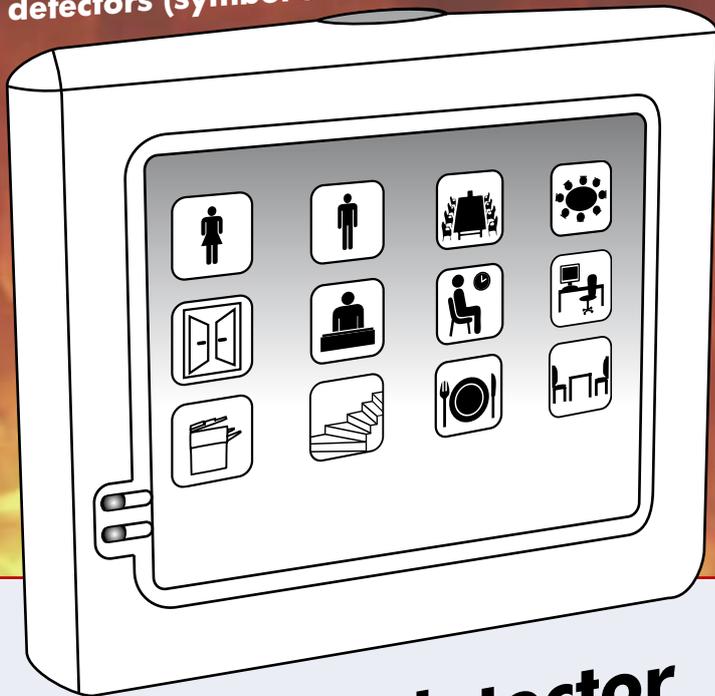
Mobile
touchscreen monitor



- Central switch for switching critical consumers on and off
- Wireless connection to all individual devices via radio (868 MHz)
- Gateway: Solutions with Powerline (power supply) over greater distances, f.ex. if radio not last



Placement of smoke detectors (symbol selection)



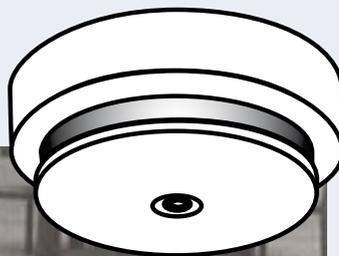
Smoke detector

Safety anywhere – Protect yourself and your house

Individual symbols can be assigned for each room via the smoke detector menu, with icons available for the areas private home, nursery, school or office building.

Room symbols differentiated from one another by Index-numbering. Smoke detector groups can also be created by room and storey. If a fire breaks out, an alarm sound will be emitted in all smoke detectors and in the control center and the location of the fire shown via the corresponding icon as well as the ID-number. Preset phone numbers are also displayed via an emergency selection switch, so that you can act quickly.

Look forward safely with **B.E.G.!** ■



Activation of smoke detector



Choose smoke detector program



Register smoke detector in radio system



Connecting



Connected (GREEN), allocate operating site



All operating sites are marked by symbols – activate symbols



Choose area: private, kindergarten, school, business, example: private

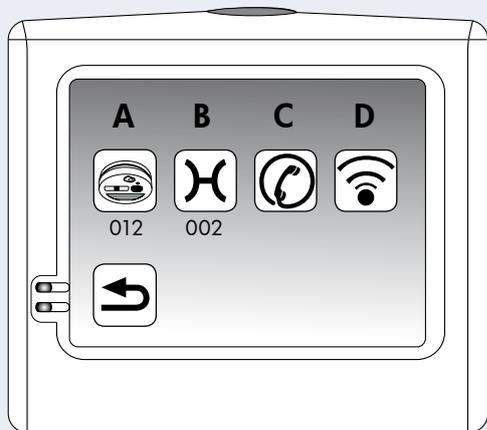


Choose corresponding room symbol



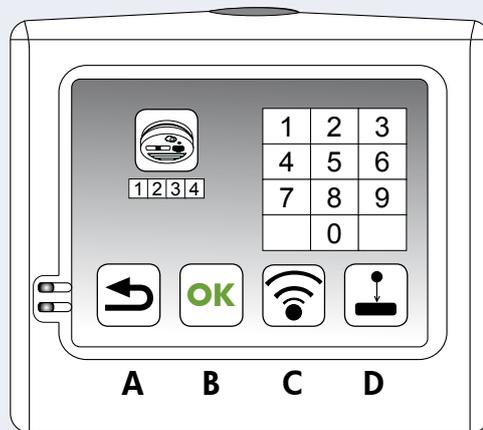
Example: smoke detector connected to bath room (GREEN)





