

# B.E.G. SMARTHOME



The comprehensive solution for home automation

▪ [www.beg-luxomat.com](http://www.beg-luxomat.com) ▪



Energy efficiency



Fire safety



Comfort

# SMARTHOME ~ The comprehensive solution for home automation

## How the SMARTHOME works

### What is B.E.G. SMARTHOME?

- SMARTHOME is a control, information and safety system for homes and buildings

### How does B.E.G. SMARTHOME work?

- It is based on the **bidirectional transfer** of radio signals in the 868 MHz band using the international z-Wave protocol.

### What can I do with B.E.G. SMARTHOME?

- Switch heaters on and off using a time switch or occupancy detector and thus save energy
- Meter both the connected appliances' and the entire building's consumption
- Switch household appliances and lamps on and off
- Monitor smoke detectors and display smoke alarms

### History and objectives?

- Originally, the intention was to develop a central monitor system for smoke detectors. The system evolved to encompass home automation devices.

### MyControl is the Master

- SMARTHOME possesses the central MyControl monitoring and control unit that is also used as the central smoke-alarm unit.
- All devices should be registered with MyControl for full central control functionality



### What is an Home ID?

- The Home ID is a number that serves to identify the devices within the system and enables them to communicate with each other.
- Only devices possessing the same Home ID are able to communicate with each other.

### Symbols












- The entire system is symbol and icon based
- There are five function groups/device groups along with five corresponding symbols:



# A world without wires ~

## the central control system for your home

### Sorted by product groups

<i>Symbol</i>	<i>Product group</i>	<i>Page</i>
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The intelligent home



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# Monitoring Metering Switching

- **SMARTHOME** by **B.E.G.** is a bus system that uses wireless and powerline connections. It is ideally suited for integration into already existing installations, without the need for any additional cables.
- **B.E.G.'s SMARTHOME** system allows smoke detectors to be monitored and lighting, shutters and room temperatures to be controlled.
- Functions such as the integrated time switch and consumption metering are available!



## The all-round solution for building automation

- Comfortably control your systems without the need for any great installation work through the transmission of radio signals. **B.E.G.'s** wireless system transfers bidirectional switching commands using the 868 MHz band to all individual units and so does away with the need for cabling.
- Particularly useful installation for retrofitting into building automation in houses, schools and offices.

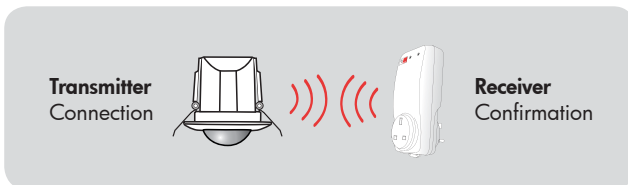


# Professional solutions

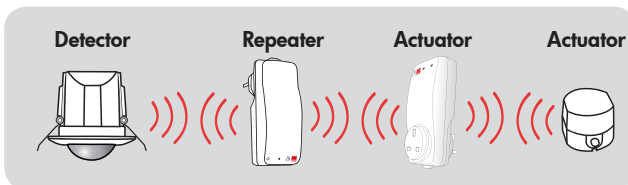
## 100% customer benefit



- **Progressive wireless protocol:** it is based on the bidirectional transfer of radio signals in the 868 MHz band using the international z-Wave protocol.
- **Ideal to install:** no additional cabling or wires required for many devices. Which means that walls do not have to be damaged.
- **Simple learning:**

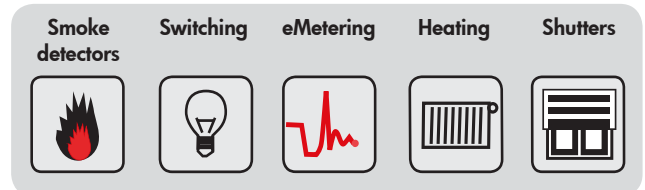


- **Time savings:** the solution for increasing your freetime through mobile systems
- **Range booster:** repeaters extend the range; signals between transmitters and receivers may be sent across up to four stations. This function has also been incorporated into the wireless actuators.



- **Quality and environmental management:** **B.E.G.** possesses certification in accordance with ISO 9001:2008 (quality management) and ISO 14001:2004 (environmental management).

- **Energy efficiency:** simple energy metering of individual appliances using the MyControl monitor in conjunction with the "intelligent" plug socket and integrated day's and week's timer switch. The total consumption of individual phases can also be metered
- **Safety in the event of fire:** for individual and group solutions with smoke detectors
- **Comfort:** simple wireless and powerline based consumer control for saving energy and for operational safety within buildings
- **May be used anywhere:** ideal for installing into already existing building automation systems
- **The building manager – one system:** central overview and operation of all individual devices
- **Simple and quick set-up:** clear menu navigation and icon-controlled menu with five different device groups:



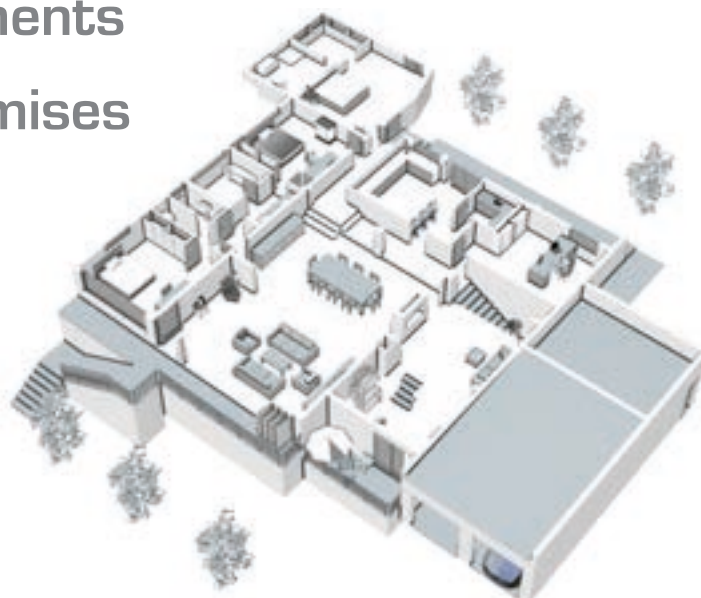
- **Central switch:** for switching off critical appliances



Apartments

Business premises

Public facilities



# MyControl ~ central monitoring unit ~ intelligent, mobile control



*Signalling, controlling, triggering alarms by touch-screen*



**MyControl touch-screen  
control centre**

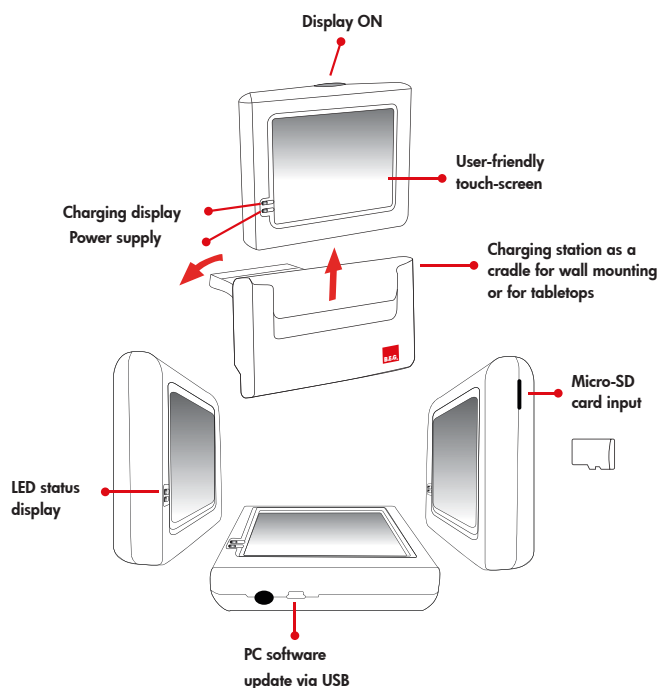
## **i** Product information

- Uses Touchscreen technology
- The central smoke detector unit and central control and registration station
- The central monitoring and control unit for **B.E.G.'s** wireless (868 MHz) and powerline products for fitting in already existing building automation systems
- Particularly useful for retrofitting into building automation in houses, schools and offices

## Technical data

### Touchscreen Central MyControl

- Simple read-out of metered values
- Clear menu navigation
- Table or schematic view of trends
- Indication of the actual consumption in kWh and in €/£
- Icon-controlled menu
- Individual icon arrangement
- Acoustic alarm in the event of emergencies
- Central switch for switching off critical appliances
- Wireless radio connection to all individual units (868 MHz)
- **Gateway:** solutions using power lines (mains) for bridging longer distances



Description	Type	Color	No.
Touch-screen monitor, as a control station	MyControl	white	90154
Touch-screen monitor, as a control station	MyControl	anthracite	90156
Touch-screen monitor, as a control station	MyControl	silver	90155

# Metering consumption ~ plug-socket devices

## Intelligent consumption metering



### Metering energy consumption by individual appliances



**Intelligent plug socket (wirelessly connected)**  
ME-ST-ZW



**Energy monitor (stand-alone)**  
E-MON-ST

#### **i** Product information

- Simple rapid energy metering and consumption-value display:
  - Consumed energy in kWh and €/£
  - Voltage/V and current/A
  - Power factor in cos.
  - Effective power in watts
  - Apparent power in VA
- Simple read-out of metered values
- User-friendly menu guidance

#### Technical data

##### ME-ST-ZW intelligent plug socket (wirelessly connected)

- Simple energy metering in conjunction with the MyControl monitoring and control unit
- Plug-socket housing
- Table or schematic view of trends
- Logs written to micro-SD card via MyControl
- Switching power for appliances up to 3680 W



MyControl



eMetering

##### Energy monitor (stand-alone) E-MON-ST

- A portable adapter-plug solution for metering the consumption of electrical appliances
- The device possesses an attitude sensor that automatically positions the display according to the direction it has been fitted in.
- Large, illuminated LCD
- Maximum connection performance of up to 3680 W

Description	Type	Color	No.
Intelligent plug socket	ME-ST-ZW	white	90151
Energy monitor (stand-alone)	E-MON-ST	white	90164

# Energy Metering ~ DIN-rail devices

## Intelligent consumption metering



### Single-phase and three-phase energy metering



Single-phase energy meter in conjunction with power transformer

ME-REG-ZW



Radio antenna  
ANT-REG-ZW



Power transformer  
STW-ZW



Interface for electricity, gas and water meters with S0 interface

S0-REG-ZW

#### **i** Product information

- Convenient, fast power measurement and display the consumption data:
  - Energy consumed in kWh and €/£
  - Voltage / V Current / A
  - Power factor cos
  - Real power in watts
  - Apparent power in VA
- Easy readout of measurement values
- User-friendly menu guidance
- Power traffic-light system

#### Technical data

##### Single-phase energy meter with ME-REG-ZW power transformer

- Total energy metering and display in conjunction with the MyControl monitoring and control unit, the ANT-REG-ZW radio antenna and the STW-ZW power transformer
- Intelligent single-phase metering
- Rail-mounted device – 1 TE, plus STW-ZW
- Table or schematic view of trends
- Logs written to micro-SD card via MyControl

