



Tap-radio® light actuator

TF61L-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**

**14/17** (see bottom side of housing)

Wireless light actuator 10A/250V AC.  
Impulse switch with NO contact, not potential free. 230V incandescent lamps and halogen lamps 1000W, ESL and 230V LED lamps up to 200W.  
Standby loss only 0.8 watt.

For installation.

45mm long, 45mm wide, 18mm deep.

Up to 24 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons, smoke detector TF-RWB as motion sensors TF-BSB and TF-BSHB can be taught in using easy tap-radio® technology.

#### Zero passage switching.

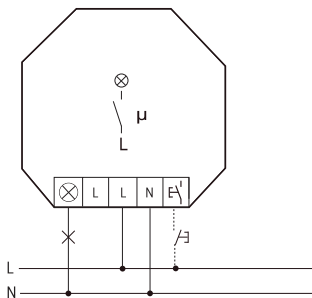
Bidirectional wireless switchable.

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

If supply voltage fails, the device is switched off in defined mode.

In addition to the wireless control input via an internal antenna, this tap-radio® 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 you switch on the power supply, 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 briefly switching the load on/off.

#### Teach in wireless pushbutton:

**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 TF-BSB, TF-BSHB:** teach-in telegram 0x1C080D80;

**Smoke detector TF-RWB:** teach-in telegram 0xC0182D80

**Rotary switch and GFVS:** teach-in telegram 0xE0400D80, this automatically switches on and sends confirmation telegrams. It locks automatically the teach-in mode.

Teaching-in a pushbutton, is confirmed by briefly switching the load on/off. The teach-in mode is then 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 load switched on/off briefly twice.**

#### Block teach-in mode immediately:

Tap 3 times briefly and once long (>1 second) 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 (>1 second) 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 (>1 second) on a wireless pushbutton already taught in (not a central command pushbutton) or the local pushbutton.  
Clear is indicated by switching the load on/off briefly.
3. Apply on 'Teach in wireless pushbutton'.

#### Switch on/off confirmation telegrams:

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

#### Semi-automatic motion detection with taught-in TF-BSB, TF-BSHB wireless motion sensor (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 TF-BSB, TF-BSHB taught-in wireless motion sensor:

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 TF-BSB device. 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 TF-RWB** 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 wireless

Frequency	868.3 MHz
Transmit power	max. 10mW

**Hereby, Eltako GmbH declares that the radio equipment type TF61L-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!

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