▪ **Overview smoke detectors and repeaters in operation**

- A Number of smoke detectors
- B Number of repeaters
- C Phone numbers
- D Alarm Reset



▪ **Configuration menu for smoke detectors**

- A Back
- B Confirm
- C Single alarm On/Off
- D Status query

Alarm display and fault message, ex: children's room



Display of fire alarm (RED)



Display of fire drill (BLUE)



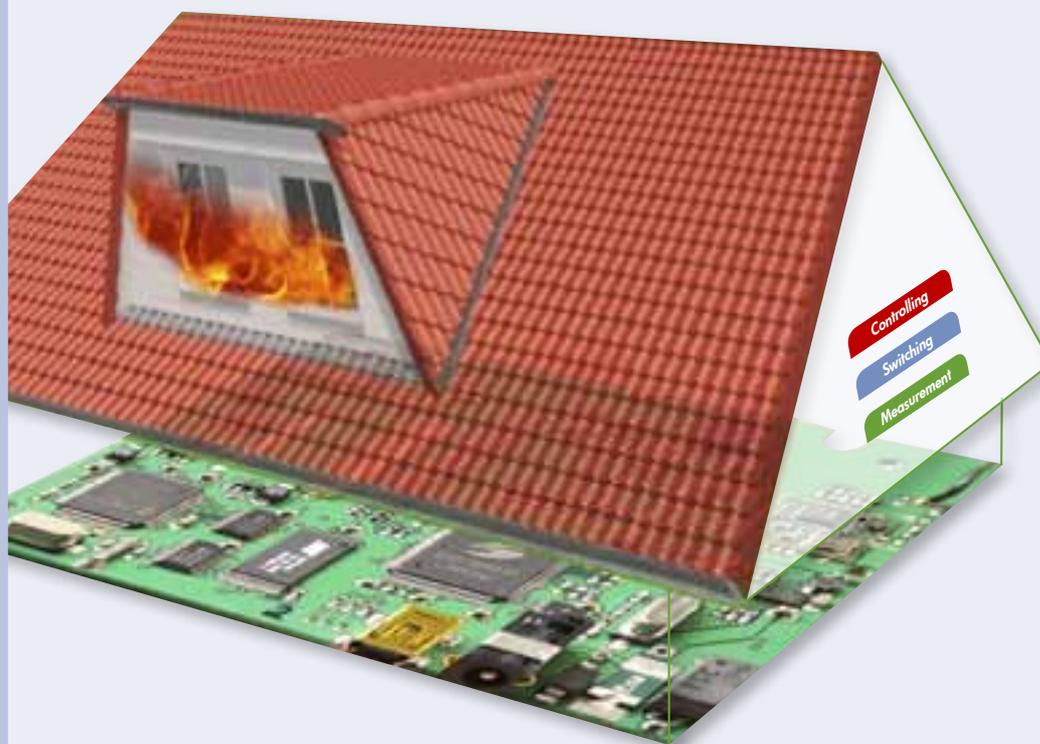
Low or flat battery (YELLOW)



Monitoring of radio link, here: no connection (GREY)



