

Operating Instructions EnOcean radio wall transmitter



1. Safety instructions



Electrical devices may only be installed and fitted by electrically skilled persons.

Non-compliance with the instructions could cause damage to the device, fire or other hazards.

The radio transmission takes place over a nonexclusively available transmission path, and is therefore not suitable for applications in the field of safety technology, such as emergency stop and emergency call.

These instructions are a component part of the product and must remain with the end customer.

2. Structure of the device

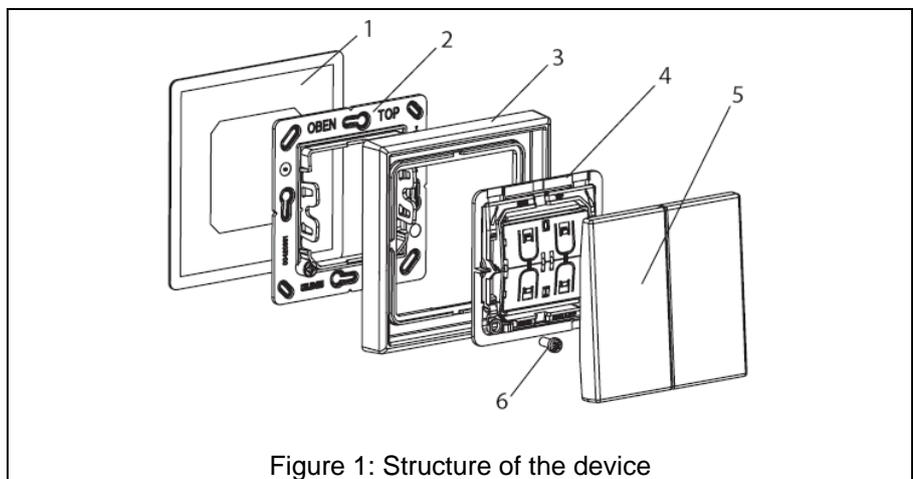


Figure 1: Structure of the device

- (1) Adhesive foil
- (2) Holder plate
- (3) Frame

- (4) EnOcean module
- (5) Rocker
- (6) Locking screw

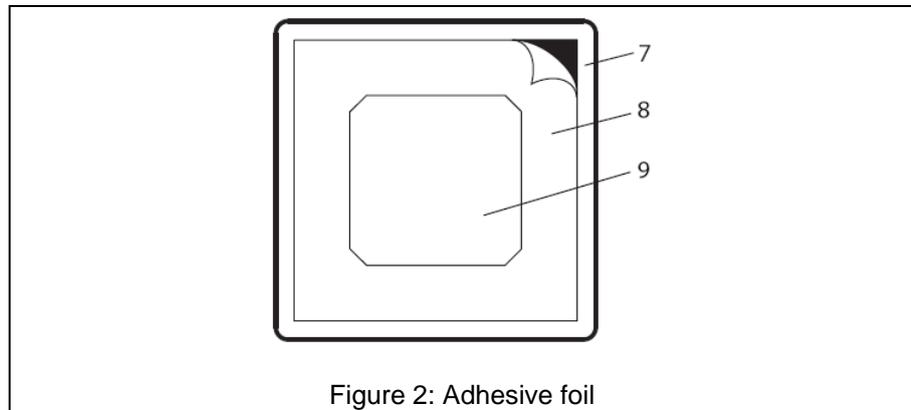


Figure 2: Adhesive foil

- (7) Protective foil for frame
- (8) Protective foil for holder plate
- (9) Protective foil for EnOcean module

3. Function

3.1. System information

For statutory reasons, the transmission power, the reception characteristics and the antenna may not be changed.

The device may be operated in all EU and EFTA states. The declaration of conformity is provided on our website.

The range of a radio system from transmitter to receiver depends on various circumstances.

The range of the system can be optimised by selecting the best possible installation location, taking the structural characteristics into consideration.

