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### Wireless light actuator FL62NP-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, not 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. 49x51mm, 20 mm deep.  
The terminals are plug-in terminals for  
conductor cross-sections of 0.2 mm<sup>2</sup> to  
2.5 mm<sup>2</sup>.

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.

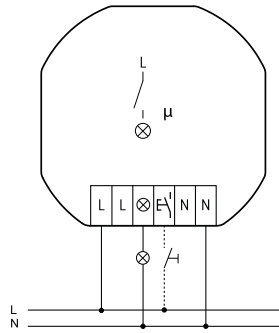
Bidirectional wireless switchable.

#### Zero passage switching.

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 FL62NP-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](http://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

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