Eltako

Wireless light actuator

FL62-230V

Battery-free by EnOcean
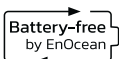
Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location: -20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity: annual average value <75%.

Wireless light actuator 10 A/250 V AC. Impulse switch with NO contact, potential free. 230 V incandescent lamps and halogen lamps 1000 W, ESL and 230 V LED lamps up to 200 W. Standby loss only 0.4 watt.

For installation. 49x51 mm, 20 mm deep. The terminals are plug-in terminals for conductor cross-sections of 0.2 mm^2 to 2.5 mm^2.

The convenient tap technology permits the teach-in of up to 32 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons and motion sensors.

Bidirectional wireless switchable.

Distance between control terminals and contact 6 mm.

Supply voltage, switching voltage and control voltage local 230 V.

If supply voltage fails, the device is switched off in defined mode. When the supply voltage is restored, the device is switched off in a defined process. After installation, wait for the short automatic synchronisation before connecting the switched user to the network. In addition to the wireless control input via an internal antenna, this wireless actuator can also be controlled locally by a conventional 230V control switch if fitted previously. Glow lamp current is not permitted.

Typical connection
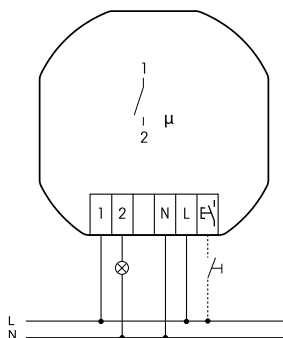
Start-up:
After plugging the device into the socket the teach-in mode is automatically active for 2 minutes provided the memory content is empty (as-delivered state) and/or the teach-in mode is not blocked.
Readiness for teach-in is indicated by the lamp briefly switching on/off.
If no action occurs for 2 minutes, teach-in mode ends automatically.
This is signalled by the lamp switching on and off briefly.

Teaching-in sensors:
Universal pushbutton: tap briefly 3 times;
Direction pushbutton: tap briefly 4 times;
Direction pushbutton teach-in is fully automatic when the pushbutton is tapped. Where you tap is then defined as switch-on. The other side automatically becomes switch-off.
Central control pushbutton On: Tap briefly 5 times;
Central control pushbutton Off: Tap briefly 6 times;
Wireless motion sensor FB65B, FBH65SB, FBHF65SB, FBH55SB: (EEP: A5-07-01);
Smoke detector FRWB, FHMB: (EEP: A5-30-03);
Rotary switch and GFVS: (EEP: A5-38-08);
Confirmation telegrams are switched on and sent automatically at teach-in. It blocks the teach-in mode.
After teaching-in a pushbutton, teach-in is confirmed by the lamp switching on/off briefly; the teach-in mode is active for a further 2 minutes.

To prevent unintentional teach-in, the teach-in mode is automatically blocked 2 minutes after the last teach-in, if an universal or direction pushbutton is already taught-in. This is indicated by the lamp switched on/off briefly twice.

Encrypted and unencrypted sensors can be taught in.

Teach in encrypted sensors:
1. Activate teach-in mode if necessary.
2. Activate sensor encryption within 2 minutes.
3. Then teach in the encrypted sensor as described under 'Teach in sensors'.
With encrypted sensors, use the 'rolling code', i.e. the code changes in each telegram, both in the transmitter and in the receiver.
If a sensor sends more than 50 telegrams when the actuator is not active, the sensor is no longer recognised when the actuator is active and must be taught in again as 'encrypted sensor'. It is not necessary to teach in the function again.

Block teach-in mode immediately:
Tap 3 times briefly and once long (>2 seconds) on a wireless pushbutton (not central control pushbutton) that is already taught in or the local pushbutton. A block is indicated by switching the load on/off twice briefly.

Unblock teach-in mode:
Tap 4 times briefly and once long (>2 seconds) on a wireless pushbutton already taught in (not a central command pushbutton) or the local pushbutton. Readiness for teach-in is indicated by briefly switching the load on/off.

Clear memory content completely (restore as-delivered state):
1. Switch power supply off/on.
2. Tap 8 times briefly and once long (>2 seconds) on a wireless pushbutton already taught in (not a central command push button). Clear is indicated by the lamp briefly switching on/off.
3. Apply on 'Teach in wireless pushbutton'.

Switch-on or -off confirmation telegrams:
1. Switch power supply off/on.
2. Tap 7 times briefly and once long (>2 seconds) on a wireless pushbutton already taught in (not a central command pushbutton) or the local button.
ON is indicated by the lamp switching on/off briefly twice.
OFF is indicated by the lamp briefly switching on/off.

Semi-automatic motion detection with taught-in wireless motion sensor FB65B, FBH65SB, FBHF65SB, FBH55SB (factory setting): Press the pushbutton to switch on. This starts a release delay time of 5 minutes during which the device switches on again if motion is detected.
When motion is no longer detected, the device switches off automatically after 5 minutes.
The actuator then responds to motion for a further 5 minutes before switching off automatically. After this time expires, the device must be switched on again by pressing the pushbutton. The device can be switched off at any time by pressing the pushbutton, but then motion is no longer detected.

Fully automatic motion detection with taught-in wireless motion sensor FB65B, FBH65SB, FBHF65SB, FBH55SB: If the actuator is not to switch on automatically when motion is detected, e.g. in rooms without daylight, replug the jumper to 'active' on the motion sensor. When motion is no longer detected, the device switches off automatically after the 5 minute release delay time expires. Press the pushbutton at any time to switch the device on or off. When motion is detected, the device switches on again automatically.

If a **smoke detector FRWB or an heat detector FHMB** is taught-in, the contact closes immediately after receiving the alarm telegram. After receiving the alarm end telegram, the contact doesn't open automatically, but only via a pushbutton.

enocean®
THE UNIQUE WIRELESS **PROFESSIONAL SMART HOME** STANDARD

Frequency	868.3 MHz
Transmit power	max. 10 mW

Hereby, Eltako GmbH declares that the radio equipment type FL62-230V is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: eltako.com

Must be kept for later use!

Eltako GmbH
D-70736 Fellbach
Technical Support English:
☎ +49 711 94350025
✉ technical-support@eltako.de
eltako.com