Wireless light actuator
FL62-230V

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%.

valid for devices from production week 29/21 (see bottom side of housing)

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.
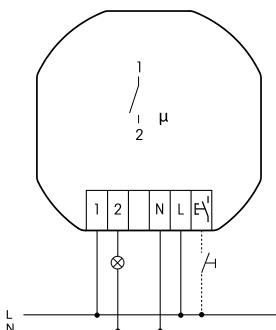Bidirectional wireless switchable.
Distance between control terminals and contact 6 mm.
Supply voltage and control voltage local 230 V.
If supply voltage fails, the device is switched off in defined mode. When the supply voltage is restored, the device is switched off in a defined process. After installation, 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 230 V 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, FB55B, 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 of rotary switch and GFVS.
After teaching-in a sensor, teach-in is confirmed by the lamp switching on/off briefly; the teach-in mode is active for a further 2 minutes.

Teaching in a wireless switch FS.. as a 'universal button':
Briefly tap both sides (top and bottom) of the wireless switch alternately 3 times. (The first push of a button starts the 'tapping sequence'; the button on the opposite side is interpreted as a 'release').
Function: Press the radio switch up or down, the switch position of the actuator changes each time it is pressed (toggling). If several radio switches or radio buttons are taught in together, the radio switch fulfills the function of a toggle switch.

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. Immediate locking only works if at least one universal or directional button has been taught in beforehand.

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.

Teach in confirmation telegrams from other actuators:

Unlock simplified learning mode:

1. Tap an already taught-in wireless push-button (not central control pushbutton) or the local wired pushbutton 4 times briefly plus 2 times long (>2 seconds). The readiness for teching-in is signaled by briefly switching the load on and off, this mode is active for 30 seconds.

2. Switch the actuator, which its confirmation telegram has to be taught in, on or off with its wired pushbutton. The automatic locking is signaled immediately after teaching-in by briefly switching the load on and off twice.

Confirmation telegram 'ON' (0x70 and 0x30) is taught in as 'Central on'.

Confirmation telegram 'OFF' (0x50 and 0x10) is taught in as 'Central 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 pus hbutton'.

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, FB55B, 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 auto-matically. 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.
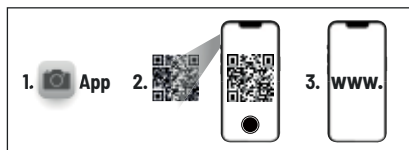
Fully automatic motion detection with taught-in wireless motion sensor FB65B, FB55B, FBH65SB, FBHF65SB, FBH55SB: If the actuator is not to switch on automatically when motion is detected, e.g. in rooms without daylight, replug the jumper to 'active' on the motion sensor. When motion is no longer detected, 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.

Manuals and documents in further languages:

https://eltako.com/redirect/FL62-230V

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