



Tap-radio® indoor UP signal generator

TF-IUS55

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%.

Wireless signal generator pure white glossy for single mounting 80x80x17 mm or mounting into the 55 mm switch system. Internal acoustic signal generator for a minimum volume of 80 dB. Power supply 230V. Only 0.8 watt standby loss. Smart Home sensor.

Up to 24 wireless universal pushbuttons, wireless window contacts, window handles, smoke detectors TF-RWB, water sensors as well as motion sensors TF-BSB and TF-BHSB can be taught in.

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

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 a short beep.

Teach in wireless pushbutton:

Universal pushbutton: tap briefly 3 times;

Direction pushbutton: tap briefly 4 times;

Wireless window contact: Close and open the window briefly 3 times;

Motion sensor: teach-in telegram

0x1C080D80

Smoke alarm and water sensor:

teach-in telegram 0xC0182D80

GFVS: teach-in telegram 0xE0400D80,

this automatically switches on confirmation telegrams and blocks the teach-in mode.

After a pushbutton is taught in, it is confirmed by a short acoustic signal; the teach-in mode is 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 two short beeps.

Block teach-in mode immediately:

Tap the pushbutton under the front panel or an already taught-in direction pushbutton 3 times short and once long (>1 second). Blocking is signalled by two beeps.

Unblock teach-in mode:

Tap the pushbutton under the front panel or an already taught-in direction pushbutton 4 times short and once long (>1 second).

Teach-in standby is signalled by a short beep.

Clear memory content completely (restore as-delivered state):

1. Switch the power supply off and on.

2. Tap the pushbutton under the front panel or an already taught-in direction pushbutton 8 times short and once long (>1 second).

Clear is signalled by a short acoustic signal.

3. Apply on 'Teach in wireless pushbutton'.

Switch on/off confirmation telegrams:

1. Switch the power supply off and on.

2. Tap the pushbutton under the front panel or an already taught-in direction pushbutton 7 times short and once long (>1 second).

ON is signalled by two short acoustic signals.

OFF is signalled by a short acoustic signal.

Deactivate acoustic signal generator for alarm:

1. Switch the power supply off and on.

2. Tap the pushbutton under the front panel or an already taught-in direction pushbutton 5 times short and once long (>1 second).

Deactivation is signalled by two short acoustic signals.

Activate acoustic signal generator for alarm (as-delivered state):

1. Switch the power supply off and on.

2. Tap the pushbutton under the front panel or an already taught-in direction pushbutton 6 times short and once long (>1 second).

Activation is indicated by a short acoustic signal.

Switch on alarm standby:

(Alarm readiness is always active for smoke alarm and water sensors)

Press top of direction pushbutton. The actuator is on alarm standby and *ON* is signalled by a triple acoustic signal. **After 30 seconds**, incoming telegrams are evaluated by taught-in sensors and the alarm is triggered if necessary.

After a power failure, the actuator returns automatically to alarm standby.

Bestätigungstelegramm: (ORG5) 0x30 = Alarmbereitschaft ein

Switch alarm standby or alarm off:

Press **bottom direction pushbutton** or press the pushbutton under the front panel for 10 seconds and then release.

Alarm standby is switched off and OFF is signalled by a short beep.

Confirmation telegram: (ORG5) 0x10 = alarm standby OFF

When an alarm occurs, a beep sounds every second. The beep stops automatically after 3 minutes but an alarm confirmation telegram (if activated) is still sent every 1 second for ON and every 9 seconds for OFF.

Switch alarm off:

Press **bottom direction pushbutton** or press the pushbutton under the front panel for 10 seconds and then release. The alarm stops immediately.

When teaching in **wireless window contacts** or **window handles**, the alarm switches on after a response lag time of 10 seconds when a window is opened.

If you close the window, the alarm does not stop automatically. Switch it off using 'Press bottom direction pushbutton'. Even if the alarm readiness is off, or within 30 seconds after switching on the Alarm readiness, telegrams of taught-in wireless window contacts and wireless window handles are already evaluated. When a window is opened, a periodic warning tone sounds, indicating that the window is open. The warning tone stops immediately when the window is closed. If the window is not closed, the alarm is enabled after 40 seconds.

When teaching in **TF-BSB or TH-BHSB motion sensors**, the alarm switches on after a response lag time of 10 seconds when motion is detected.

Switch off the alarm using 'Press bottom direction pushbutton'.

If a **smoke detector TF-RWB or water sensor** is taught-in, the contact closes immediately after receiving the alarm telegram. In the event of an alarm end telegram, the alarm does not stop automatically. Switch it off using 'Press bottom direction pushbutton'.

When an **universal pushbutton** is pressed, the alarm switches on after a response lag time of 10 seconds. Switch off the alarm using 'Press bottom direction pushbutton'.

Teach in signal generator in actuators:

Press the pushbutton under the front panel for 5 seconds and then release.

Send is signalled by two beeps.

Teach-in telegram: 0xE0400D80

Data telegram according to EEP:

A5-38-08

(ORG7) 0x01000008 = Alarm on

0x01000009 = Alarm off

Unblock teach-in mode for a tap-radio actuator with TF-IUS:

Press the pushbutton under the front panel for 20 seconds and then release.

(ORG7) 0x01000028 = unblock

EnOcean wireless

Frequency	868.3MHz
Transmit power	max. 10mW

Hereby, Eltako GmbH declares that the radio equipment type TF-IUS55 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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