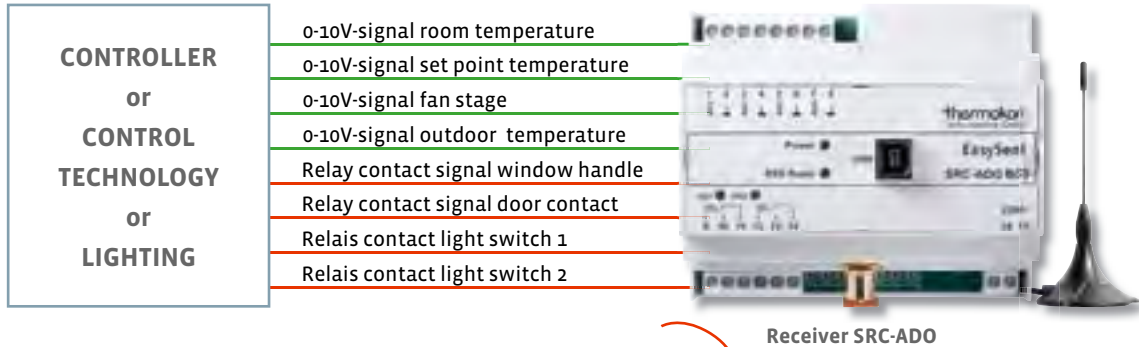## 0-10V-Gateway / Relay Contacts

The receiver SRC-ADO is designed for seamless connection of wireless EasySens sensors to single room controllers via a standard interface 0-10V or a floating relay contact. The wireless receiver has 4 analogue and up to 4 relay outputs.

By means of the configuration software included different functions can be parameterized.

Among others an averaging of up to 15 temperature sensors is feasible.

A multi stage fan stage control can be realized via a 0-10V output so that the single digital DDC-inputs are unnecessary.

CONTROLLER or CONTROL TECHNOLOGY or LIGHTING	
0-10V-signal room temperature	
0-10V-signal set point temperature	
0-10V-signal fan stage	
0-10V-signal outdoor temperature	
Relay contact signal window handle	
Relay contact signal door contact	
Relais contact light switch 1	
Relais contact light switch 2	

Receiver SRC-ADO

1 Wireless Switch Busch-Jaeger

Wireless switch with energy generator for light and blind control. Fitting into various switch frames of the manufacturer Busch-Jaeger.

2 SR04

The room operating panel is designed for temperature detection, set point and fan stage adjustment as well as presence message in room and office spaces etc.

3 SRW01 4 SRG01

Window contact and window handle for status monitoring of windows.

5 SR65

Sensor for temperature detection in outdoor areas.

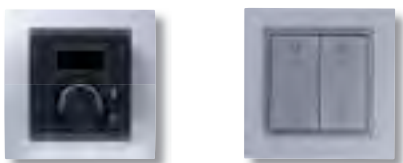enocean alliance
No Wires. No Batteries. No Limits.

Building Control Technology for Bus Systems

SRC-receivers enable the evaluation of seamlessly connected wireless sensors and the transmission of information via the communication interface (LON, EIB/KNX, RS485 Modbus, RS485 EVC, Ethernet or BACnet or Micronet.

LonMark®

KNX®

BACnet®

Modbus

micronet AUTOMATION

RS485 EVC ETHERNET

Uv

Receiver SRC-xxx

3

5

2

1

4

1 SR06-SR07/wireless switch 55x55

The room sensor is designed for temperature detection (SR06) or local set point adjustment (SR07). SR07 is also available with a slide switch. Wireless switch 55x55 is an universal wireless switch insert with energy generator for light and blind control.

2 SR04

The room operating panel is designed for temperature detection, set point and fan stage adjustment as well as presence message in room and office spaces etc.