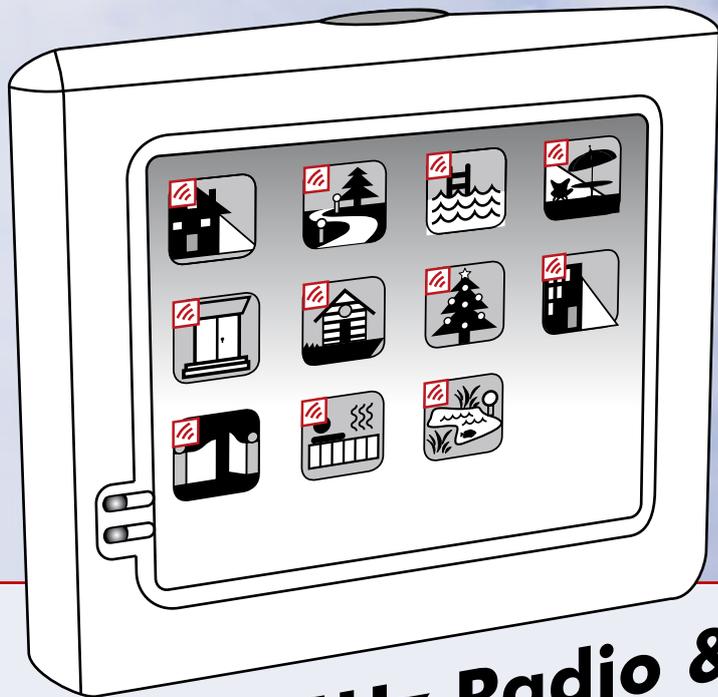
Device signed out or not accessible



SAFETY WITH FIRE

THE SMOKE DETECTOR CONTROL CENTER FOR YOUR HOUSE.

Outdoor applications (symbol selection)



868 MHz Radio & Powerline

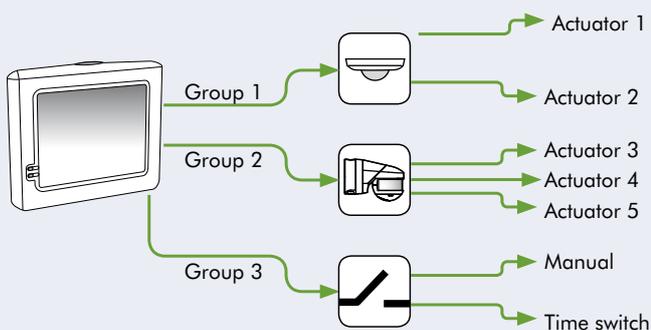
Switching and dimming via radio and/or with power line – living in an intelligent house

Using the Switching menu, the MyControl can control both electrical appliances with the radio transmission system as well as the internal house power supply with Powerline over larger distances. A group of actuators can also be assigned to a motion detector. All devices must be known to the MyControl for this.

The modular **B.E.G.** radio system transmits the switching commands by radio with 868 MHz to all individual devices without cabling. The range can also be extended by using a repeater. The radio transmission system transmits on the frequency 868 MHz bidirectional.

If no radio transmission is possible, the power line can be used for signal communication using a PL gateway and a PL actuator.

Faster switching with B.E.G.! ■



Permanently-installed actuators

Mobile actuators



Activation of wireless actuator



Choose actuator program



Register wireless actuator in radio system



Connecting



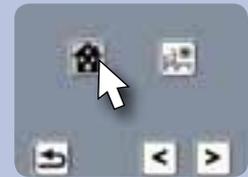
Choose type of actuator



Choose switching socket actuator



All operating sites are marked by symbols – activate symbols



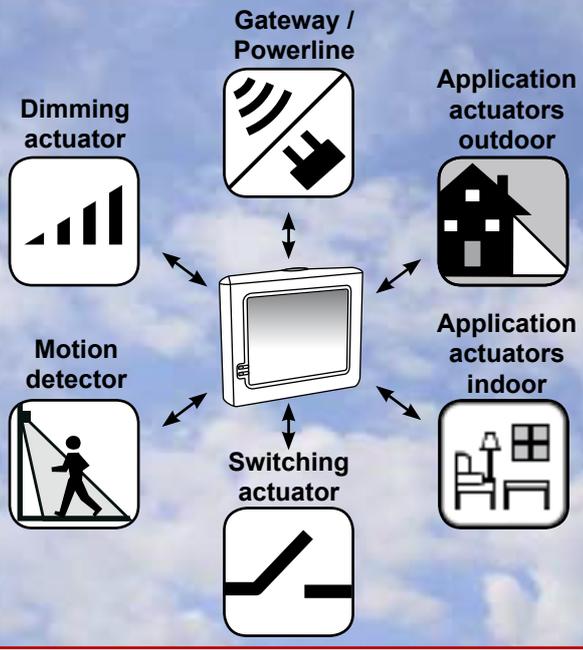
Choose between outdoor and indoor use, example: outdoor use



