



Tap-radio® indoor UP signal generator

TF-IUS

**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 07/19** (see bottom side of housing)

Wireless signal generator pure white glossy for single mounting 84x84x17 mm or mounting into the E-design switching system. Internal acoustic signal generator for a minimum volume of 80dB. 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;

**Doorbell pushbutton:** tap briefly 5 times.

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

**Wireless window handle sensor TF-FGB:** (EEP: A5-14-09)

**Wireless window/door contact FTKB-hg:** (EEP: A5-14-0A)

**Wireless motion sensor TF-BSB, TF-BHSB:** (EEP: A5-07-01)

**Smoke alarm and water sensor:** (EEP: A5-30-03)

**Wireless water probe FWS81:** Press briefly the piston slide valve once.

**GFVS:** (EEP: A5-38-08) 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 (>2 seconds). 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 (>2 seconds).

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 (>2 seconds).  
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 (>2 seconds).

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 (>2 seconds).

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 (>2 seconds).

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. If a monitored window is open or is opened within 30 seconds after the alarm system is enabled, a cyclical signal sounds immediately indicating that the window is open. The signal stops immediately the window is closed. **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.

Confirmation telegram: (ORG5) 0x30 = alarm standby ON

**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 1-second. The beep stops auto-

matically after 3 minutes (the time starts from zero at each incoming alarm telegram) 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'. After **wireless window/door contacts FTKB-hg** are taught in, the intelligent intrusion detector is active even if the alarm system is disabled. An alarm sounds when the window is opened in locked and tilt position.

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'.

If a **doorbell pushbutton** is pressed, an acoustic signal is generated in an 2 seconds interval until the pushbutton is released. (min. 3 times) If the doorbell pushbutton stays pressed, the acoustic signal stops after 1 minute. Alarm has always priority over the doorbell.

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	868.3 MHz
Transmit power	max. 10 mW

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