Eltako
ELECTRONICS

Tap-radio® signal generator adapter

CE

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 22/18 (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 80dB 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 contatcs, 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 window handle sensor TF-FGB: teach-in telegram 0x50480D80
Wireless window/door contact FTKB-hg: teach-in telegram 0x50501680
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 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 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'.

Clear memory content completely (restore as-delivered state) without a pushbutton: unplug and plug in the adapter 8 times within 20 seconds. Clear is signalled by a short acoustic signal.

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 pushbutton 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. 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.

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 continues 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).
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.
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-230V 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

WEEE registration number DE 30298319

Must be kept for later use!