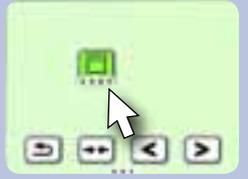
Allocate operating site of an outdoor use, here: patio



Confirm with OK



Set-up of actuators



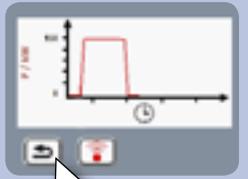
Example: Connection with eMetering for dish washer



Set-ups



Setting type of function
 - Display of metering € or set testing time
 - or switching as actuator



Curve type of power consumption with calculation of crest value



Display of electrical data as well as amount of invoice

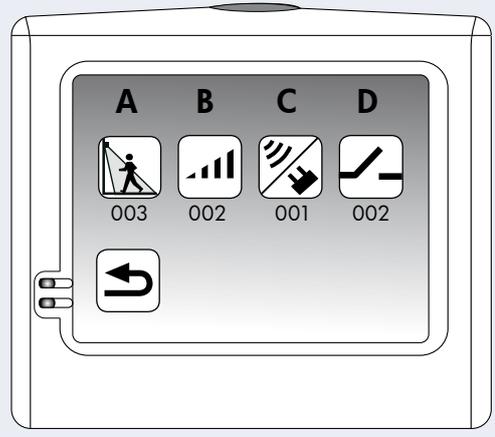


Setting of both testing and switching time of actuators



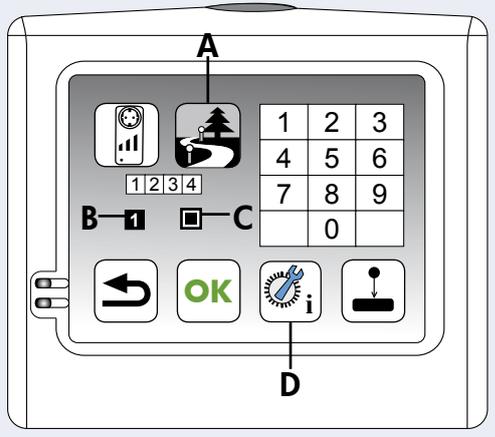
Setting of time with potentiometers

Indoor applications (symbol selection)



▪ **Overview detectors and actuators in use**

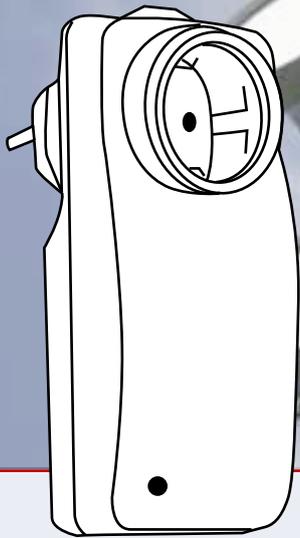
- A Number of sensors
- B Number of dimming actuators
- C Number of gateways
- D Number of switching actuators



▪ **Configuration menu for detectors and actuators**

- A Freely selectable icon for displaying the application, here garden light
- B Group
- C Central switch
- D Info/Timer

Radio actuators



Up to four repeaters for extending the range

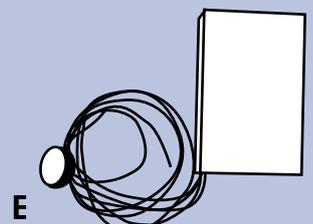
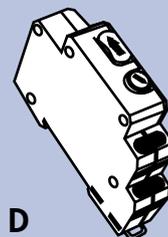
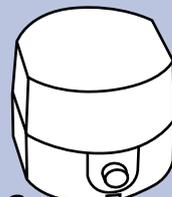
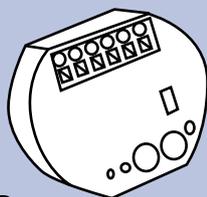
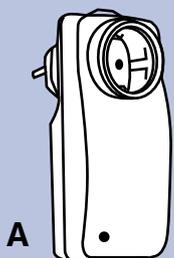
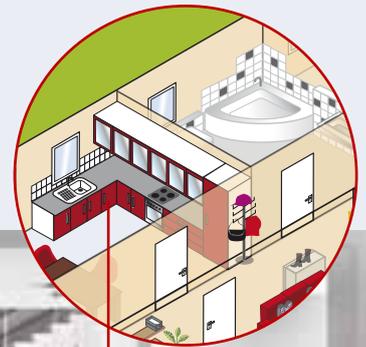
The intelligent wireless connection – invisible and convenient at home

Control your signal transmission by radio conveniently and without complex installations. The various **B.E.G.** radio receiver modules receive an encoded radio signal from a wireless motion detector and switch the connected consumers (lighting, heating, air-conditioning or ventilation) as an actuator.

