

Tap-radio® pushbutton actuator
light switch

TF-TA65L



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 45/17 (see bottom side of housing)

Wireless pushbutton actuator light switch 10A/250V AC. For single mounting 84x84x16/33 mm or mounting into the E-design switching system. Pure white glossy. Impuls switch with 1 NO contact, not potentialfree, 230V incandescent and halogen lamps 1000W, ESL and 230V LED lamps up to 200W. With integrated universal/direction pushbutton and terminals for additional wired pushbuttons. Standby loss 0.8 watt only.

Using easy tap-radio technology, up to 24 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons, smoke alarms TF-RWB as well as motion sensors TF-BSB and TF-BHSB can be taught in.

In addition the actuator can be locally controlled with a conventional 230V wired pushbutton without glow lamp.

The integrated pushbutton works ex work as an universal pushbutton and can be taught-in as an direction pushbutton using the corresponding tap-radio tapping code.

Zero passage switching.

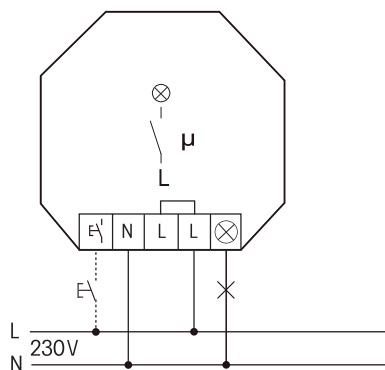
Bidirectional wireless switchable.

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

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

Mounting over a 55mm switch box. 16mm over and 33mm into the box. 230V power supply and wired pushbutton terminals on the rear.

Typical connection



Startup:

After power supply is switched on, the teach-in mode is activated automatically for 2 minutes if the memory is empty (as-delivered state) or if the teach-in mode was not blocked. Teach-in standby is alerted by the lamp switching on and off briefly.

In its as-delivered state, the rocker operates as an universal pushbutton when the top or bottom part is pressed. It can be changed into a direction pushbutton in teach-in mode by tapping 4 times briefly.

The part where you tap is then defined as switch-on. The other side automatically becomes switch-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-BHSB: teach-in telegram 0x1C080D80;

Smoke alarm 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 avoid teach-in by accident, the teach-in mode is blocked automatically 2 minutes after the last teach-in if a universal or a direction pushbutton was previously taught in. This is alerted by the lamp switching on and off twice briefly.

Block teach-in mode:

Tap the rocker, a cable-bound pushbutton or an already taught-in wireless pushbutton (but not a central control pushbutton) 3 times briefly and once long (>1 second).

Readiness for teach-in is indicated by briefly switching the load on/off.

Unlock teach-in mode:

Tap 4 times briefly and once long (>1 second) on the rocker, on a wired pushbutton or an already taught in wireless pushbutton (not a central command 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 the rocker, a cable-bound pushbutton or an already taught-in wireless pushbutton (but not a central control pushbutton) 8 times briefly and once long (>1 second).
Clear is signalled 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 the rocker, a cable-bound pushbutton or an already taught-in wireless pushbutton (but not a central control pushbutton) 7 times briefly and once long (>1 second).
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 wireless motion sensor TF-BSB, TF-BHSB (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 TF-BSB, TF-BHSB:

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.

EnOcean wireless

Frequency	868,3 MHz
Transmit power	max. 10 mW

Hereby, Eltako GmbH declares that the radio equipment type TF-TA65L 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 can be requested at the address below.

Must be kept for later use!

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