##### STW-ZW power transformer

- For metering energy consumption using the SMARTHOME MyControl unit



MyControl

ME-REG-ZW



ANT-REG-ZW



STW-ZW

##### Interface for electricity, gas and water meters with S0-REG-ZW S0 interface

- S0 interface counts the power impulses and in this way calculates the consumed power and quantity
- May be employed with single or triple phase depending on the S0 electricity meter used



MyControl

S0-REG-ZW



ANT-REG-ZW



S0-electricity meter  
(not supplied)

Description	Type	Color	No.
Single-phase energy meter in conjunction with power transformer	ME-REG-ZW	white	90147
Radio antenna	ANT-REG-ZW	black	90148
CT transformer	STW-ZW	black	90174
Interface for electricity, gas or water meters with S0 interface	S0-REG-ZW	white	90168



# Switching ~ wireless actuators

## for saving energy in buildings



### Switching wirelessly



**Surface-mounted wireless actuator**  
A-AP-ZW



**Flush-mounted wireless actuator**  
A-UP-ZW



**Wireless plug-socket actuator**  
A-ST-ZW

### **i** Product information

- The different **B.E.G.** wireless actuators receive encoded radio signals transmitted by a wireless occupancy detector or the MyControl touch-screen, confirm that the signal has been properly received and switch on the connected appliances (lighting, heating, air-conditioning and ventilation).
- The optimum solution for modernisations and retrofiting
- Switching power for appliances up to 2300 W

### Technical data

#### A-AP-ZW surface-mounted wireless actuator

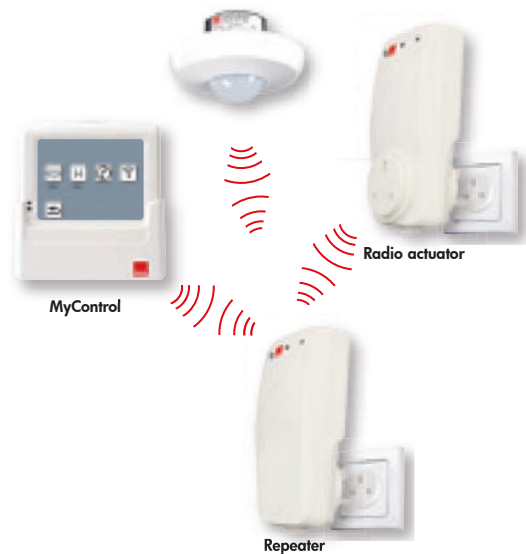
- Wireless actuator as a surface-mounted module for integration into **B.E.G.'s** SMARTHOME system
- Switching power for appliances up to 2300 W

#### A-ST-ZW wireless plug-socket actuator

- Wireless actuator as a plug-socket module for integration into **B.E.G.'s** SMARTHOME system
- Switching power for appliances up to 2300 W

#### A-UP-ZW flush-mounted wireless actuator

- Wireless actuator as a flush-mounted module for integration into **B.E.G.'s** SMARTHOME system
- Switching power for appliances up to 2300 W



Description	Type	Color	No.
Surface-mounted wireless actuator	A-AP-ZW	white	92807
Flush-mounted wireless actuator	A-UP-ZW	white	92805
Wireless plug-socket actuator	A-ST-ZW	white	92817

# Switching ~ actuators for shutters

For saving energy in buildings



## Opening and closing the shutter



**Wireless actuator  
for shutters,  
flush-mounted**  
A-UP-ZW

### **i** Product information

- Ideal for controlling shutters without the need for installing any additional cables
- May be used with different makes of wire-connected motors for shutters

### Technical data

#### Wireless shutters-flush actuator RA-UP-ZW

- Wireless actuator for shutters as a flush-mounted module for integration into **B.E.G.'s** SMARTHOME system
- Cables are laid behind the existing switch for the shutters or close to the power supply for the motor that drives the shutters.



**Wall switch for  
controlling shutters**  
TAR-AP-ZW

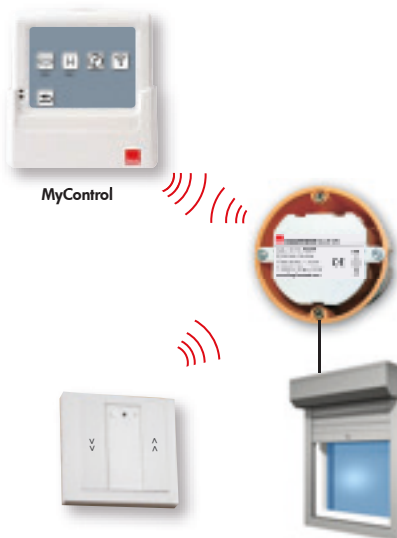
### **i** Product information

- Bidirectional wireless transmission with wall switch to the actuator for shutters
- Simple flip switch for controlling shutters

### Technical data

#### Switch for shutters TAR-AP-ZW

- Battery-operated surface-mounted switch for controlling shutters by transmitting radio signals to actuators for shutters
- May be mounted on the switch socket or anywhere on a wall.



Description	Type	Color	No.
Wireless shutter-flush actuator	RA-UP-ZW	white	92079
Switch for shutters	TAR-AP-ZW	white	92078

# Switching ~ Powerline actuators

## For saving energy in buildings



### Switching via the mains



**Powerline plug-socket actuator**  
A-ST-PL



**Flush-mounted powerline actuator**  
A-UP-PL

#### **i** Product information

- Controlling electric appliances over longer distances through existing power lines, 230 V
- When wireless signal is not powerful enough
- Particularly for car-park and garden lighting and where the walls and ceilings are made of reinforced concrete, e.g. basement flats.
- Switching power for appliances up to 2300 W

#### Technical data

##### A-ST-PL powerline plug-socket actuator

- Power-line actuator plug-socket module for integration into **B.E.G.'s** SMARTHOME system
- For controlling and switching appliances through the existing mains supply

##### A-UP-PL flush-mounted powerline actuator

- Power-line actuator for flush-mounted installation and integration into **B.E.G.'s** SMARTHOME system
- For controlling and switching appliances through the existing power network



Description	Type	Color	No.
Powerline plug-socket actuator	A-ST-PL	white	90158
Flush-mounted Powerline actuator	A-UP-PL	white	90116

# Connecting devices

## For saving energy in buildings



### Powerline/wireless bi-directional interface



**Gateway powerline-wireless**  
Gateway-PL-ZW

#### **i** Product information

- Gateway powerline-wireless converting powerline signals into radio signals and thus for using the MyControl screen for displaying and controlling values
- For example, for car-park and garden lighting and where the walls and ceilings are made of reinforced concrete and for basement flats.

#### Technical data

##### Gateway-PL-ZW

- Bidirectional gateway (converter module) from wireless technology (868 MHz) to power line (230V) and power line to wireless, for using power lines to transmit signals
- Only works in conjunction with **B.E.G.** powerline actuators



### Bidirectional Web server



**Webserver**

#### **i** Product information

- For the bidirectional querying, controlling and transmission of data from the **SMARTHOME** system via Ethernet, e.g. to smartphones

#### Technical data

##### Webserver

- Web server for global access to the **B.E.G.** SMARTHOME system
- Status data transferred to and displayed on mobile phones and computers



Description	Type	Color	No.
Gateway powerline-wireless	Gateway-PL-ZW	white	90153
Webserver	Webserver	white	90167

# Connecting devices

## For saving energy in buildings



### Range extension



**Plug-socket wireless repeater**  
REP-ST-ZW



**Flush-mounted wireless repeater**  
REP-UP-ZW

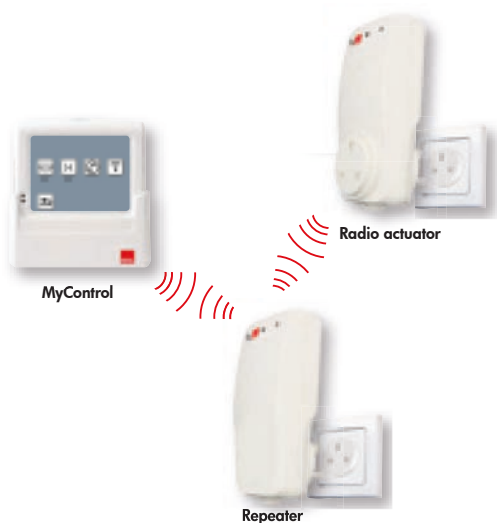
#### **i** Product information

- Repeaters for extending ranges in buildings. These repeaters boost ranges and use radio signals for switching commands.
- The optimum solution for modernisations and retrofitting

#### Technical data

##### Repeaters are available as plug-socket and flush-mounted versions

- The Repeater-ZW allows the range to be extended between transmitters and receivers.
- Plug-socket module or flush mounted



### Information forwarded by SMS



**For switching via the mobile-phone network**  
SMS-Control SC1



**REG wireless receiver and control unit for SMS control SC1**  
SMS-REG-ZW

#### **i** Product information

- For switching up to two devices on and off, e.g. air-conditioning and heating, using SMS or for transmitting alarms to up to eight phones.
- For switching heaters, lights, boilers, pumps, watering systems, alarm systems

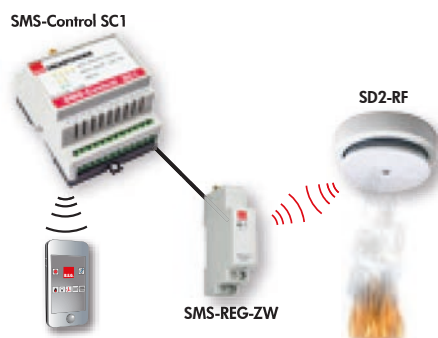
#### Technical data

##### SMS-Control SC1

- Easily programmed via PC and is ready for immediate use
- Each switching action is confirmed by SMS
- Remote switching per caller identification

##### SMS-REG-ZW

- REG wireless receiver and control unit for sub-distributing signals when connecting the SMS-Control SC1 to the SD2-RF smoke detector in the SMARTHOME system



Description	Type	Color	No.
Flush-mounted wireless repeater	REP-UP-ZW	white	92820
Plug-socket wireless repeater	REP-ST-ZW	white	92819
SC1 SMS control for switching via the mobile-phone network	SMS-Control SC1	white	96100
Controller for connecting wireless smoke detectors to the SMS control SC1	SMS-REG-ZW	white	90169

# Switching ~ wireless occupancy and motion detector

For saving energy in buildings



## Integration of B.E.G.'s motion and occupancy detectors into the SMARTHOME system



**Wireless outdoor motion detector**  
RC-plus next 230 ZW



**Remote control**  
IR-SMARTHOME



**Wireless occupancy detector, surface-mounted**  
PD3N-SM-ZW

**Wireless occupancy detector, ceiling-mounted**  
PD3N-FC-ZW

**Wireless occupancy detector, flush-mounted**  
PD3N-FM-ZW

### **i** Product information

- Wireless occupancy detector that sends a radio signal to a radio receiver or actuator when motion is detected and a pre-set twilight value has been reached.
- Settings may be made manually on the detector or with the IR-SMARTHOME remote control
- Monitoring outside and inside the house

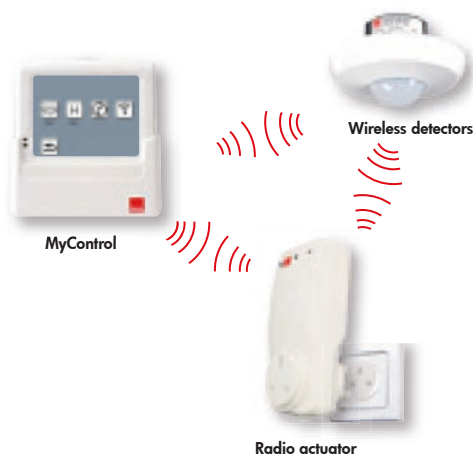
### Technical data

#### RC-plus next 230 ZW wireless outdoor motion detector

- 230° coverage and 360° creep zone protection for comprehensive monitoring
- 20 m range
- May be fitted to walls, ceilings and outer corners
- Single-hand plug-in base fitting
- Monitoring of an entire side of a building, i.e. on warehouses, loading ramps and underground car parks

#### PD3N-ZW wireless occupancy detector for ceilings

- As surface-, ceiling- and flush-mounted versions with circular coverage
- 10 m coverage
- Monitoring of corridors, hobby rooms, garages, etc.
- May be used with or without MyControl.
- Has a built in relay to switch a 2nd channel for example lighting.