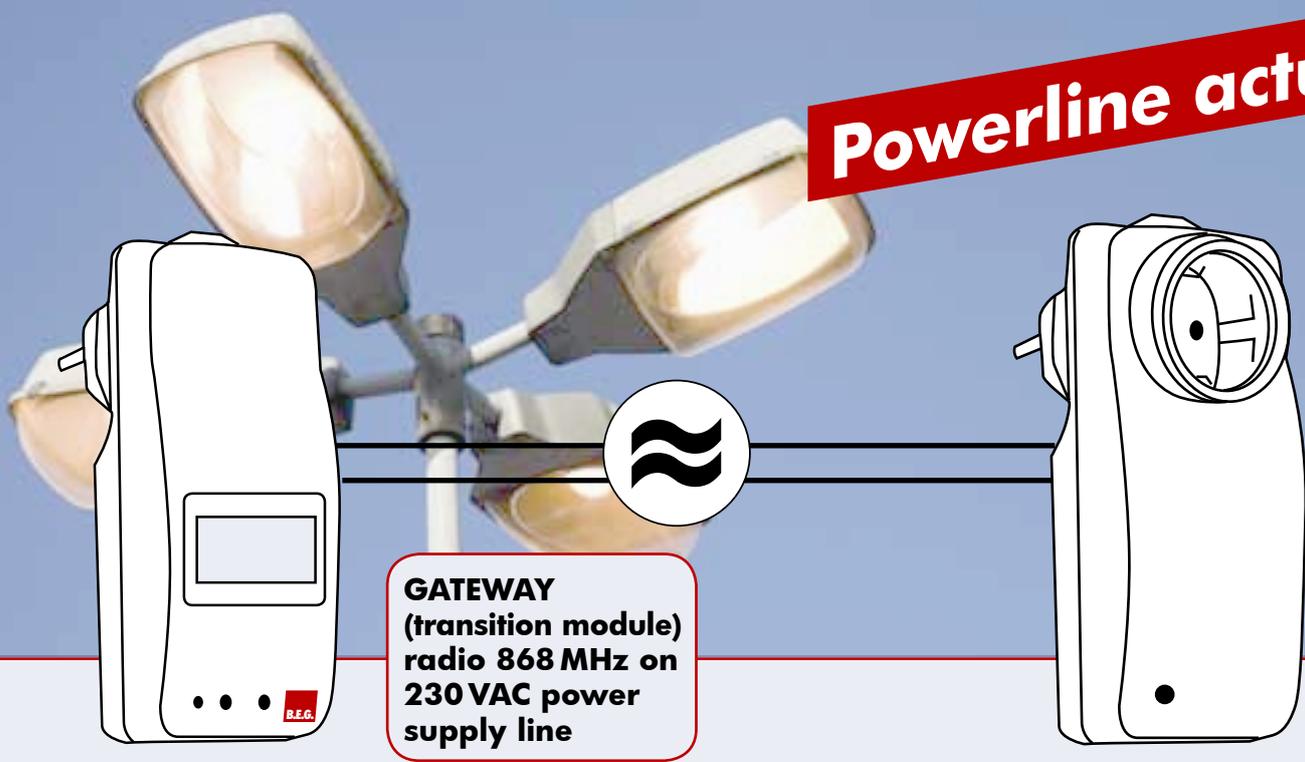
Even special applications can be handled with ease as the radio transmitters can be positioned anywhere, no cabling is needed and intelligent receivers are used.