3 SR-MDS

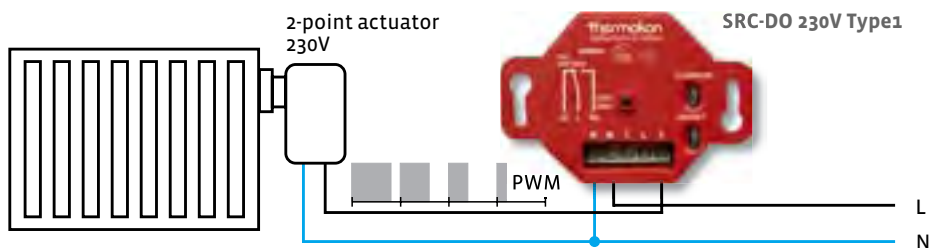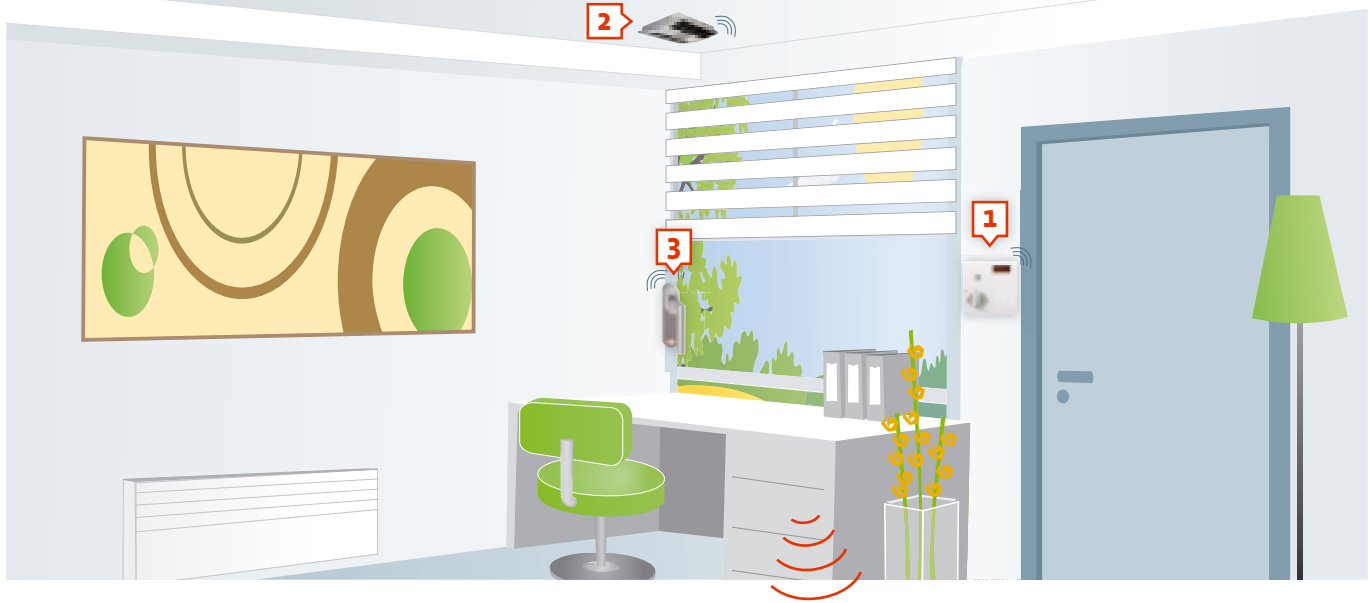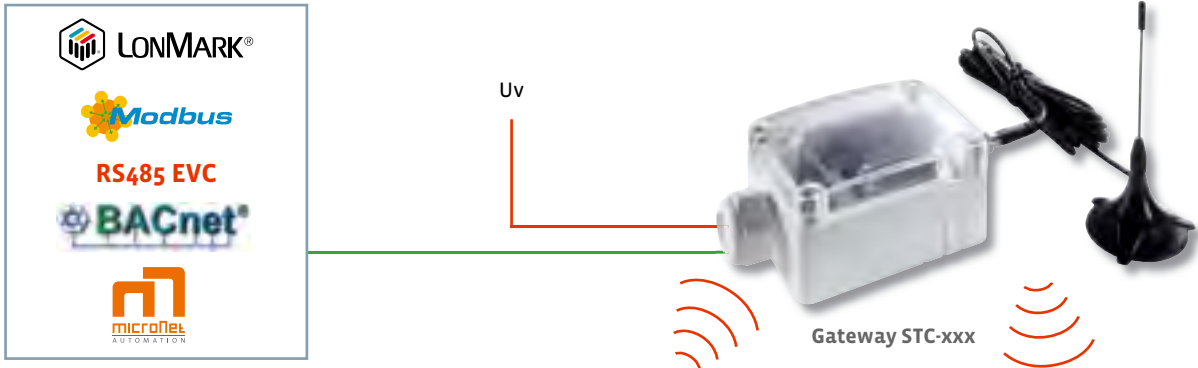The ceiling multi sensor is designed for motion and light detection in room and office spaces.