Description	Type	Color	No.
Wireless outdoor motion detector	RC-plus next 230 ZW	white	92066
Wireless occupancy detector, surface-mounted	PD3N-SM-ZW	white	92072
Wireless occupancy detector, false-ceiling mounted	PD3N-FC-ZW	white	92071
Wireless occupancy detector, flush-mounted	PD3N-FM-ZW	white	92067
Remote control for wireless motion detectors	IR-SMARTHOME	gray	90162

# Switching ~ wireless sensors

For saving energy in buildings



## Sensor for windows



**Window contact**  
FEN-AP-ZW

### Technical data

#### FEN-AP-ZW window contact

- For switching off the heating when the window is open, for use with the TRV2-ZW heater thermostat

### Product information

- For achieving the optimum savings in energy costs and greater safety in buildings



## Sensor for radio-field measurements



**Wireless indicator**  
RF-Indicator-ZW

### Technical data

#### RF-Indicator-ZW radio indicator

- Field-strength meter – radio indicator for checking the radio range and the protocol's connection transfer from **B.E.G.** SMARTHOME devices
- Radio telegrams displayed via LEDs:
  - Radio traffic
  - Faulty radio packets
  - Smoke detector alarm display (FLIRS)
  - ACK radio packets

### Product information

- Wireless sensors for monitoring the radio range

Description	Type	Color	No.
Wireless indicator	RF-Indicator-ZW	black	90149
Window contact	FEN-AP-ZW	white	90145

# Smoke Detectors ~

## Fire safety



### Stand-alone and wirelessly-networked smoke detectors



Wirelessly-linkable battery-operated smoke detector

SD2-RF

Also as a stand-alone device

SD2



Smoke detector  
(stand-alone)

SD1-N

#### Product information

- Smoke detector for realising an early-warning system in the event of smoke and fire
- Detects dense smoke, no flames
- Protection in all rooms, corridors, cellars and lofts, particularly bedrooms, children's rooms and corridors

#### Technical data

##### SD1-N stand-alone smoke detectors

- VdS-certified smoke detector
- Regularly checks the functioning of the electronic measuring system and the battery charge
- Version with lithium battery that will last for up to five years

##### SD2 stand-alone smoke detector

- VdS-certified smoke detector
- Regularly checks the functioning of the electronic measuring system and the battery charge
- Version with lithium battery that will last for up to ten years

##### SD2-RF wirelessly-connectable smoke detector (in addition to SD2)

- Version for connecting to SMARTHOME MyControl
- Regularly checks the electronic measuring system's functioning and the battery charge and displays errors in the central unit
- Up to 80 subscribers may be wirelessly networked
- Displays which smoke detector triggered the alarm on the screen



Description	Type	Color	No.
Stand-alone smoke detector with battery	SD1-N – Battery	white	94208
Stand-alone smoke detector with lithium battery	SD1-N – Lithium	white	94209
Stand-alone smoke detector with battery	SD2 – Battery	white	94204
Stand-alone smoke detector with lithium battery	SD2 – Lithium	white	94207
Wirelessly-connectable smoke detector with lithium battery	SD2-RF – Lithium	white	94205



# Heating ~ heater thermostats

Time, occupancy and temperature controlled



## Stand-alone and wirelessly-networked heating control



**Wireless connectable  
Heating valve**  
TRV2-ZW  
as a stand-alone device  
TRV2



**Programming stick**  
TRV2-Stick

### **i** Product information

- Saving up to 30% of heating costs
- Applicable through simple installation and replacement of the existing thermostat
- Fits on almost all widely used radiator valves
- For the time occupancy and temperature-controlled setting of heaters in single-family houses

### Technical data

#### TRV2 stand-alone electronic Heating valve

- Three pre-set selection modes: day, night and anti-frost
- Integrated anti-freeze protection prevents radiators from freezing
- Automatic summer/winter time settings
- Battery-operated

#### TRV2 programming stick

- Heating and economy times for the TRV2 heating control may be comfortably set on the PC and then automatically downloaded from the stick to the thermostat

#### Wirelessly-connectable TRV2-ZW Heating valve (same as TRV2)

- Wirelessly-controlled for integration into **B.E.G.'s** SMARTHOME concept
- The use of a Repeater-ZW is required.
- Presence-dependent activation and deactivation with PD3N-ZW



Description	Type	Color	No.
Stand-alone Heating valve	TRV2	white	92053
Wireless Heating valve	TRV2-ZW	white	92046
Programming stick	TRV2-Stick	–	92054

# SMARTHOME starter sets

Combination of products from the SMARTHOME family



To make your first encounter with B.E.G.'s SMARTHOME system easier, the devices in the individual starter sets have already been networked with each other and programmed at the factory.



Starter set 1

## Contents

### Starter set 1, pre-programmed

- 2x SD2-RF wirelessly-networked smoke detectors, 868 MHz bidirectional
- 1x MyControl central smoke detector unit



Starter set 2

### Starter set 2

- 4x SD1-N-Lithium stand-alone smoke detectors



Starter set 3

### Starter set 3

- 4x TRV2 stand-alone Heating valve
- 1x TRV2 programming stick



Starter set 4

### Starter set 4, pre-programmed

- 1x PD3N-SM-ZW wireless motion detector, surface-mounted or 1x PD3N-FC-ZW wireless motion detector, for fitting into ceilings
- 1x TRV2-ZW Heating valve
- 1x FEN-AP-ZW window contact
- 1x Repeater-ZW
- 1x IR-SMARTHOME
- 1x MyControl control monitor



Starter set 5



**Starter set 5, pre-programmed**

- 1x RC-plus next 230 ZW outdoor motion detector
- 1x A-AP-ZW surface-mounted wireless actuator



Starter set 6



**Starter set 6, pre-programmed**

- 2x A-SM-ZW surface-mounted wireless actuators
- 1x MyControl control monitor
- 1x eMetering intelligent plug socket



Starter set 7



**Starter set 7, pre-programmed**

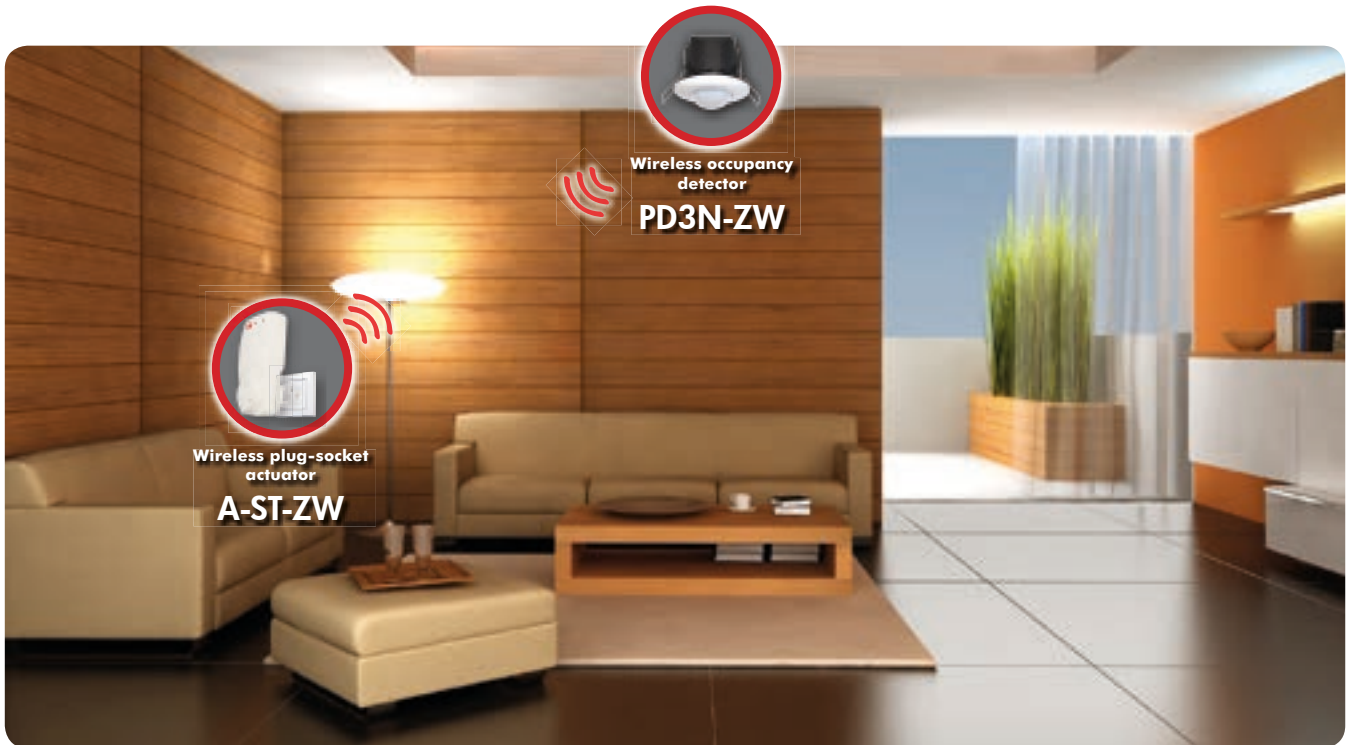
- 1x PD3N-FC-ZW wireless motion detector, for fitting into ceilings
- 1x A-UP-ZW flush-mounted wireless actuator

Description	Type	Color	No.
Starter set 1 wireless smoke detector system	Starter set 1	–	92559
Starter set 2 smoke detector promotion	Starter set 2	–	94210
Starter set 3 TRV2 promotion	Starter set 3	–	92059
Starter set 4 wireless heating control with PD3N-SM-ZW	Starter set 4 SM	–	92546
Starter set 4 wireless heating control with PD3N-FC-ZW	Starter set 4 FC	–	92548
Starter set 5 with outdoor wireless switching	Starter set 5	–	92484
Starter set 6 with indoor wireless switching and consumption metering	Starter set 6	–	92561
Starter set 7 with indoor wireless switching	Starter set 7	–	92483