The ideal solution for renovations and retrofits! ■

ON/OFF switching of household appliances via Powerline or radio (868 MHz)



Powerline actuators

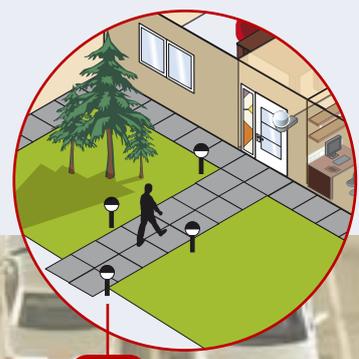


Almost unlimited range – connection via Powerline

A wireless connection is sometimes not possible, especially at greater distances e.g. parking area or garden lighting or with walls or ceilings made of concrete e.g. basement apartment. In this case, Powerline actuators from **B.E.G.** are the ideal choice for controlling electrical appliances via the existing power network. The Radio Powerline Gateway can be used at the same time to connect the radio system 868 MHz to the power supply line.

Reliable switching and dimming from all angle! ■

ON/OFF switching of garden lights by sub-distribution via Powerline



■ Actuators for individual applications

- A** Actuators for sockets ideally suitable for switching mobile lights, ventilators or radiators
- B** Actuators for sub-distribution fitting in standard flush mounted sockets with Ø of 60 mm
- C** Surface mounted actuators for outdoor and indoor use
- D** Actuators for sub-distribution (DIN-rail)
- E** Actuators for subsequent installation in lights