4 SRG01   **5** SRW01

Window handle and window contact for status monitoring of windows.

enocean® alliance
No Wires. No Batteries. No Limits.

Wireless Receivers with Transmitting/Receiving Function for Bus Interfaces

TC-receivers enable the receipt and transmission of EnOcean based radio telegrams. For evaluation of seamlessly connected wireless sensors and transmission of information via the communication interface (LON, RS485 Modbus, RS485 EVC, BACnet and Micronet).

Moreover, the receivers are designed for superior transmission to wireless actuators with relay or 0-10V outputs (e.g. for time controlled night lowering or switching of blinds or light).

LonMark®
Modbus
RS485 EVC
BACnet®
micronet AUTOMATION

Uv

Gateway STC-xxx

2-point actuator 230V

SRC-DO 230V Type1

PWM

L

N

1 SR04

The room operating panel is designed for temperature detection, set point and fan stage adjustment as well as presence message in room and office spaces etc.

2 SR-MDS

The ceiling multi sensor is designed for motion and light detection in room and office spaces.

3 SRG01

Window handle for status monitoring of windows.

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No Wires. No Batteries. No Limits.
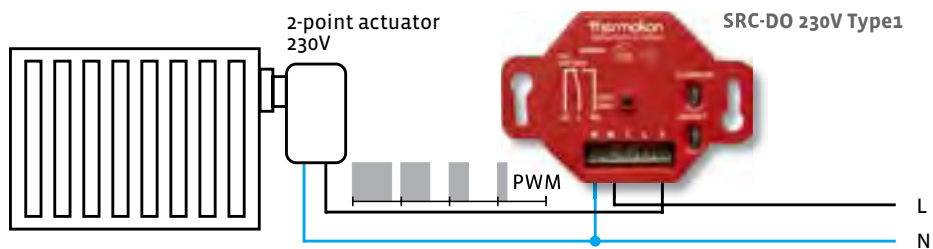
Thermostat Controller

The switch SRC-DO Type 1 is designed for temperature control in room spaces (thermostat function). The floating relay output can be used for direct control of thermic 2-point valves.

Additional Function Energy Stop:
It is possible to make use of the function "energy stop" by connecting wireless window handels type SRG01 or wireless window contacts type SRW01. Thus, the receiver switches-off the relay contact for the valves in case the window is opened.

Application in Hotels:
If the hotel guest leaves the room, the same is switched wirelessly via the key card activated switch SR-KCS or the wireless socket board.

2-point actuator 230V

SRC-DO 230V Type1

PWM

L

N

1 SR04

The room operating panel is designed for temperature detection, set point and fan stage adjustment as well as presence message in room and office spaces etc.

2 SR-KCS

The wireless key card activated switch is designed for an occupancy based control of lighting or air-conditioning (e.g. in hotel or conference rooms).

3 SRG01

Window handle for status monitoring of windows.