# Select the appropriate application

## Wireless solution configuration

- Simple indoor lighting control



## Lighting control in buildings

- Simple outdoor lighting control



# In your home

## Heating control

- Creating atmospheres or scenarios



## Safety throughout your home

- With the help of smoke detectors



# Select the appropriate application

## Presence-controlled lighting

- Lighting control in conference rooms



## Lighting control in rooms

- Controlling light scenarios at a medical practice



# On business premises

*Controlling shutters ~ wirelessly reducing the light in training rooms*

- Protection against sunlight and loss of heat



*Central lighting control*

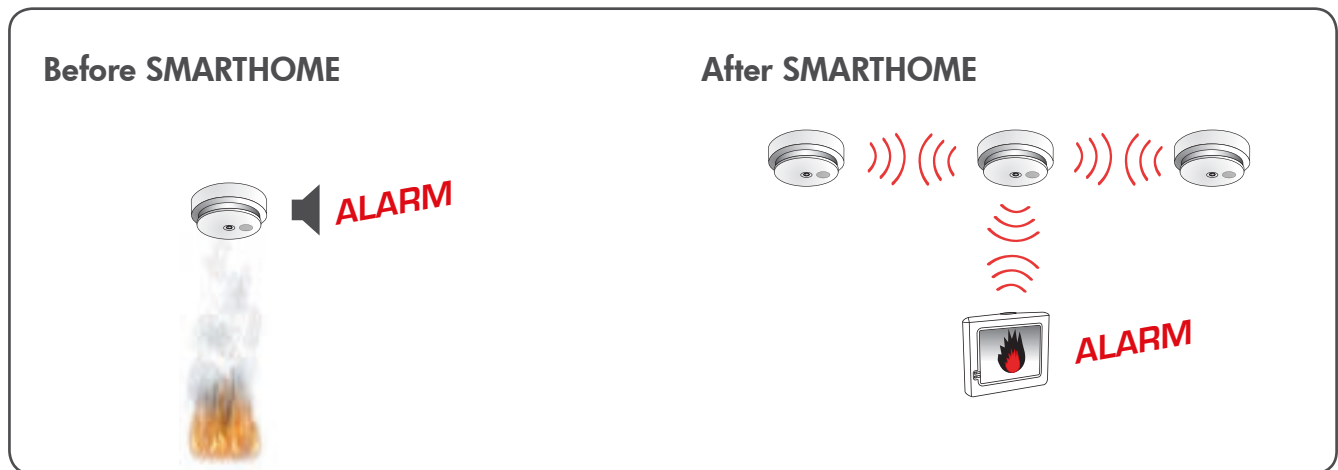
- Time-dependent lighting control



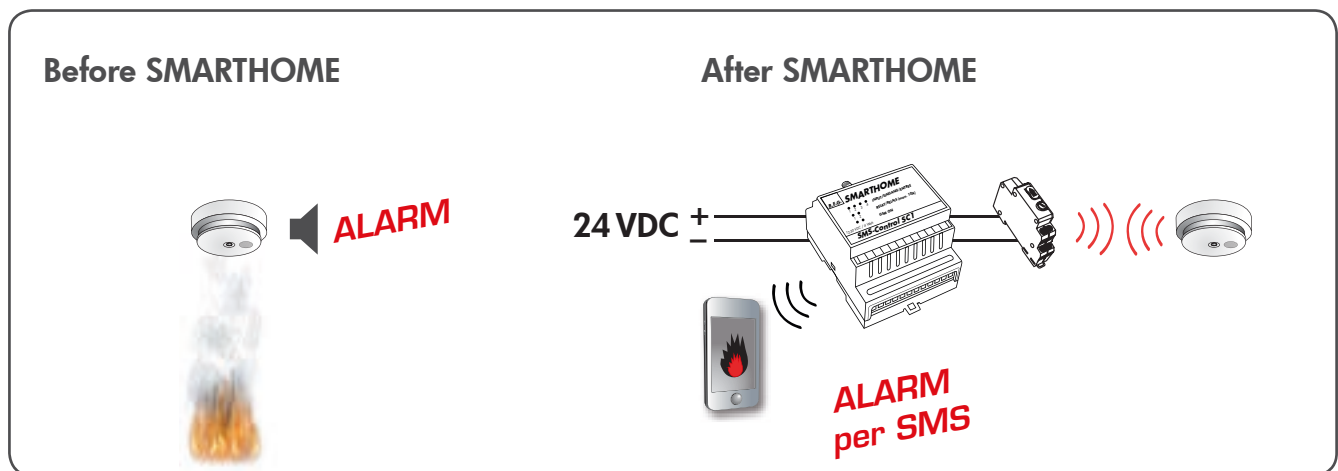
# Bidirectional wireless applications

## Smoke detector

A wireless smoke detector used with the central smoke detector unit