Integrated time switch for all connected consumer



▪ **Weekday setting**

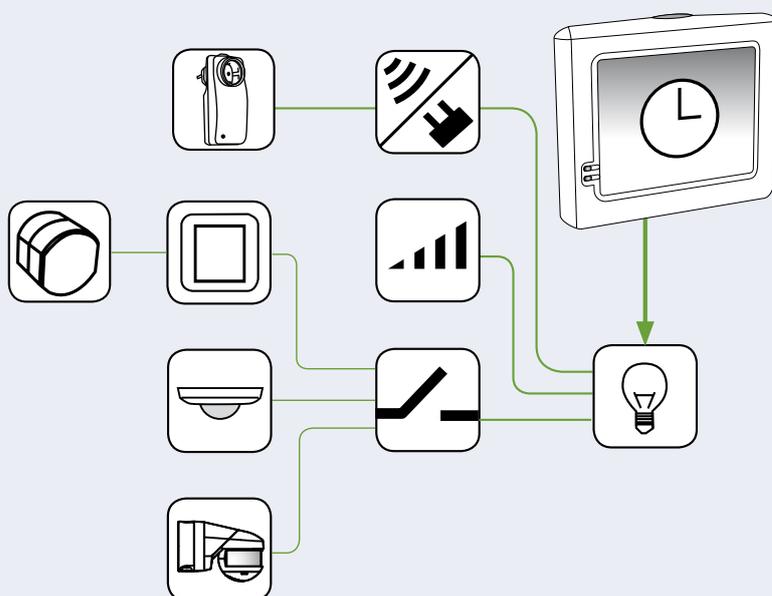


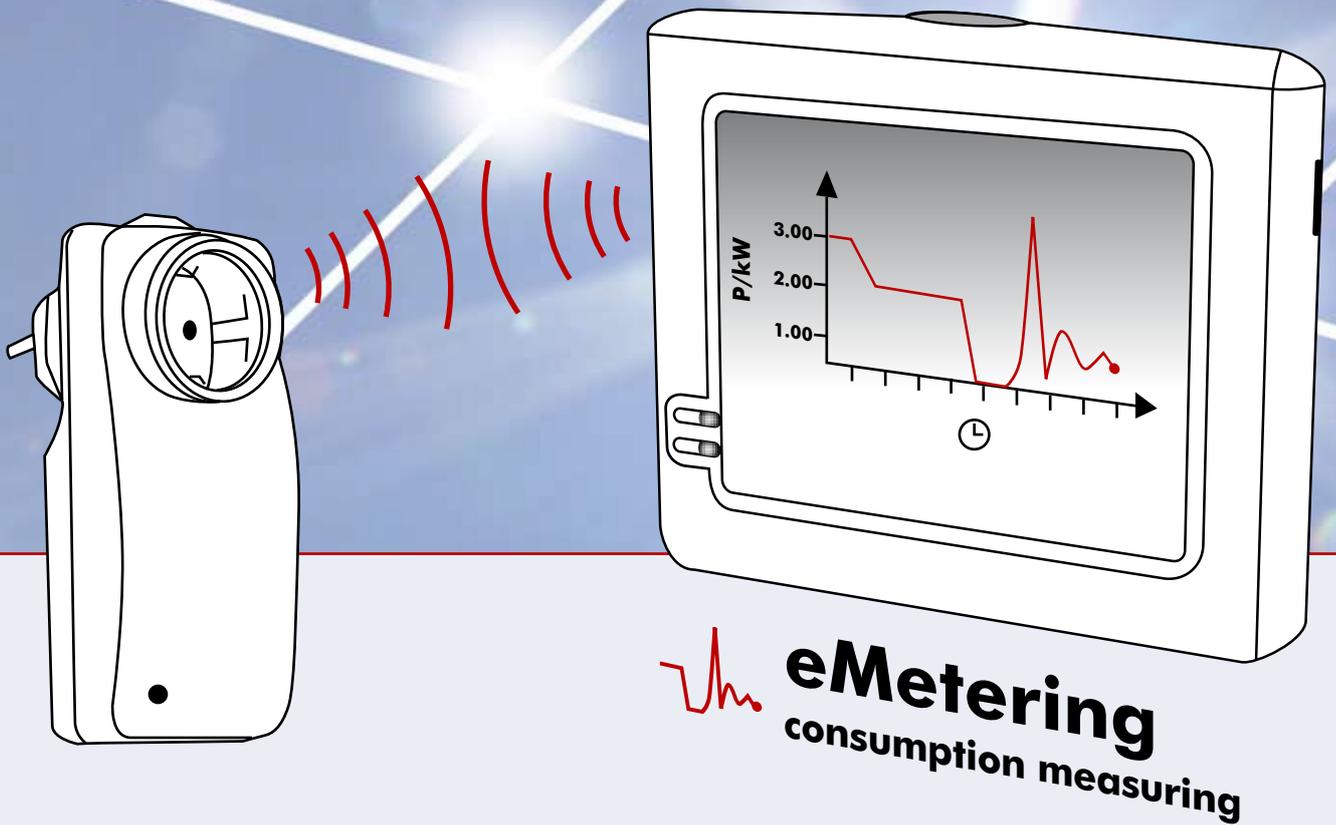
▪ **Time setting with optical control dials**

Time-controlled energy saving with the integrated timer

The reason for switching and measuring can take place in defined time intervals is that the MyControl also offers an integrated, digital daily and weekly timer. On and off switching times can be programmed quickly and conveniently for all PL actuators thanks to the clear operating structure. The new switching times can be set, changed and deleted flexibly. Four time switch points in a daily or weekly program can be stored on every actuator.

Keep track of your consumption data the easy way with **B.E.G.!**





Easy consumption measurement via e-metering actuator and display

The power consumption of electrical devices is measured in kilowatt. With the help of eMetering the energy consumption in kilowatt hour of individual devices can be calculated.

The monitor shows a diagram with the current consumption. On an additional page, the total consumption is shown after a re-set. In order to analyse a long-term testing more precisely, data is saved on a SD-card and is transferred to a PC.

Keep track of your energy the easy way with **B.E.G.!** ■



Single phase - Direct energy measurement

Technical data	MyControl
Measuring accuracy acc IEC1036	Class 2 (2%)
Current strength max.	16 A ~ direct
Power supply	Single phase 230V ~ 50Hz
Switch	complete and partial with reset
Size	1 module



The new heating control system for time- and temperature-controlled energy saving!

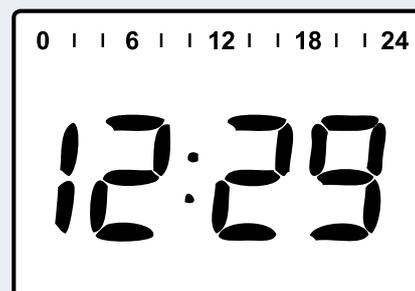
Save heating costs efficiently with the battery-operated and radio-controlled heating thermostat. The appliance can be installed by simply replacing the existing thermostat head. It fits on almost all standard radiator valves.

