I EN **Installation and operating instructions**
EnOcean modules UPM-EO and RC-EO
- Please forward to the user -

About this guide

- Read these instructions carefully and completely before installation! It is essential to observe the general safety instructions and the safety symbols with instructions in the text
- These instructions must be passed on to the user (tenant, owner, property management, etc.) after completion of the installation

This symbol warns you of the risk of injury

This symbol warns you of the risk of injury from electricity

Safety instructions

Attention! Any assembly work may only be carried out with the mains voltage disconnected!

Attention! The electrical connection may only be carried out by authorized specialists and in accordance with the valid VDE 0100!

Disposal

Dispose of the packaging according to type. If you want to disconnect the ventilation unit, dispose of it according to the current regulations. Within the framework of the Electrical and Electronic Equipment Act (ElektroG), this device can be returned to your local collection point free of charge.

Technical data UPM-EO

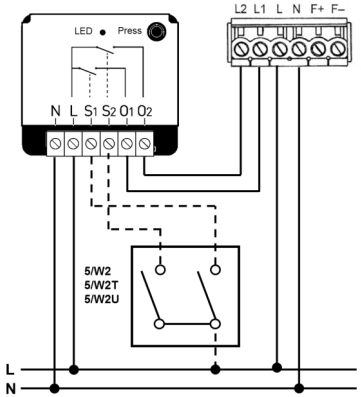
Operating voltage:	230 V AC, 50 Hz
Power consumption (module):	<1W
Max. Power:	2x 1050W permanent, 2x 1150W temporary
Radio frequency:	868MHz
Range:	p to 40 meters
Operating temperature:	0 ° C / 40 ° C
EPP profile:	D2-01-12
Dimensions:	44mm x 44mm x 16.9mm

Electrical connection - Silvento ec

Depending on the control board, DIP switch position and module

- Silvento ec with base board: deactivation of the run-on functions (L2), continuous operation basic ventilation or OFF according to DIP switches 1 and 2 switchable to demand ventilation (L1)
- Silvento ec with comfort board: deactivate the humidity control (L2), switchable to demand ventilation (L1)

Switch / button optional



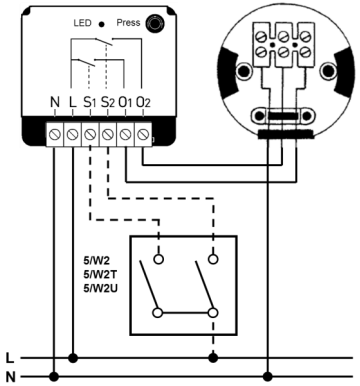
Electrical connection - AB 30/60

- OFF and two ventilation levels, switchable to 30m³ / h (S2) and 60m³ / h (S1 + S2)

Further connection diagrams are shown in the installation instructions of AB 30 /60 E136.

- 30m³/h ON/OFF
- 60m³/h ON/OFF

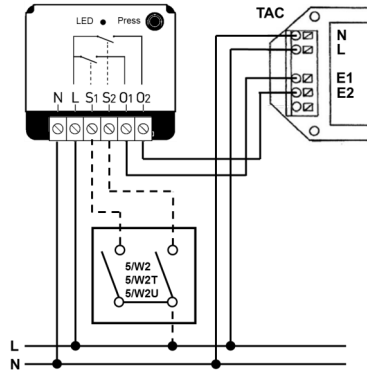
Switch / Button optional



Electrical connection - TAC Input

By connecting the UPM-EO module to the input of the TAC, switching commands can be transmitted to the TAC by radio. For example, the operating status (ON / OFF) of the bathroom fan with integrated FM-EO, UNI-EO or external UPM-EO is transmitted by radio to the UPM-EO module of the TAC and the TAC can control the devices on the supply air side accordingly.
The configuration of the input or the effect of a radio command is defined in the menu of the TAC.

Switch / button optional



Pairing mode

The Pairing mode can be activated in two ways

- Pressing the local button (Press) three times activates the pairing mode. The LED flashes green and then lights up red. This means that the coupling mode for channel 1 (S1 / O1) is activated. Pressing the local button again activates the coupling mode for channel 2 (S2 / O2). The LED flashes green twice and then lights up red.
- If one or more switches / buttons are installed on the flush-mounted module, the coupling mode can also be activated via this. Pressing the switch / button three times activates the respective channel-related coupling mode. The LED display behaves as described above.

The pairing mode is ended by pressing the local button again. The LED flashes red twice.