Fire alarm forwarded using the SMS-Control SC1

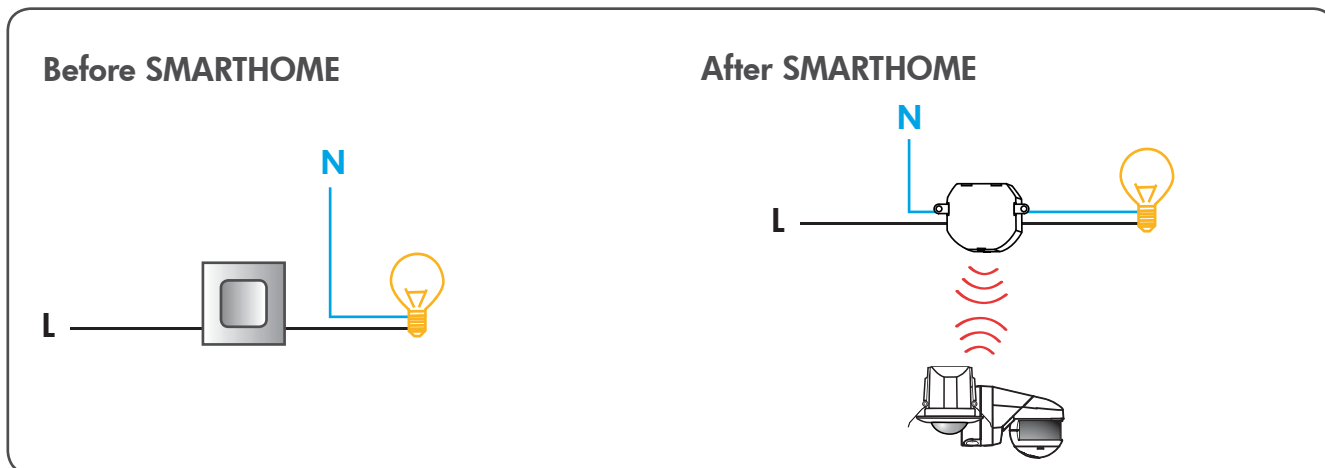




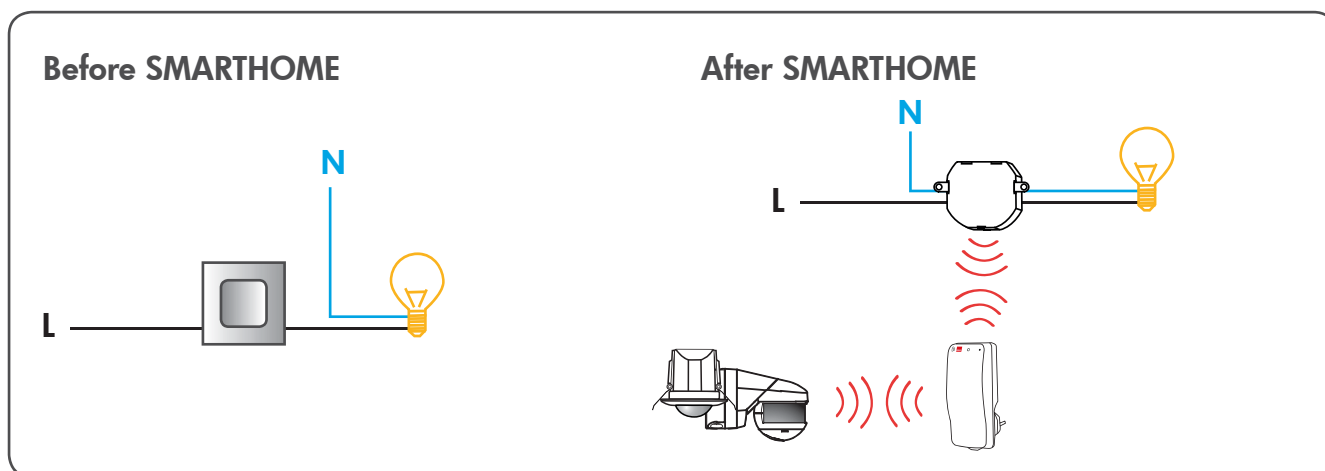
# Bidirectional wireless applications

## Switching

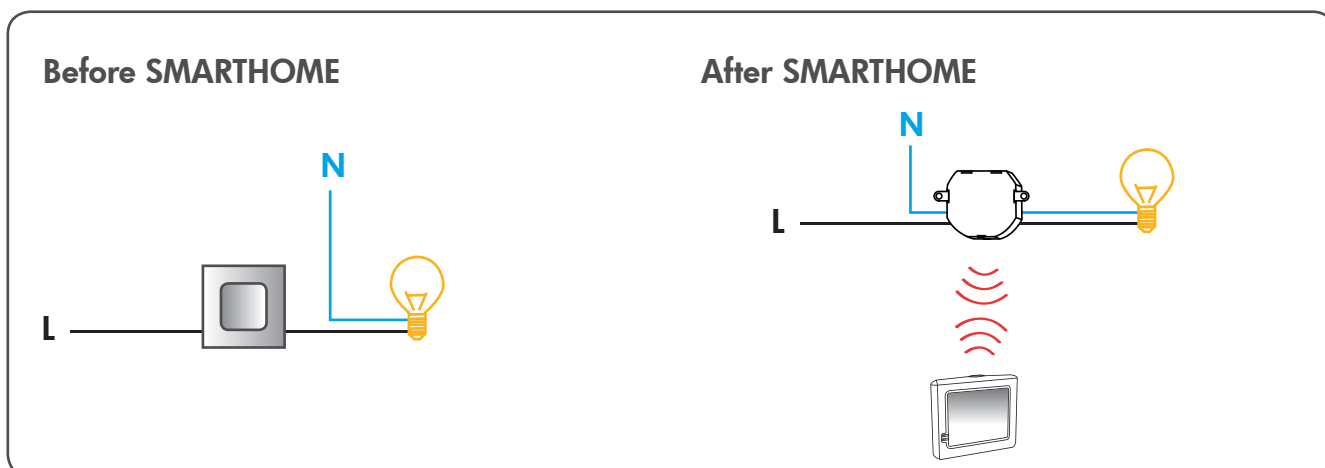
A wireless actuator and sensor in use



Boosting ranges with a wireless repeater



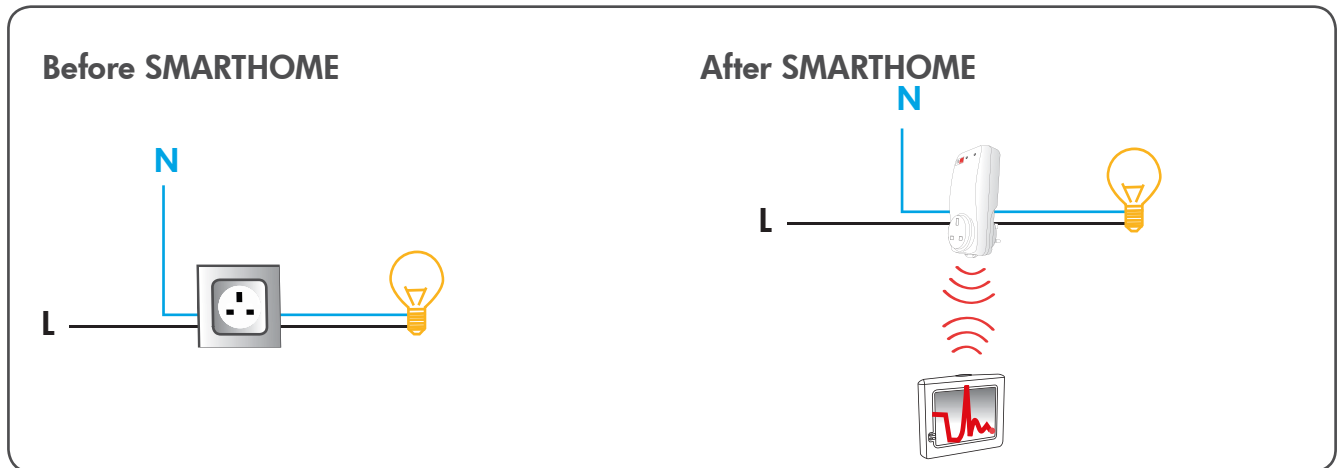
Wireless actuator used with the MyControl central switching unit



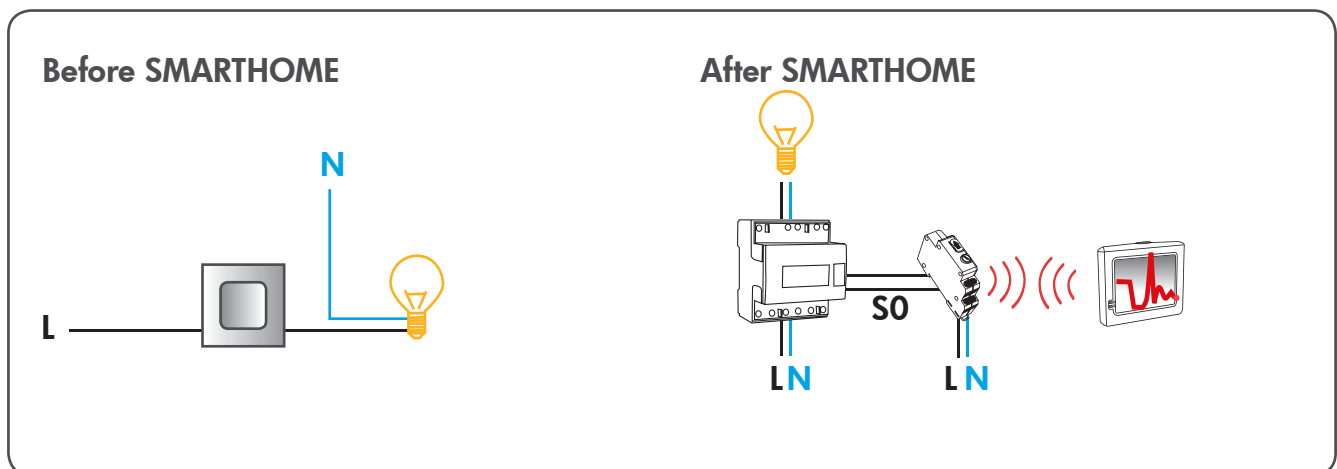
# Applications with two-way radio

## eMetering

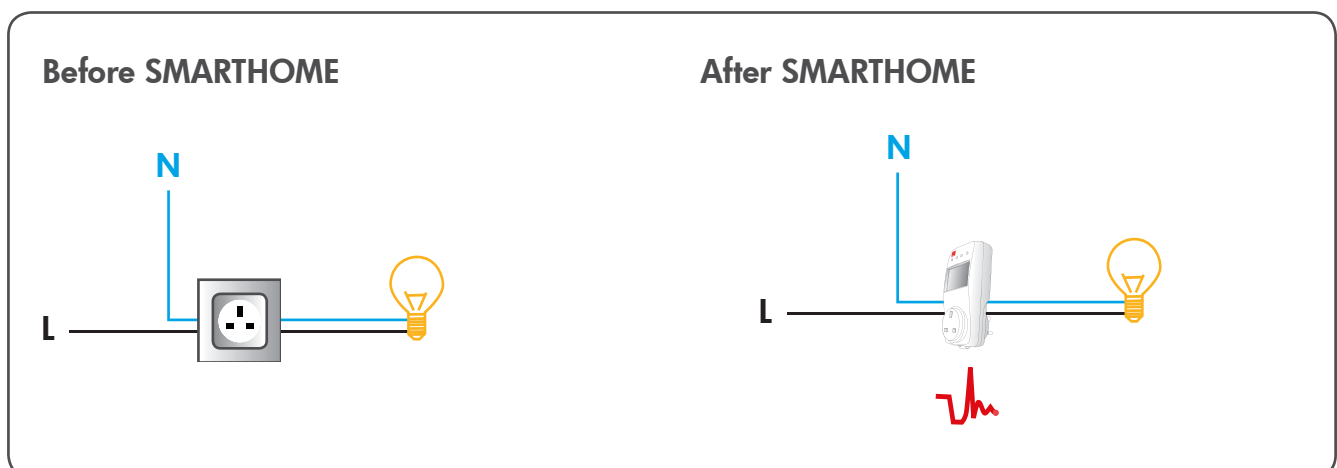
### Consumption metering using an eMetering actuator and the central switching unit



### Single-phase or three-phase consumption measurement via SO interface



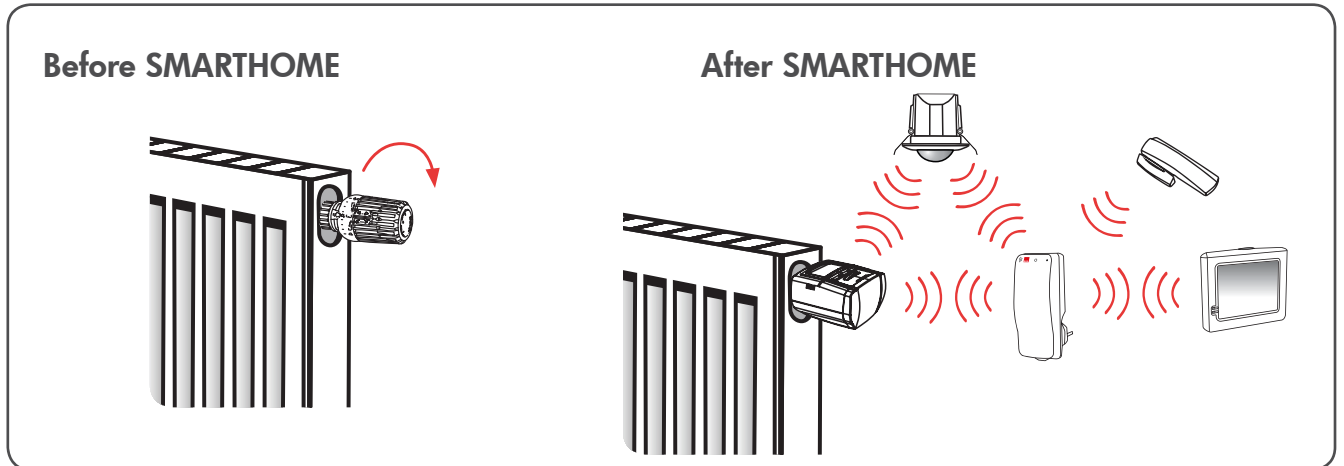
### Consumption measurement with eMonitor as a stand-alone solution



