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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
18/21 (see bottom side of housing)**

**Wireless light actuator 10 A/250 V AC.
Impulse switch with NO contact, potential
free. 230V 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. 49x51mm, 20 mm deep.
The terminals are plug-in terminals for
conductor cross-sections of 0.2 mm² to
2.5 mm².

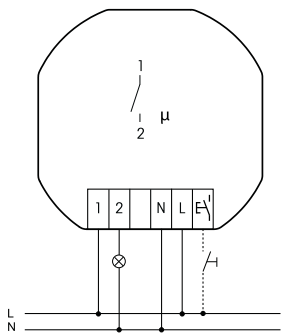
The convenient tap technology permits the
teach-in of up to 32 wireless universal push-
buttons, wireless direction pushbuttons,
wireless central control pushbuttons and
motion sensors.

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 conven-
tional 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 auto-
matic 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.

**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 tele-
gram, 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.

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 teaching-in is signaled
by briefly switching the load on and
off, this mode is active for 30 seconds.
2. Switch the actuator, which its confir-
mation 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 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, 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 automati-
cally 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!

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14/2021 Subject to change without notice.