LED Display in pairing mode

Pairing mode status	LED-Display
activate	flashes green once lights up red
change from channel 1 to 2	flashes green twice lights up red
device paired	flashes green two times
device disconnected	flashes red 2 times
exit	flashes red 2 times
error	flashes red 2 times
memory full	flashes organge 2 times
timeout	flashes organge 2 times

Reset

To reset, the button must be pressed for more than 5 seconds until the LED lights up orange. The reset must be confirmed by pressing the button again within the next 30 seconds. The process is confirmed by the LED flashing alternately red and green.

Pairing of flush-mounted modules

UPM-EO flush-mounted module:

The flush-mounted module can not only be used as a receiver, but also as a transmitter. To do this, at least one button / switch must be connected to one of the inputs S1 and S2.

In order to couple two flush-mounted modules with each other, the module on the receiving side must be put into the coupling mode with the corresponding channel (see point "Coupling mode").

After pressing the button / switch on the flush-mounted module on the transmission side, the channels are coupled together. The status (ON or OFF) of the output (O1 or O2) on the transmitter module after the coupling process is defined as status ON on the receiver module.

In the same way, two receivers can be separated from each other again after the coupling process.

Pairinging with an EnOcean gateway

The UPM-EO flush-mounted module can also be controlled using an EnOcean home automation gateway. For information on programming the flush-mounted module with the selected gateway, please refer to the operating instructions for the gateway.

By default, the gateway must be put into pairing mode. Then the coupling mode is activated on the flush-mounted module as described in these installation instructions. The gateway will then confirm a successful pairing.

It is not necessary to choose a specific channel for the coupling, since the gateway will always couple both channels.

After coupling with an EnOcean home automation gateway, additional functions are available when configuring the flush-mounted module. Please read the following section.

Advanced configuration

The standard configuration of the UPM-EO flush-mounted module is listed below. This can be adjusted using a compatible EnOcean gateway.

function	Standard
local control	activated
time lag	deactivated
coupled components	activated
display day/night	day
Push button / switch	automatic detection
repeater	deactivated

Local control:
This function activates and deactivates the local control of the flush-mounted module and the connected push button / switch. In both cases, access to pairing mode and the system reset remains.
Time lag:
After switching off, the module remains active for the set time (0.1s - 3600s) and delays switching off.

Advanced configuration

Coupled components:
When the function is activated, the flush-mounted module can be operated via all coupled components. If the function is deactivated, the module can only be controlled using a gateway.
Display day / night:
With the "Day" setting, the LED lights up green when the flush-mounted module is switched on. With the "Night" setting, the LED of the module is switched off regardless of the switching status.
Push button / switch:
This point defines whether a button (monostable) or a switch (bistable) is connected to the module. By default, the module automatically recognizes the connected types.
Repeater:
If activated, the flush-mounted module can repeat a message that is not addressed to itself and increase the range by establishing a network between all EnOcean devices.

Technische Daten RC-EO

Radio frequence:	868MHz
Range:	up to 30 meter
Operating temperature:	-10°C / 50°C
Protection class:	IP53
EPP profile:	F6-02-xx
Dimensions:	56mm x 56mm x 20mm
Weight:	58g

The radio remote control RC-EO contains no battery and is therefore completely maintenance-free. With energy harvesting, pressing the button generates the energy required to send the switching signal wirelessly to a receiver.

The radio remote control RC-EO has an integrated magnet, so it can be easily attached to appropriate metallic surfaces.

In order to get an optimal range of 30m, the radio remote control should
RC-EO must be removed from the metallic surface before operation.

Pairing of a receiver

Remote Control RC-EO:

To couple the RC-EO remote control, the receiver must be put into pairing mode as described on the back and the channel to be paired selected.

Pressing any button on the remote control couples the respective button pair to the activated channel of the flush-mounted module. From now on, the pressed button is used to switch on the channel. It is switched off via the other of the pair of buttons.

Pair of buttons A

Pair of buttons B

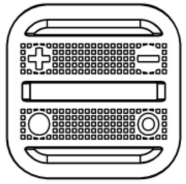
Disconnecting of a receiver

Remote Control RC-EO:

The procedure for separating a receiver corresponds to that for coupling the receiver. To do this, the receiver must be put into coupling mode and the channel to be separated selected on the receiver.

Pressing a button on the pair of buttons to be separated releases the coupling between transmitter and receiver.

The transmitter is now no longer able to control the receiver.



Tastenpaar A

Tastenpaar B

Notes

Notes

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E399 07.20