TWIG Door Sensor
Quick Guide

Manufacturer:
Twig Com Ltd.
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For TUP92EU devices:
TWIG Protector Ex
TWIG Protector Pro Ex

For TUP91EU devices:
TWIG Embody since SW version 9

For TUP90EU devices:
TWIG Protector Pro since SW version 40
TWIG Protector since SW version 40
TWIG Protector EasyS and EasyP since SW version 40

including SRD receiver compatible with:
SW version CS1R.03.200.0000

RADIO FREQUENCY (RF) ENERGY
Transmission frequencies and power for TSX90EU device types in EU are listed in the table below.

Transmitter	TX frequency bands / MHz	Max power / dBm
SRD	869.675	5

Detailed configuration instructions are available in TWIG Configuration Guide. For any further questions please contact TWIG support at support@twigcom.com or +358 40 510 5058.

Due to differences in use, installation and hardware, all settings and functions may not be applicable to each device version. Device SRD receiver's software needs to be updated to SW version CS1R.03.200.0000. Device needs to be configured with setting Tag/Door Sensor enabled=ON

1. Installation

Door sensor has integrated Lithium coin battery giving typical 30 000 read cycles.

Mount the sensor to door frame and the magnet to door next to each other. The longer marked side of the sensor need to be installed towards magnet. Mounting of the sensor on metal or areas with RF interference may damp the signal and can even totally block the sensor to be read. Mounting can be done with double sided tape or screws.

2. Use
TWIG Door Sensor is activated by removing its magnet from sensor installed next to it.
To read the ID from TWIG Door Sensor, TWIG device settings need to correspond those of the TWIG Door Sensor. Check the device is configured with setting Tag/Door Sensor enabled=ON

1. When door is opened and magnet removed from sensor installed next to it, sensor sends a signal to alarm device. The range is about 5-7 meters.

2. When TWIG device receives the signal, a door open symbol (image on the left) is displayed on the device screen.
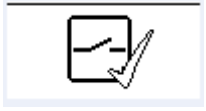
3. TWIG device sends a status message !INF to service center phone number.

4. TWIG device is waiting one minute for the MPTP acknowledgement message ?ACK_1_TAG from the service center phone number.

5. When the device receives the acknowledgement message, the symbol on the left is displayed and device returns to normal state. The repeating door openings always require the acknowledgement message or user pressing the SEND key before the next door opening can be registered.

6. If the acknowledgement message is not received, the device requests the user

- to send the status message again by pressing the SEND key (TWIG Embody and Easy devices) or number 1 (other TWIG devices) or

- to return to normal state by pressing the END key (TWIG Embody and Easy devices) or number 2 (other TWIG devices).

- Device returns to normal state in a minute if END or number 1 keys are not pressed.
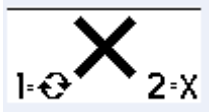
3. Safety & recycling

Usage: -20°C to +50°C, Storage: -30°C to +70°C. Do not open the device or battery by yourself or pierce holes in it. Rough handling may break the circuitry inside the device. Do not drop, knock, twist or shake the device or its battery. Even though the device is waterproof, do not wet the device unnecessarily or immerse it in water. Protect the device from heat. High temperatures may shorten the life of electrical devices, melt or warp plastics and damage batteries. Do not warm up the device or battery or use it near fire. Do not short-circuit the battery or battery contacts. Clean the device with a soft cloth, dampened slightly with mild soapy water. Do not clean the device with harsh chemicals, solvents or other corrosive substances. Only allow service personnel authorised by the dealer to service the device.

BATTERY CARE, MAINTENANCE AND DISPOSAL
Magnet needs to be kept together with the sensor when storing the unit. The amount of actual reading cycles depends on the interval used for reading. If the sensor is read several times within minute it will shorten the battery life dramatically. Typical reading interval where maximum performance can be achieved is few times per day. When storing unit for a long time, it should be kept cool in a dry place.

Integrated lithium batteries and the device itself should be disposed according to the country-specific regulations.