4 SRC-MPO2-5

The multiple socket outlet (2-5) is designed for switching consumers. It is possible to seamlessly connect up to 30 wireless EasySens transmitters. The multiple socket has two independent switching circuits.
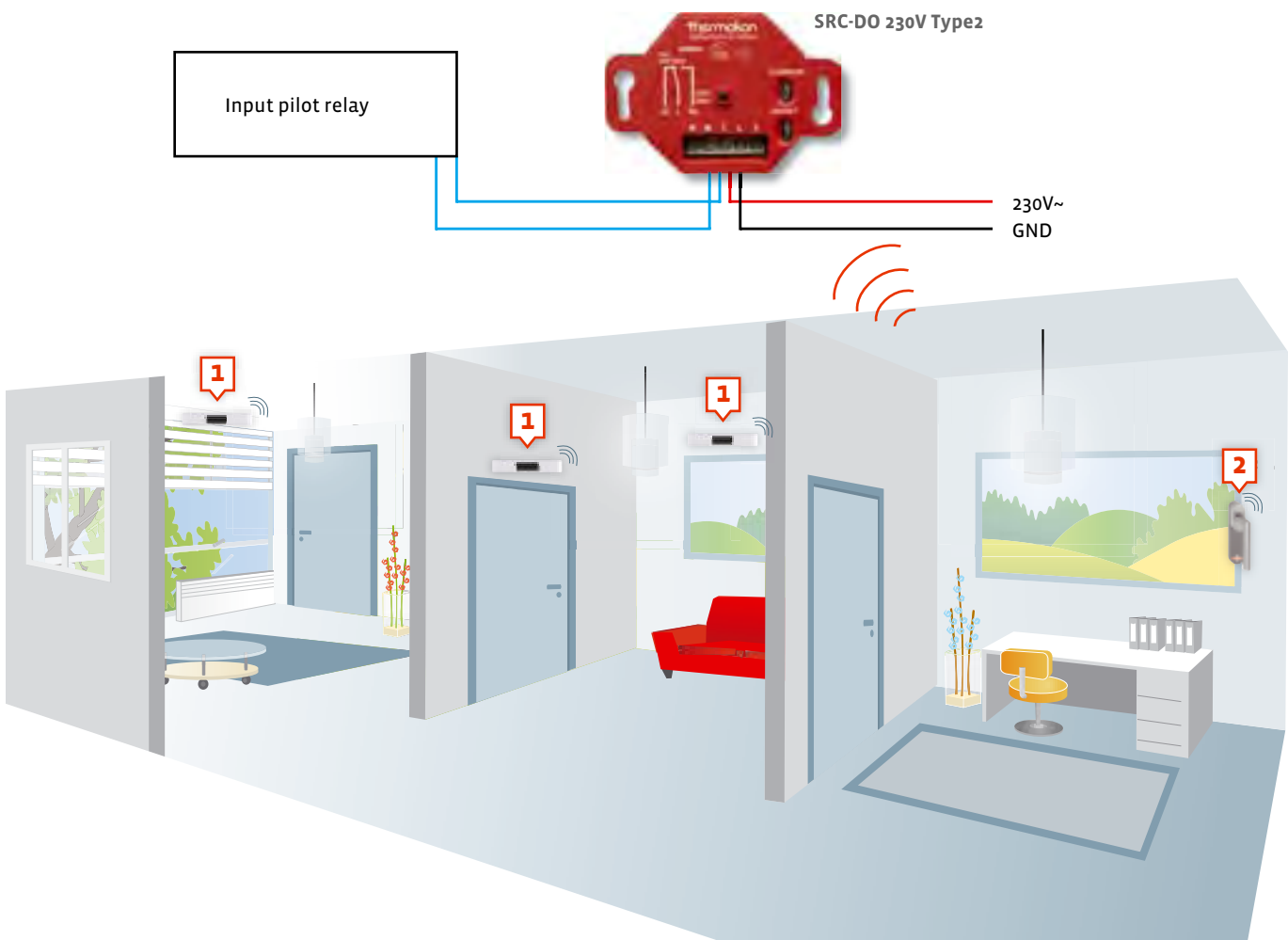
Signal Contact

The switch receiver SRC-DO Type2 is designed for evaluation of wireless window contacts SRW01 and wireless window handles SRG01. Optionally up to 10 wireless window contacts or window handles can be seamlessly connected to one receiver.

Therefore, the relay output of the receiver is designed as a signal output of the sensors. Thus, it can be used as a fault message contact for locking on controllers or monitoring systems.

The relay contact of the receiver is switched as soon as the message "window opened" is sent. All window contacts or window handles connected are logical OR circuit linked, i.e. as soon as any contact reports "window opened", the relay is switched. In reverse order the relay is only reset if all contacts report "window closed".

SRC-DO 230V Type2

Input pilot relay

230V~
GND

1 SRW01

Window contact for status monitoring of windows and doors.

