

Tap-radio® pushbutton actuator  
light switch   
TF-TA55L

**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  
80x80x15/33 mm or mounting in the  
55 mm switch system. Pure white glossy.  
Impuls switch with 1 NO contact, not  
potentialfree, 230V incandescent and  
halogen lamps 1000W, ESL and 230V  
LED kamps up to 200W.  
With integrated universal/direction push-  
button 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 push-  
button using the corresponding tap-radio  
tapping code.

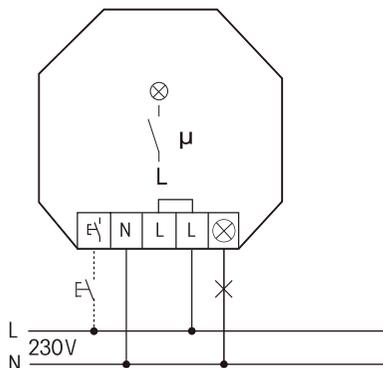
**Zero passage switching.**  
Bidirectional wireless switchable.

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 push-  
button 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 push-  
button in teach-in mode by tapping  
4 times briefly.

The part where you tap is then defined  
as switch-on. The other side automati-  
cally 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 tap-  
ped. Where you tap is then defi ned 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 tele-  
gram 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 automati-  
cally 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 push-  
button 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 push-  
button or an already taught-in wire-  
less 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 push-  
button'.

#### Switch on/off confirmation telegrams:

1. Switch power supply off/on.
2. Tap the rocker, a cable-bound push-  
button or an already taught-in wire-  
less 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 moti-  
on is no longer detected, the device  
switches off automatically after 5 minu-  
tes. The actuator then responds to moti-  
on for a further 5 minutes before swit-  
ching 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 auto-  
matically 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	868,3MHz
Transmit power	max. 10mW

**Hereby, Eltako GmbH declares that the  
radio equipment type TF-TA55L 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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