There are heating programs for any individual setting for every day of the week, weekends and separate vacation times. Three preset selection modules can be selected: Day, Night and Frost Protection as well as ex works. The integrated frost protection function prevents the radiator from freezing. In „Stand alone“ mode, the TRV2 detects sudden temperature drops, e.g. when the heating is switched off and the window open. The control is regulated via the window contact in the radio version.

Heat precisely to the minute and save, with up to four switching times per day! ▀



Example



▀ **Save up to 30% energy**

▀ **LCD display**

B.E.G.

LUXOMAT® SMARTHOME STARTER SET



Mobile Safety

- Smoke detector central with touchscreen monitor
- Wireless networked smoke detector 868 MHz, bidirectional
- Starter set: 2 smoke detectors + 1 central monitor





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ISO 14001



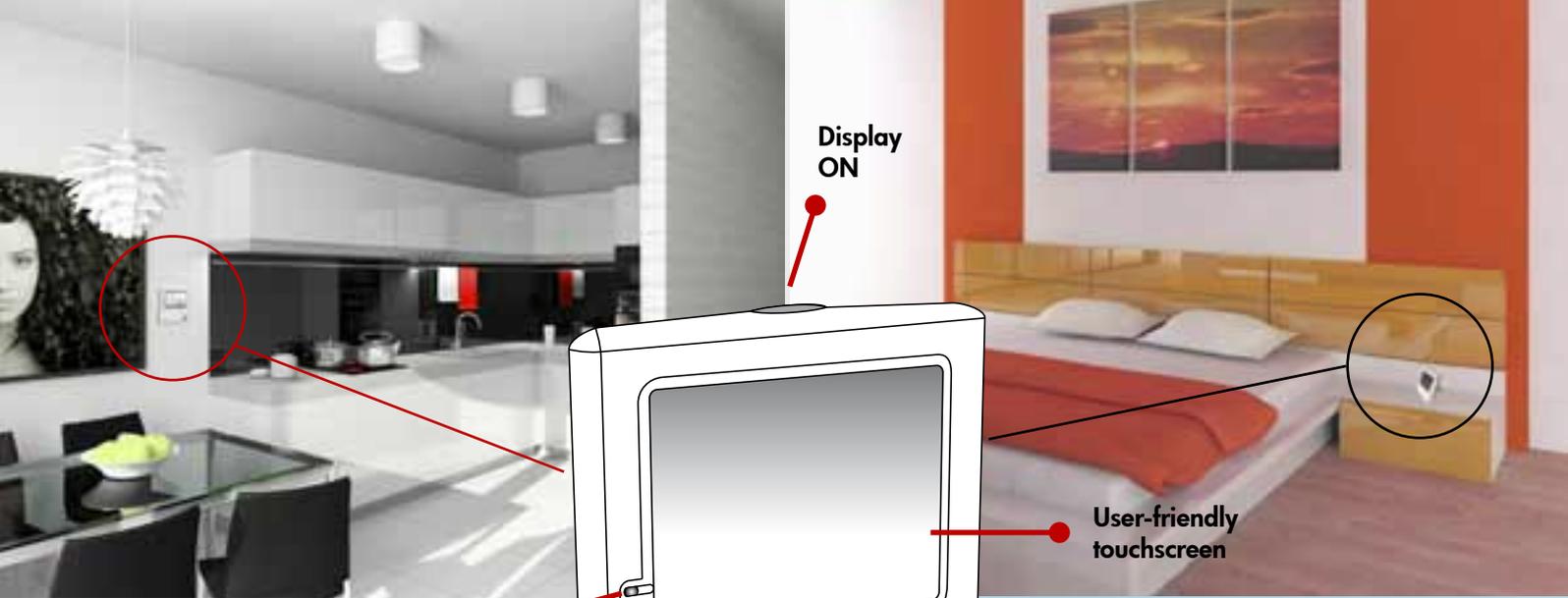
Environmental management

ISO 9001



Quality management

INTELLIGENT. MOBILE. DIRECT. – A CENTRAL CONTROL – LUXOMAT® MyControl



Display ON

User-friendly touchscreen

Charge display

Power supply

Including bracket for wall mounting or as stand

Input Micro SD card

Recording of all consumption data for later evaluation on PC

LED status display

Software update with PC via USB