2 SRG01

Window handle for status monitoring of windows.

enocean alliance
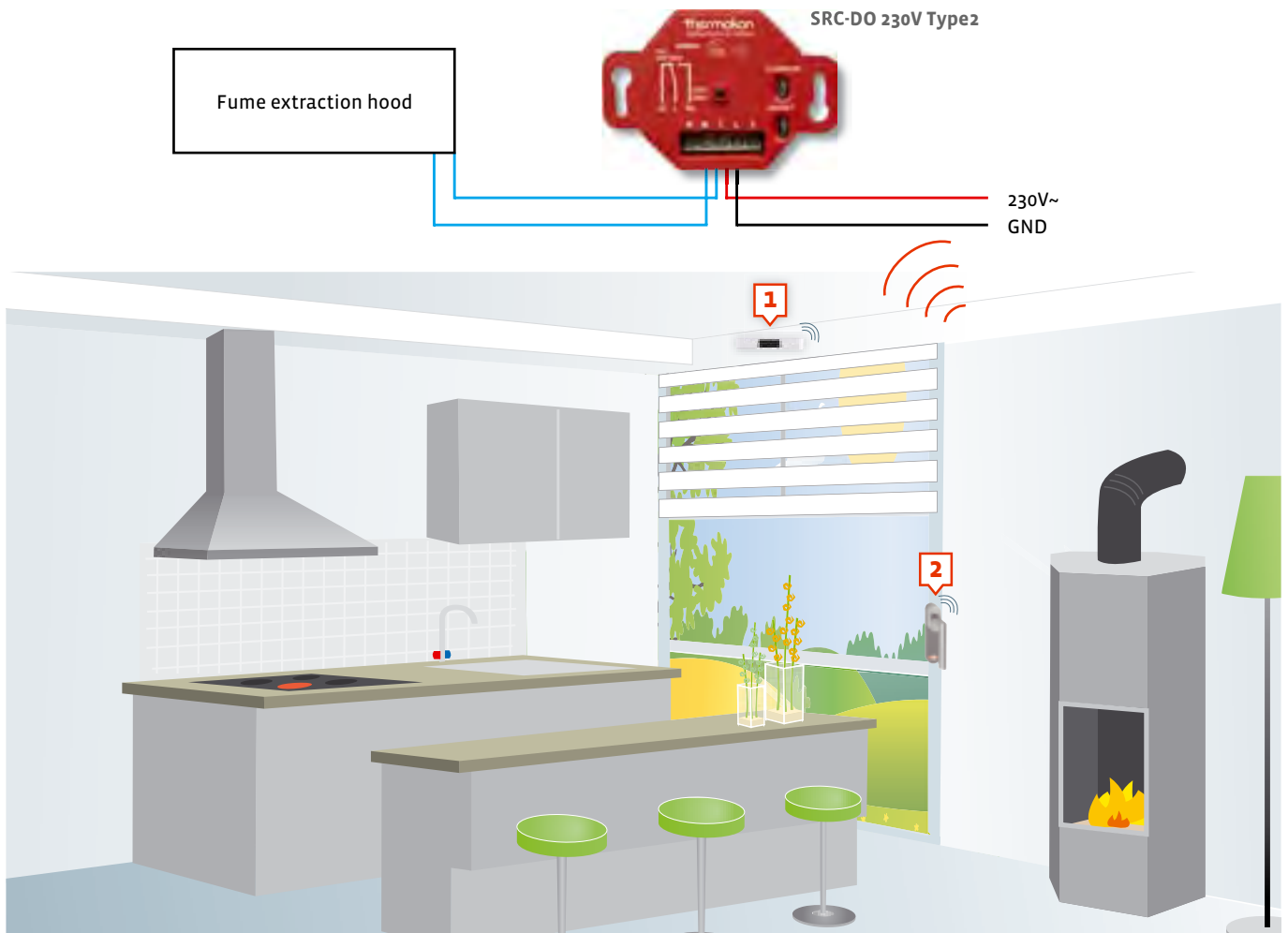No Wires. No Batteries. No Limits.