Figure 3: Reduced range due to structural obstacles

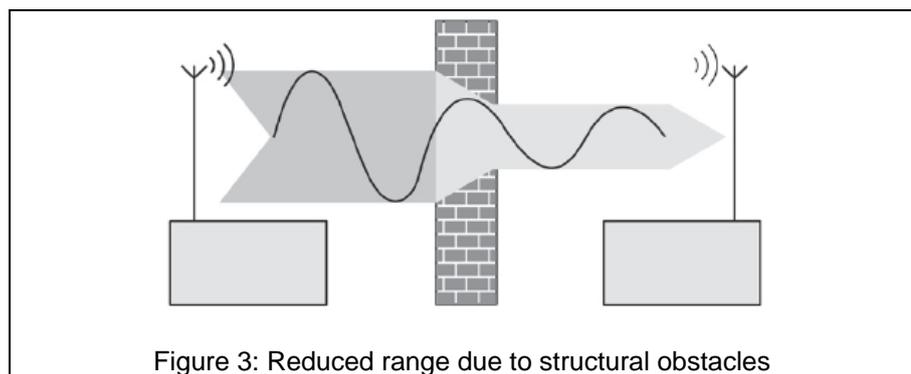


Figure 3: Reduced range due to structural obstacles

Examples for penetration of various materials:

Material	Penetration
Wood, plaster, plasterboard	approx. 90 %
Brick, chip board	approx. 70 %
Reinforced concrete	approx. 30 %
Metal, metal lattice	approx. 10 %
Rain, snow	approx. 1 – 40 %

3.2. Intended purpose

- Radio transmitter for the transmission of switching, dimming or shutter commands to radio receivers of the EnOcean radio system.
- Mounting on appliance box according to DIN 49073 or on smooth, even surfaces using screws or adhesives.

3.3. Product characteristics

- Battery-free device without external power supply.
- Transmitting energy is generated from mechanical energy of actuation.
- Number of radio channels depends on the rocker used.

4. Operation

Operation depends on the EnOcean radio components taught-in.

Information for electrically skilled persons

5. Installation

Maintain distance from large-area metal components, such as metallic door frames.

Installation is performed by screwing or bonding directly to an even surface.

5.1. Screwing

- Mount holder plate in the right orientation on an appliance box or directly on the wall; the label „TOP/OBEN“ must be at the top.
- Insert frame (3) onto the holder plate (2).
- Snap EnOcean module (4) onto the the holder plate (2) in the right orientation.
- Secure EnOcean module (4) with supplied screw (6) (optional).
- Snap on rocker (5).

5.2. Bonding

The surface must be clean, free of grease, and have adequate load bearing capability.

- Remove protective foil from the rear of the adhesive foil.
- Align adhesive foil (1) and stick it on.
- Press on adhesive foil with a suitable tool.
- Remove protective foil (8).
- Stick on holder plate (2) in the right orientation; the label „TOP/OBEN“ must be at the top.
- ① The frame and EnOcean module must not be stuck together. Leave protective foils (7) and (9) in place if necessary.

- Remove protective foil (7) (optional).
- Insert frame (3) onto the holder plate (2) and press it on.
- Remove protective foil (9) (optional).
- Snap EnOcean module (4) onto the the holder plate (2) in the right orientation.
- Secure EnOcean module (4) with supplied screw (6) (optional).
- Snap on rocker (5).

6. Commissioning

The switching, momentary contact, dimming or shutter function depends on the EnOcean radio components taught-in.

7. Teaching a transmitter into a radio receiver

In order for a receiver to understand a radio telegram from the transmitter, the receiver has to be „taught“ this radio telegram. A transmitter channel can be taught into any desired number of receivers. The teaching procedure creates an assignment in the receiver only. (see instructions for EnOcean radio component)

8. Appendix

8.1. Technical data

Carrier frequency:	868 MHz (ASK)
Transmitter range	
in free field:	typ. 300 m
in buildings:	approx. 30 m
Storage temperature:	-40 ... 85 °C
Ambient temperature:	-25 ... +65 °C
Relative humidity:	0 ... 95 % (no dew)

9. Guarantee

Our products are under guarantee within the scope of the statutory provisions.

Please return the unit postage paid to our central service department giving a brief description of the fault:

ALBRECHT JUNG GMBH & CO. KG
Service-Center
Kupferstr. 17-19
D-44532 Lünen
Service-Line: +(49) 23 55 . 80 65 51
Telefax: +(49) 23 55 . 80 61 65
E-Mail: mail.vka@jung.de

General equipment

Service-Line: +(49) 23 55 . 80 65 55
Telefax: +(49) 23 55 . 80 62 55
E-Mail: mail.vkm@jung.de

KNX equipment

Service-Line: +(49) 23 55 . 80 65 56
Telefax: +(49) 23 55 . 80 62 55
E-Mail: mail.vkm@jung.de

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