


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.

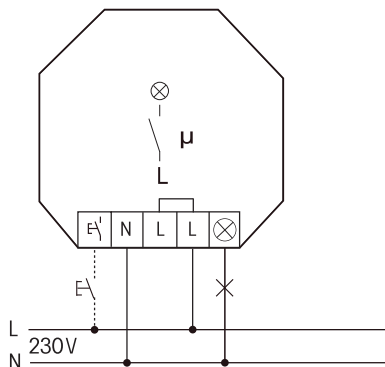
Zero passage switching.
Bidirectional wireless switchable.

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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