Fire Places and Exhaust Fans

When using gas cookers, gas fires, wood-burning stoves or tiled stoves in kitchens, the firing directive (FeuV, § 4 building up of fire places) must be observed:

Upon concurrent operation of a fire place depending on ambient air (e.g. gas cookers, wood-burning stoves or other fire places operated by solid fuels) and exhaust fans (e.g. fume extraction hood) it must be guaranteed, that no carbon monoxide is extracted from the fire place.

As soon as an exhaust air system is turned-on, a dangerous vacuum in a closed room is caused. A pressure compensation is only allowed by fresh air streaming in from outside and must not be effected via the fire place.

By means of the wireless window contact SRW01 or the wireless window handle SRG01 in combination with the wireless switch receiver SRC-DO Type2 the use of a fume extraction hood and a fire place is enabled.

Fume extraction hood

SRC-DO 230V Type2

230V~
GND

1 SRW01

Window contact for status monitoring of windows and doors.

2 SRG01

Window handle for status monitoring of windows.

enocean alliance
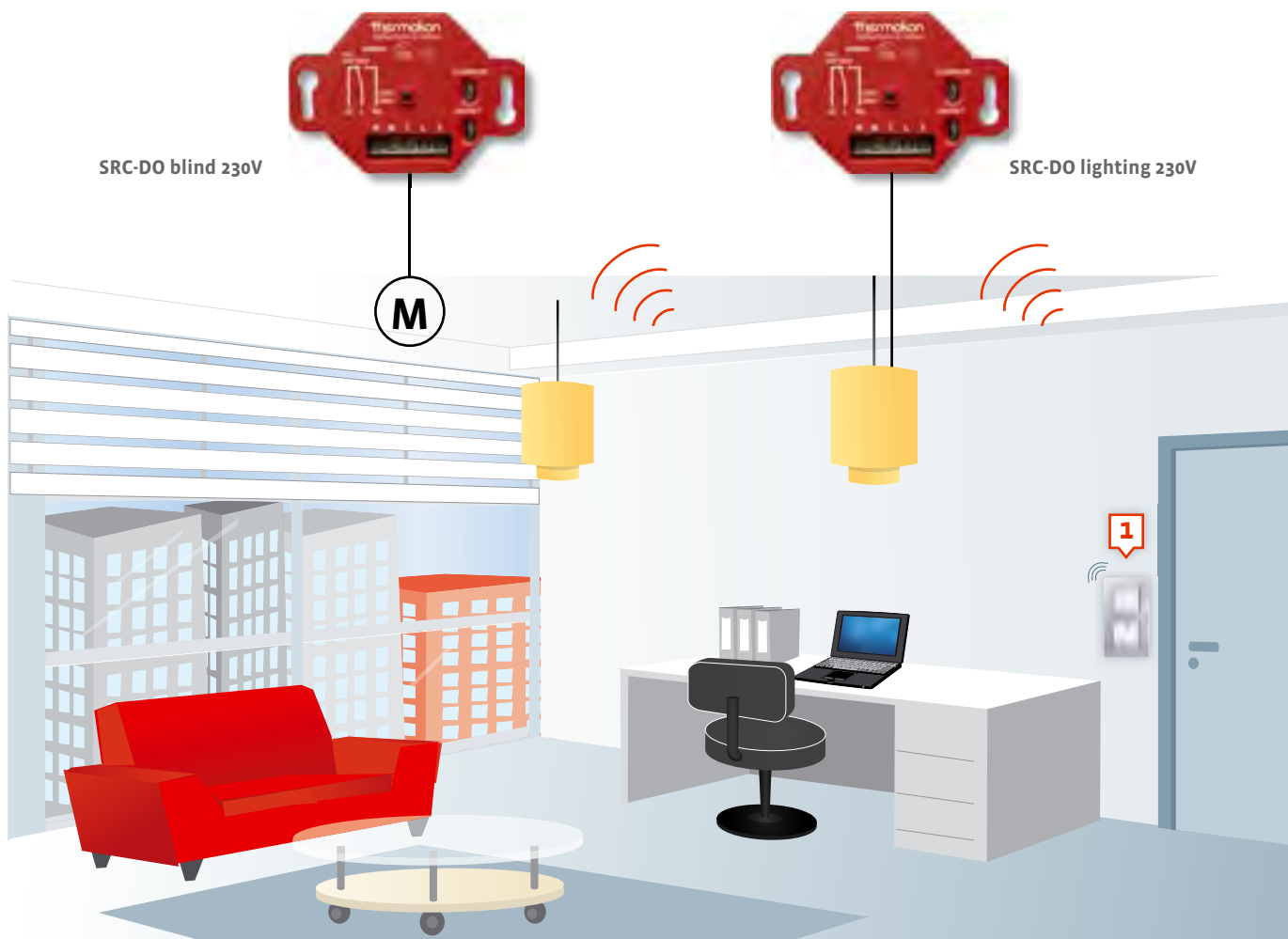No Wires. No Batteries. No Limits.