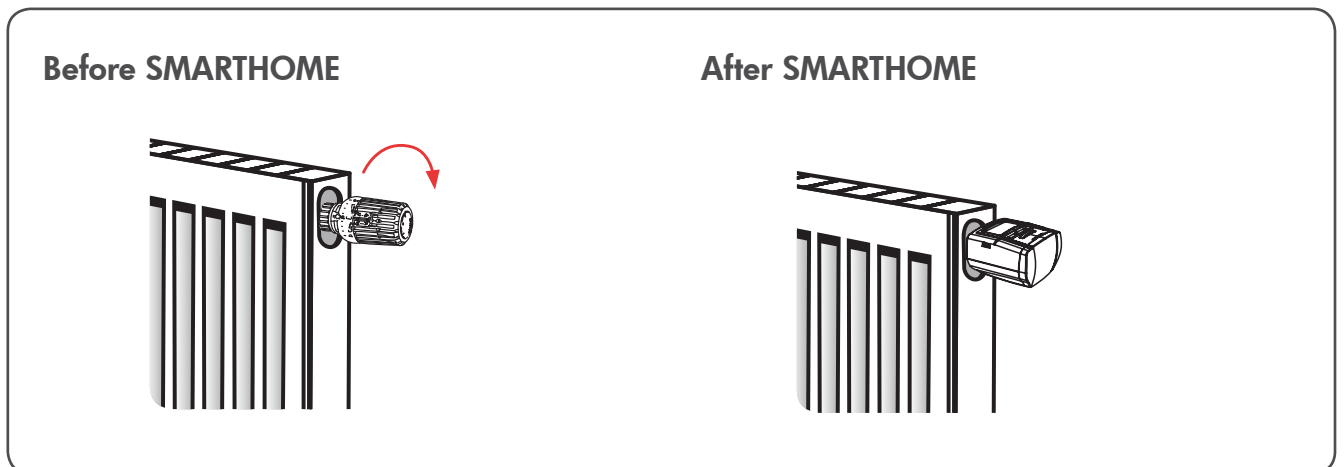
# Applications with two-way radio

## Heating

### Heating-control communication between all possible devices

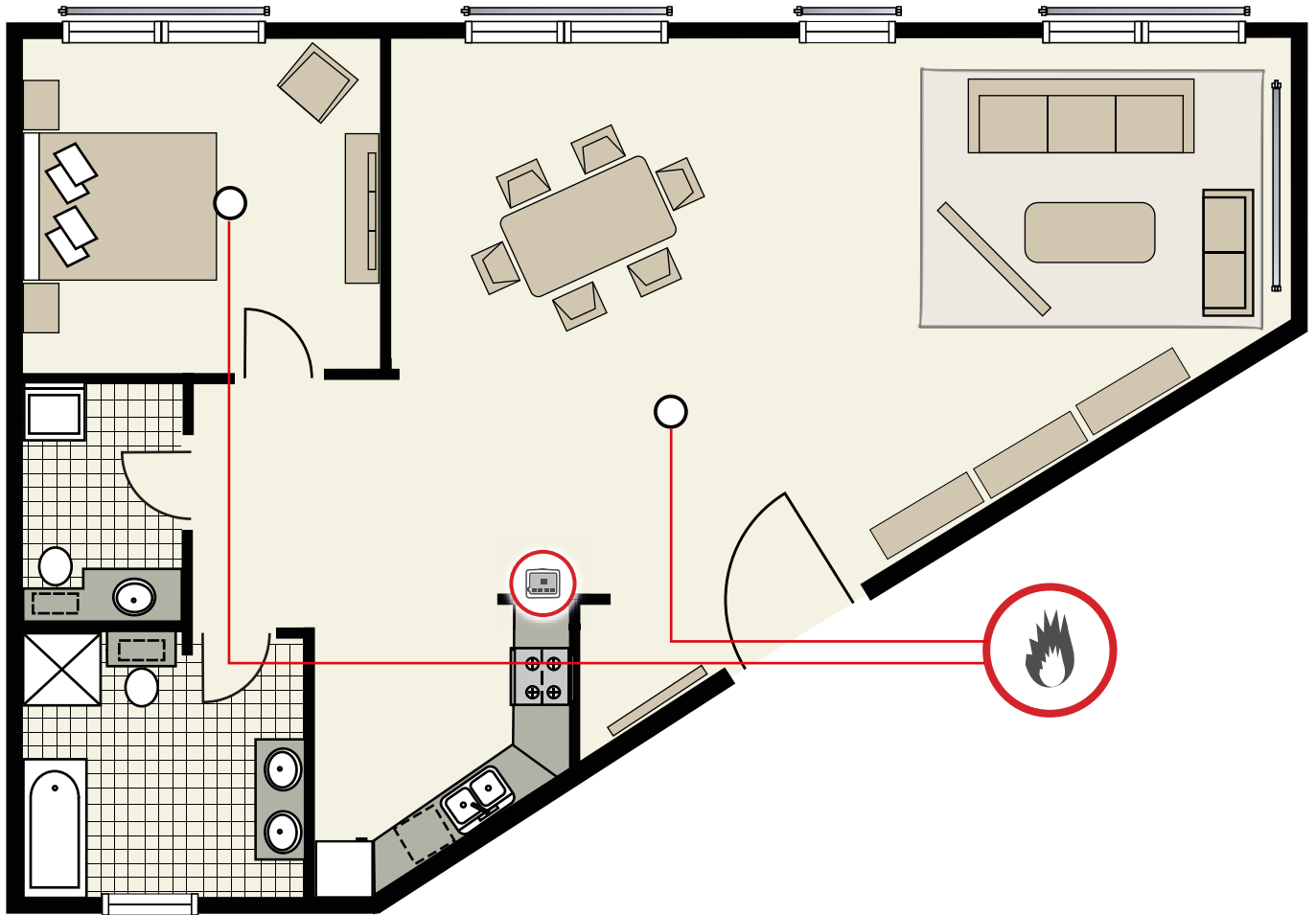


### Heating control with TRV2 as a stand-alone solution



# Planning example

## Smoke detector in an apartment



### Your product benefit



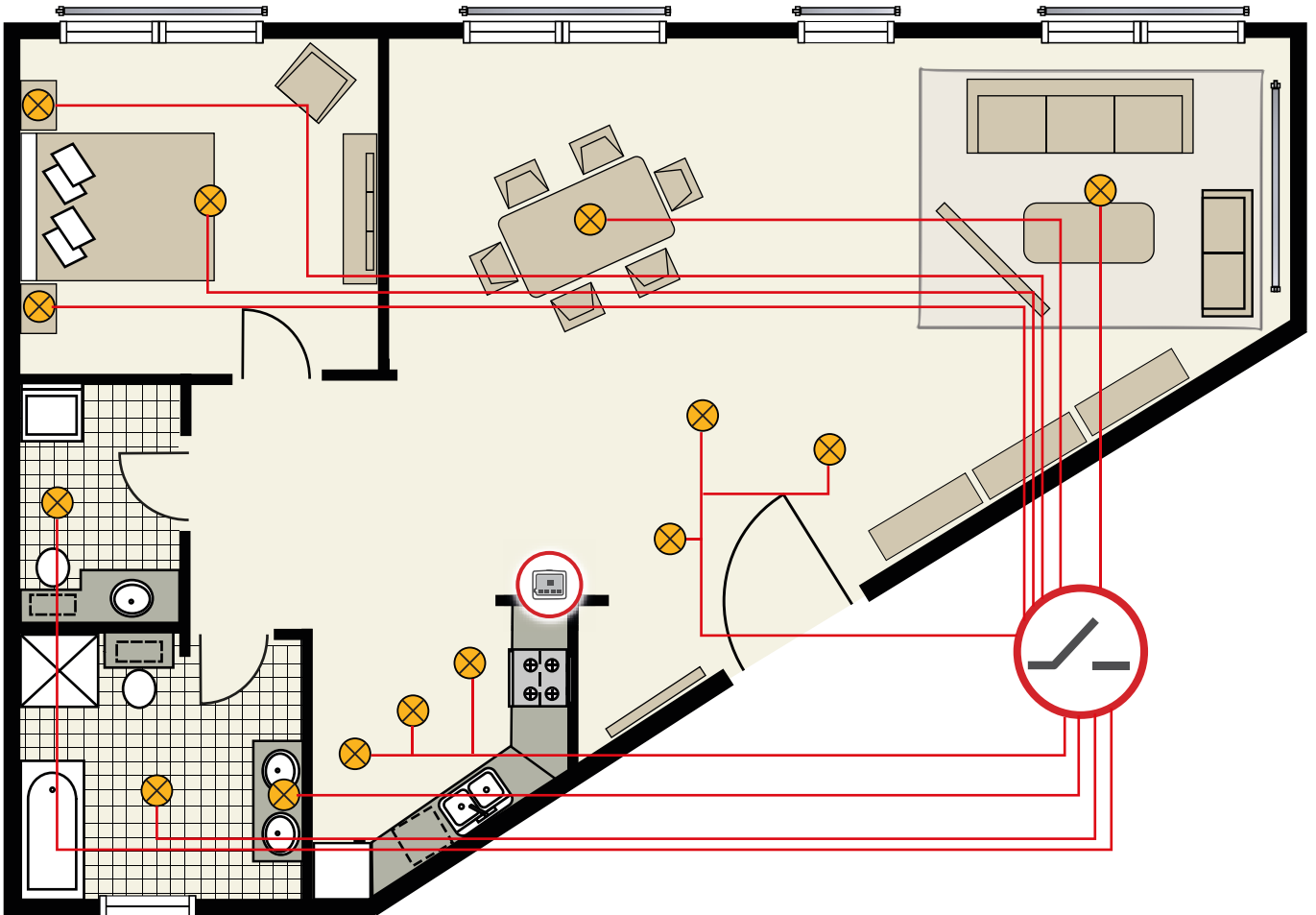
- Use of wireless smoke detectors  
**Safety in the event of fire:** for individual and network solutions





- Smoke detector monitoring with MyControl

# Planning Example

## Lighting in an apartment

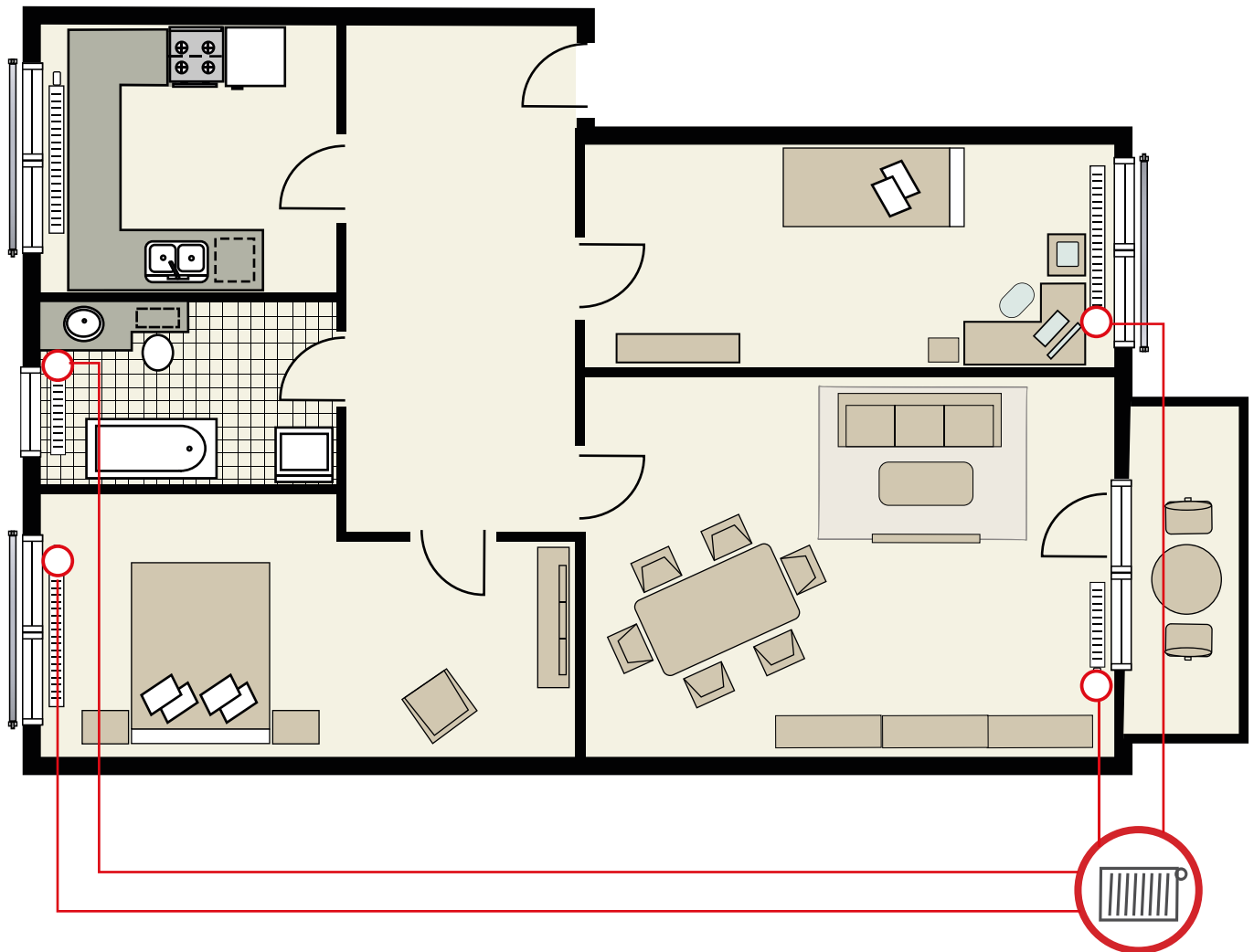


### Your product benefit

-  Plug-socket wireless actuators used for floor and table lamps. Flush- and surface-mounted wireless actuators used for suspended lamps and ceiling lamps.
-  Lighting control with MyControl

