



## Tap-radio® signal generator adapter

TF100A-230V

Temperature at mounting location:  
0°C up to +35°C.

Storage temperature: -25°C up to +70°C.

Relative humidity:

annual average value <75%.

**valid for devices from production week  
14/17** (see bottom side of housing)

Wireless signal generator adapter  
10A/250V AC. 100x55x45mm  
(measurements without plug), pure white  
glossy. Additional An internal acoustic  
signal generator with a volume of at least  
80 dB will flash a load connected to the  
plug. 230V incandescent lamps and  
halogen lamps 1000W, ESL and 230V  
LED lamps up to 200W. Standby loss  
only 0.8 watt.

Adapter for German fused safety sockets.

Using easy tap-radio® technology, up to  
24 wireless pushbuttons, wireless window  
contacts, window handle, smoke alarms  
TF-RWB, water probes, as well as motion  
sensors TF-BSB and TF-BHSB can be  
taught in.

### Zero passage switching.

Bidirectional wireless switchable.

Supply voltage and switching voltage  
230V.

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

### Start-up:

After plugging the device into the socket  
the teach-in mode is automatically active  
for 2 minutes provided the memory  
content is empty (as-delivered state)  
and/or the teach-in mode is not blocked.

Teach-in standby is indicated by a short  
acoustic signal.

### 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;

**Wireless motion sensor TF-BSB, TF-BHSB:**  
teach-in telegram 0x1C080D80;

**Smoke alarm TF-RWB, water probe:**  
teach-in telegram 0xC0182D80;

**GFVS:** teach-in telegram 0xE0400D80;  
this automatically switches on confir-  
mation 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 prevent unintentional teach-in, the  
teach-in mode is automatically blocked  
2 minutes after the last teach-in, if an  
direction pushbutton is already taught-  
in. This is indicated by an acoustic  
signal which sounds briefly twice.**

### Block teach-in mode immediately:

Tap 3 times briefly and once long  
(>1 second) on a direction pushbutton  
that is already taught in.

Blockage is signalled by two short  
acoustic signals.

### Unblock teach-in mode:

Tap 4 times briefly and once long  
(>1 second) on a direction pushbutton  
already taught in.

Teach-in standby is indicated by a short  
acoustic signal.

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

1. Unplug or plug in the adapter.

2. Tap 8 times briefly and once long  
(>1 second) on a direction push-  
button already taught in.

Clear is signalled by a short acoustic  
signal.

3. Apply on 'Teach in wireless pushbutton'.

### Switch on/off confirmation telegrams:

1. Unplug or plug in the adapter.

2. Tap 7 times briefly and once long  
(>1 second) on a direction push-  
button already taught in.

*ON* is signalled by two short acoustic  
signals.

*OFF* is signalled by a short acoustic  
signal.

### Deactivate acoustic signal generator for alarm:

1. Unplug or plug in the adapter.

2. Tap 5 times briefly and once long  
(>1 second) on a radio button that is  
already taught in.

Deactivation is signalled by two short  
acoustic signals.

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

1. Unplug or plug in the adapter.

2. Tap 6 times briefly and once long  
(>1 second) on a radio button that is  
already taught in.

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.

### Switch alarm standby or alarm off:

**Press bottom direction pushbutton.**

Alarm standby is switched off and the  
alarm ends immediately.

*OFF* is indicated by a short acoustic  
signal.

**When an alarm** is triggered, an acoustic  
signal sounds alternating with the flashing  
of a connected load.

After 3 minutes, the acoustic signal ends  
automatically. The connected load conti-  
nues to flash at the rate of 1 second *ON*  
and 9 seconds *OFF*.

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.

After closing the window, the alarm  
doesn't end automatically, it must be  
stopped with a direction pushbutton  
(press the bottom side).

Telegrams from taught-in wireless window  
contacts and wireless window handles  
are evaluated even if alarm standby is

disabled. 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.

The alarm must be stopped with a direction pushbutton (press the bottom side).

If a **smoke detector TF-RWB or water probe** is taught-in, the contact closes immediately after receiving the alarm telegram. After receiving the alarm end telegram, the contact doesn't open automatically, but only via a direction pushbutton (press the bottom side).

When an **universal pushbutton** is pressed, the alarm switches on after a response lag time of 10 seconds.

The alarm must be stopped with a direction pushbutton (press the bottom side).

Confirmation telegrams:

0x30 = Alert ON

0x10 = Alert OFF

0x70 = Relay ON

0x50 = Relay OFF



**May only be used in closed dry rooms.**

**The socket must be easily accessible.**

**Don't insert in a row.**

#### **EnOcean wireless**

Frequency	868.3MHz
Transmit power	max. 10mW

**Hereby, Eltako GmbH declares that the radio equipment type TF100A-230 V 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)**

WEEE registration number DE 30298319

**Must be kept for later use!**

#### **Eltako GmbH**

D-70736 Fellbach

#### **Technical Support English:**

☎ Michael Thünte +49 176 13582514

✉ [thuente@eltako.de](mailto:thuente@eltako.de)

☎ Marc Peter +49 173 3180368

✉ [marc.peter@eltako.de](mailto:marc.peter@eltako.de)

[eltako.com](http://eltako.com)