Controlling and Switching of Lighting /Blinds

SRC-DO Lighting 230V:
Seamless connection of up to 32 wireless switches. The switch receiver can also be used for light control in hallways with 8 preset time delays.

SRC-DO Blind 230V:
Seamless connection of up to 32 wireless switches. Adjustment of lamellas feasible. When controlling several blinds/shutters the current positions can be saved as scenes and called-off again.

SRC-DO blind 230V

SRC-DO lighting 230V

1 Wireless Switch Busch-Jaeger

Wireless switch insert with energy generator for light and blind control. Fitting into various Busch-Jaeger switch programmes

1 Wireless Switch Mini

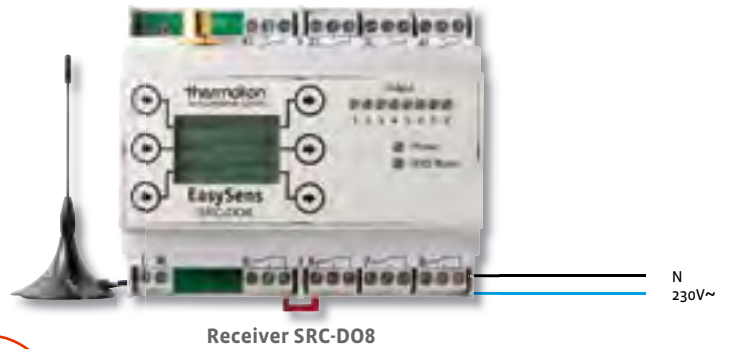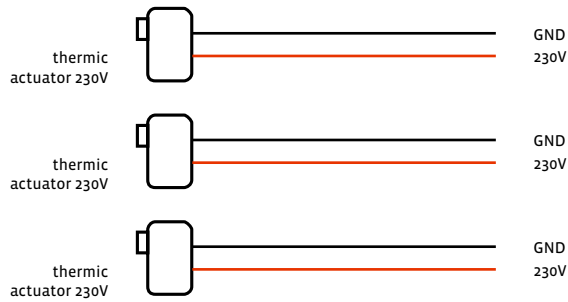Wireless switch with energy generator for light and blind control.

enocean alliance
No Wires. No Batteries. No Limits.

Heating Circuit Distributor for Floor Heating

The receiver SRC-DO8 is designed for evaluation of wireless room sensors with control of up to 8 thermic actuators via 230V make and break contacts. For efficient energy saving a time switch is integrated.

Furthermore, it is possible to make use of the function "energy stop" by seamlessly connecting a wireless window contact SRW01 and wireless window handle SRG01, i.e. if the window is opened, the receiver switches-off the relay contact for the valves.

thermic actuator 230V — GND 230V

thermic actuator 230V — GND 230V

thermic actuator 230V — GND 230V

N 230V~

Receiver SRC-DO8

1 SR04

The room operating panel is designed for temperature detection, set point and fan stage adjustment as well as presence message in room and office spaces etc.

2 SR07P

The room operating panel is designed for temperature detection or local set point adjustment. Fitting into various switch frames with 55x55mm insert (Gira, Jung, Berker, Merten, Peha...)

3 SRC-DO8

The receiver SRC-DO8 (with integrated time switch) is designed for evaluation of wireless room sensors including a control of up to 8 thermic actuators via 230V make and break contacts.

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