# Planning Example

## Heating in a three-room apartment

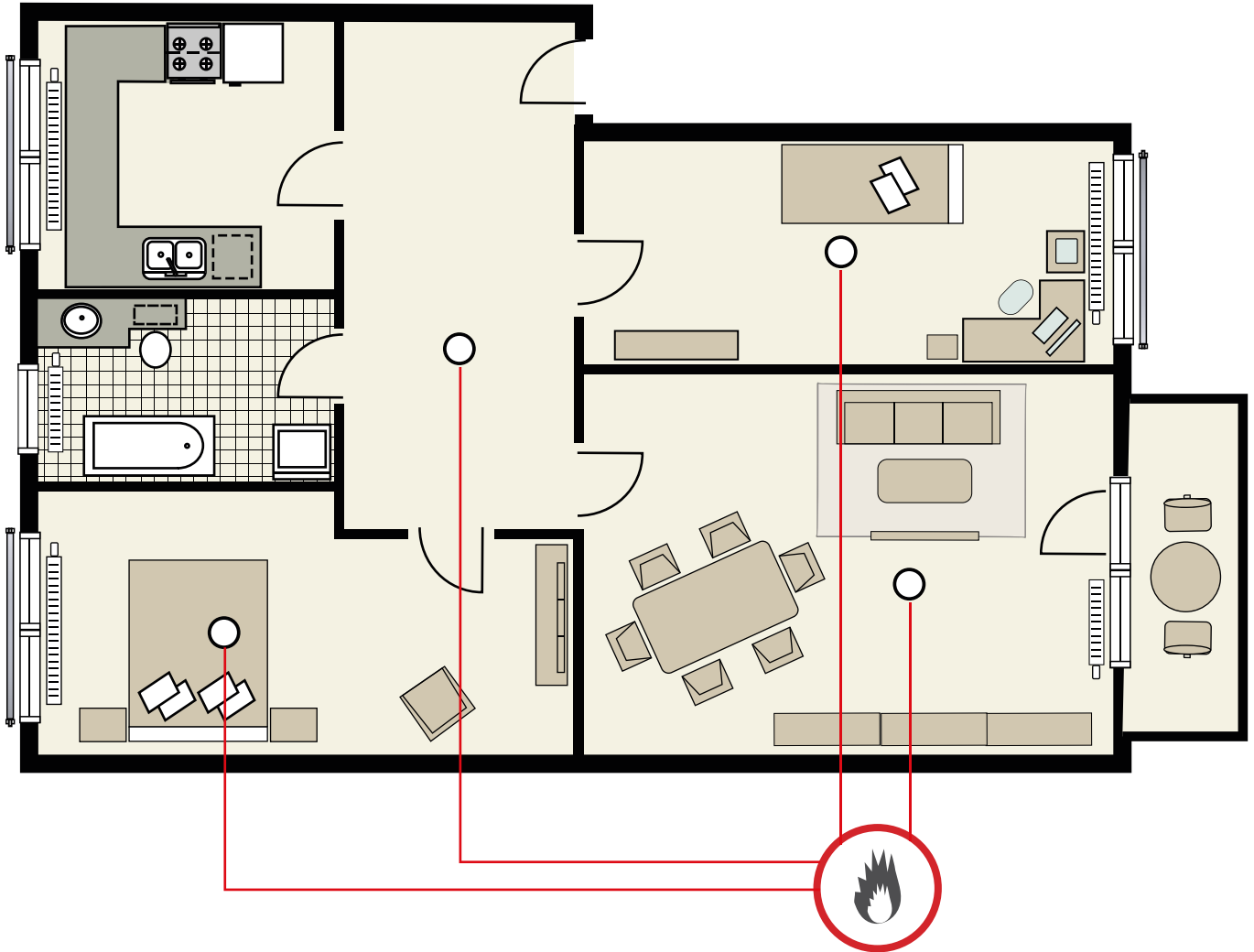


### Your product benefit

- Time- and temperature-controlled energy savings with the TRV2 Heating valve

# Planning Example

## Smoke detectors in a three-room apartment



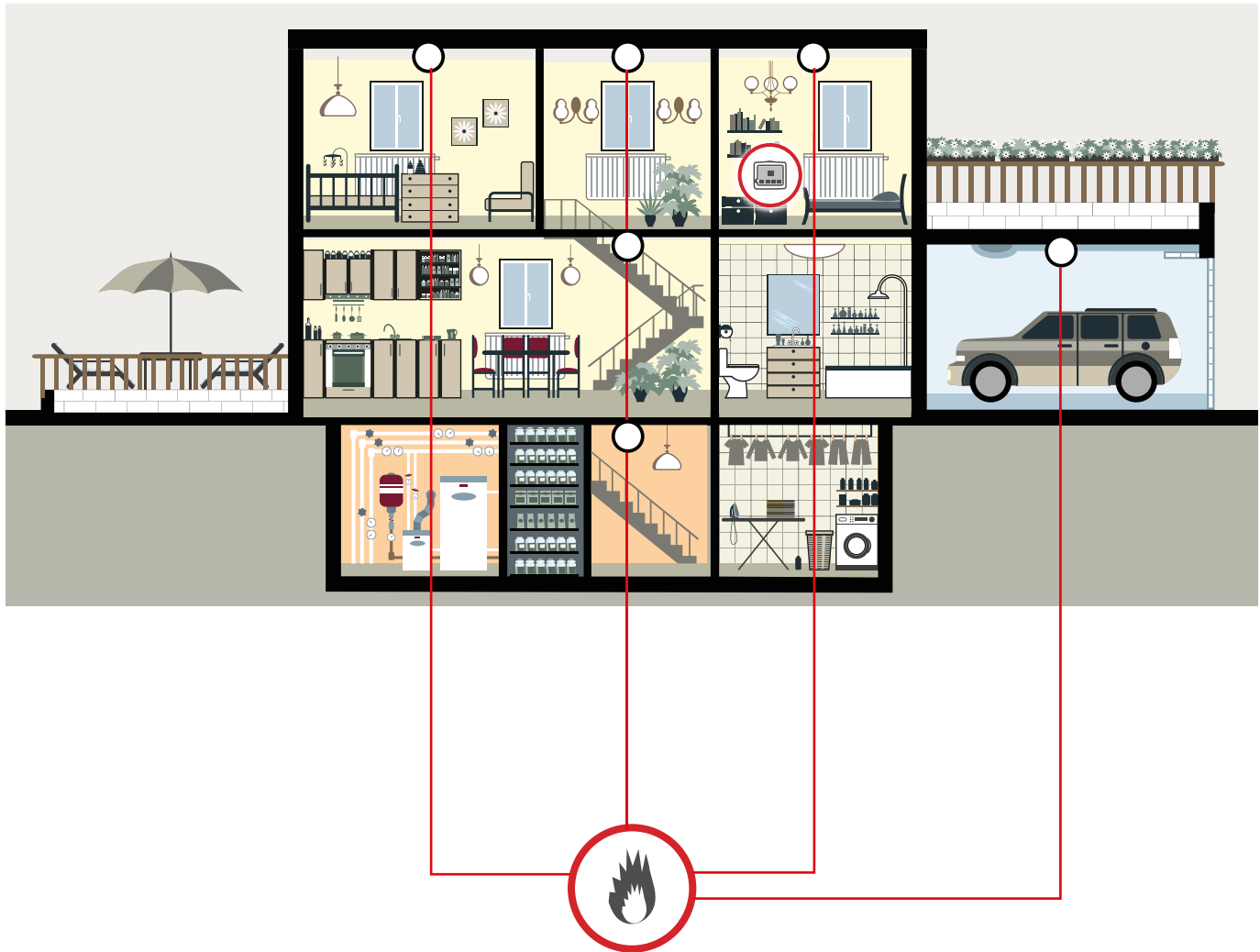
### Your product benefit





- Smoke detectors used for optimum protection and safety in the event of fire

# Planning Example

## Smoke detectors in a multi-storey installation



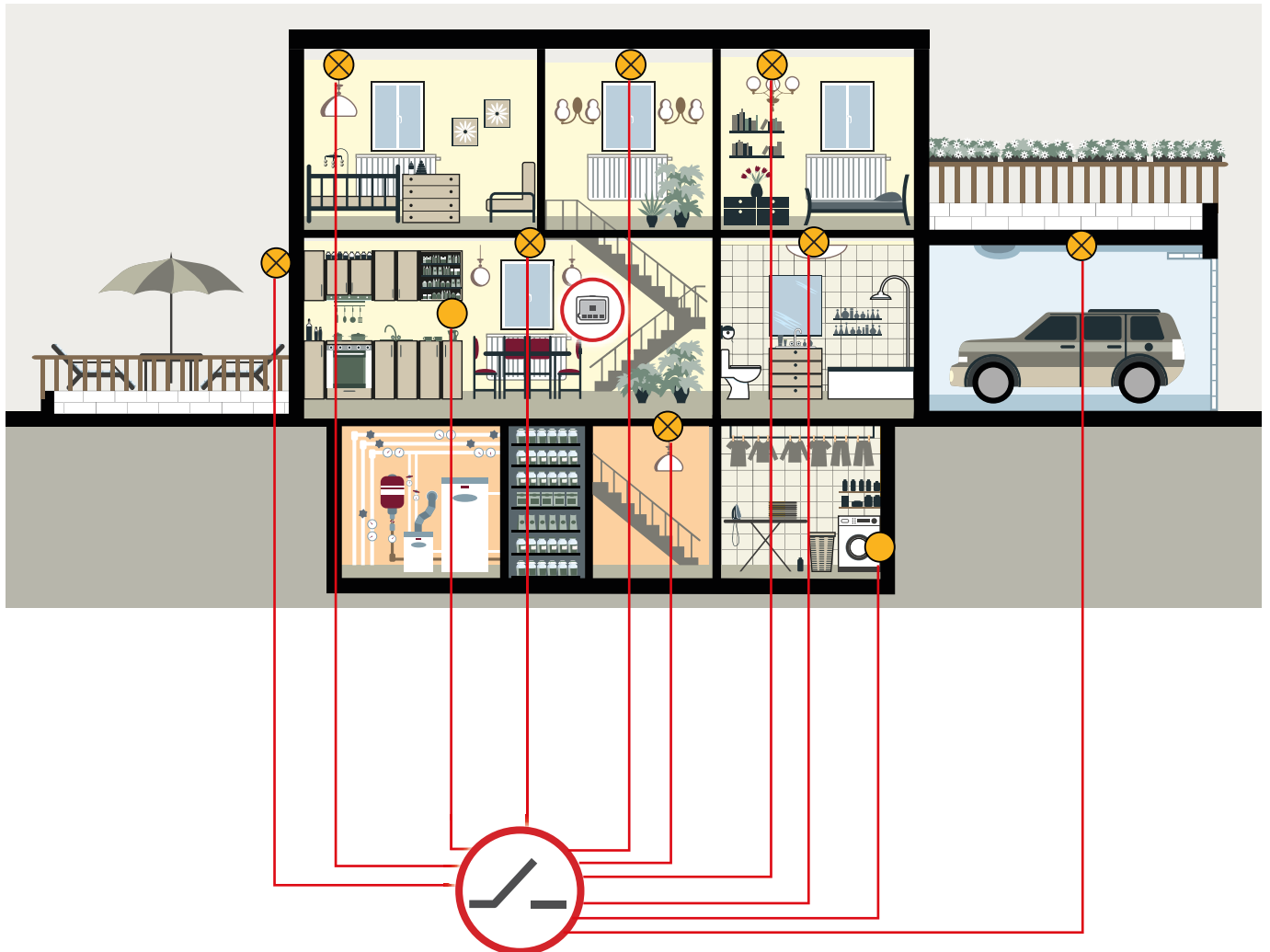
### Your product benefit

-  Use of wireless smoke detectors  
**Safety in the event of fire:** for individual and group solutions
-  Smoke detector monitoring with MyControl





# Planning Example

## Switching in a multi-storey installation



### Your product benefit

-  Flush- and surface-mounted wireless actuators used for suspended lamps and ceiling lamps.
- Surface-mounted powerline actuators used for outdoor lighting
- Wireless plug-socket actuators or eMetering actuators used for connected appliances
-  ▪ Lighting control with MyControl

# MyControl ~

## General settings with the central unit



# Discover what's possible

with wireless control by touching the screen

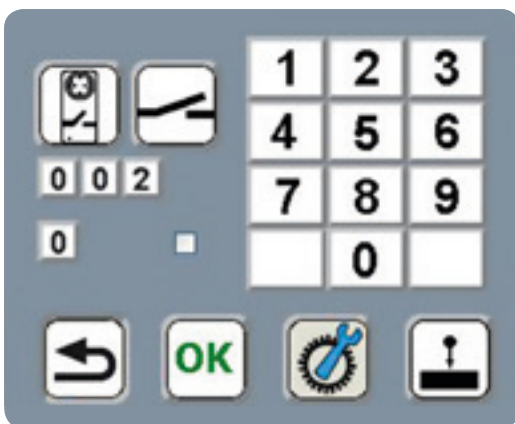
Front screen



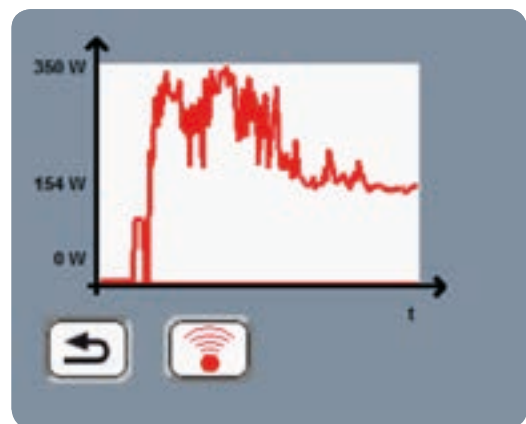
Smoke detector alarm



Configuration of the parameters



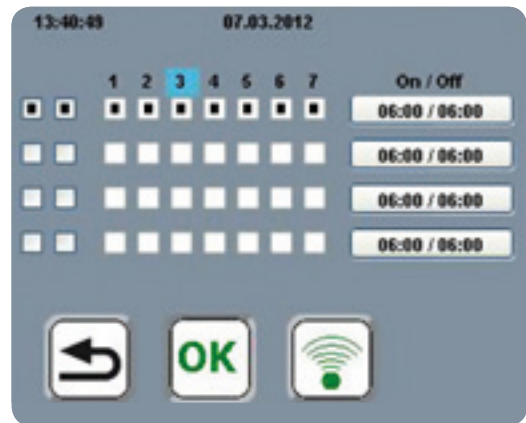
Appliance metering in kWh, kW, €/£



Heating control



Separate time switch settings for each actuator



# SMARTHOME ~ product overview

Product group	Type	Color	No.	Page	Socket type	868 MHz	Powerline	Ethernet	SMS to phone
Monitors	MyControl	white	90154	6	UK	■	-	-	-
		anthracite	90156	6	UK	■	-	-	-
		silver	90155	6	UK	■	-	-	-
Measure	eMonitor-ST	white	90164	7	UK	-	-	-	-
	eMetering-ST	white	90151	7	UK	■	-	-	-
	ME-REG-ZW	white	90147	8	-	□	-	-	-
	S0-Interface S0-REG-ZW	white	90168	8	-	■	-	-	-
Switch	Wireless-actuators	A-AP-ZW	white	92807	9	-	■	-	-
		A-UP-ZW	white	92805	9	-	■	-	-
		A-ST-ZW	white	92817	9	UK	■	-	-
	Shutter-actuators	RA-UP-ZW	white	92079	10	-	■	-	-
		TRA-AP-ZW	white	92078	10	-	■	-	-
	Powerline-actuators	A-UP-PL	white	90116	11	-	-	■	-
A-ST-PL		white	90158	11	UK	-	■	-	
Connecting devices	Gateway-PL-ZW	white	90114	12	UK	■	■	-	
	Webserver	white	90167	12	-	■	-	■	
	REP-ST-ZW	white	92808	13	UK	■	-	-	
	REP-UP-ZW	white	92820	13	-	■	-	-	
	SMS-Control SC1	white	96100	13	-	-	■	-	■
	SMS-REG-ZW	white	90169	13	-	■	■	-	
Occupancy and Motion detector	RC-plus next 230 ZW	white	92066	14	-	■	-	-	
	PD3N-SM-ZW	white	92072	14	-	■	-	-	
	PD3N-FC-ZW	white	92071	14	-	■	-	-	
	PD3N-FM-ZW	white	92067	14	-	■	-	-	
Sensors	Contact window FEN-AP-ZW	white	90145	15	-	■	-	-	
	Wireless-indicator RF indicator	black	90149	15	-	■	-	-	
	SD2-Battery	white	94204	16	-	-	-	-	
Heating thermostats	SD2-Lithium	white	94207	16	-	-	-	-	
	SD2-RF	white	94205	16	-	■	-	-	
	TRV2	white	92053	17	-	-	-	-	
	TRV2-ZW	white	92046	17	-	□	-	-	
Starter sets	1 Wireless-net-worked smoke detector system	-	92559	18	UK	■	-	-	
	2 Smoke detector promotion	-	94210	18	-	-	-	-	
	3 TRV2-Promotion	-	92059	18	-	-	-	-	
	4 Wireless heating control SM	-	92546	18	UK	■	-	-	
	4 Wireless heating control FC	-	92548	18	UK	■	-	-	
	5 Outside switching	-	92484	19	-	■	-	-	
	6 Inside switching and measuring	-	92561	19	UK	■	-	-	
7 Inside switching	-	92483	19	-	■	-	-		
Accessories	Remote control IR-SMARTHOME	grey	90162	14	-	-	-	-	
	Programmable stick TRV2-Stick	-	92054	17	-	-	-	-	
	Radio antenna ANT-REG-ZW	black	90148	8	-	-	-	-	
	CT transformer STW-ZW	black	90174	8	-	-	-	-	

□ The ME-REG-ZW requires the radio antenna ANT-REG-ZW and the STW-ZW. The TRV2-ZW requires the REP-ST-ZW.



# SMARTHOME ~ product listing

No.	Description	Type	Prod.-Gr.	Page	No.	Description	Type	Prod.-Gr.	Page
90116	Flush-mounted Powerline actuator	A-UP-PL	25	11	92079	Wireless shutter-flush actuator	RA-UP-ZW	25	10
90145	Window contact	FEN-AP-ZW	25	15	92483	Starter set 7 with indoor wireless switching	Starter set 7	37	19
90147	Single-phase energy meter in conjunction with power transformer	ME-REG-ZW	25	8	92484	Starter set 5 with outdoor wireless switching	Starter set 5	37	19
90148	Radio antenna	ANT-REG-ZW	25	8	92546	Starter set 4 wireless heating control with PD3N-SM-ZW	Starter set 4 SM	37	18
90149	Wireless indicator	RF-Indicator-ZW	25	15	92548	Starter set 4 wireless heating control with PD3N-FC-ZW	Starter set 4 FC	37	18
90151	Intelligent plug socket	ME-ST-ZW	25	7	92559	Starter set 1 wireless-smoke detector system	Starter set 1	37	18
90153	Gateway powerline-wireless	Gateway-PL-ZW	25	12	92561	Starter set 6 with indoor wireless switching and consumption metering	Starter set 6	37	19
90154	Touch-screen monitor, as a control station	MyControl - white	25	6	92805	Flush-mounted wireless actuator	A-UP-ZW	25	9
90155	Touch-screen monitor, as a control station	MyControl - silver	25	6	92807	Surface-mounted wireless actuator	A-AP-ZW	25	9
90156	Touch-screen monitor, as a control station	MyControl - anthracite	25	6	92817	Wireless plug-socket actuator	A-ST-ZW	25	9
90158	Powerline plug-socket actuator	A-ST-PL	25	11	92819	Plug-socket wireless repeater	REP-ST-ZW	25	13
90162	Remote control for wireless motion detectors	IR-SMARTHOME	9	14	92820	Flush-mounted wireless repeater	REP-UP-ZW	25	13
90164	Energy monitor (stand-alone)	E-MON-ST	25	7	94204	Stand-alone smoke detector with battery	SD2 – Battery	15	16
90167	Webserver	Webserver	25	12	94205	Wireless-connectable smoke detector with lithium battery	SD2-RF – Lithium	25	16
90168	Interface for electricity, gas or water meters with S0 interface	S0-REG-ZW	25	8	94207	Stand-alone smoke detector with lithium battery	SD2 – Lithium	15	16
90169	Controller for connecting wireless smoke detectors to the SMS control SC1	SMS-REG-ZW	25	13	94208	Stand-alone smoke detector with battery	SD1-N – Battery	15	16
90174	CT transformer	STW-ZW	25	8	94209	Stand-alone smoke detector with lithium battery	SD1-N – Lithium	15	16
92046	Wireless Heating valve	TRV2-ZW	25	17	94210	Starter set 2 smoke detector promotion	Starter set 2	37	18
92053	Stand-alone heating valve	TRV2	25	17	96100	SC1 SMS control for switching via the mobile-phone network	SMS-Control SC1	12	13
92054	Programming stick	TRV2-Stick	25	17					
92059	Starter set 3 TRV2 promotion	Starter set 3	37	18					
92066	Wireless outdoor motion detector	RC-plus next 230 ZW -white	17	14					
92067	Wireless occupancy detector, flush-mounted	PD3N-FM-ZW	17	14					
92071	Wireless occupancy detector, false-ceiling mounted	PD3N-FC-ZW	17	14					
92072	Wireless occupancy detector, surface-mounted	PD3N-SM-ZW	17	14					
92078	Switch for shutters	TAR-AP-ZW	25	10					





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ISO 14001



Environmental management

ISO 9001



Quality Management



# SMARTHOME ~ for a safe, economic and comfortable home

