

# TWIG Door Sensor SRD

The Short Range Device for Doorways



TWIG Door Sensor is a short range device (SRD) designed to improve safety of TWIG personal alarm users e.g. security guards and maintenance workers by registering their comings and goings at door openings.



### Discreet and robust

- Discreet design
- IP67 waterproof



### Easy to install

- Magnet to door
- Sensor to door frame
- Mounting with screws or velcro tape



### Various usage areas

- Lone worker safety
- Telecare
- Outdoors



### TWIG personal alarm compatible SRD

- Reports from TWIG personal alarm to ARC
- Reports in MPTP messages over SMS or GPRS
- Requires TWIG personal alarm with SRD transceiver

## Installation and deployment

Door sensor includes two pieces. The counterpart magnet is attached to the door and the sensor to the door frame. Both pieces of the TWIG Door sensor are mounted right next to each other. TWIG Door sensor can be deployed in a wide range of environments. It is IP67 waterproof and has an operating temperature range of -20 to +50 C. It can be installed with screws or velcro tape.

## How does it work?

When the door is opened, it signals user carrying TWIG device which further signals the central station about user movements. TWIG personal alarm device transmits door sensor report in real time to central station over mobile network. Report includes information on door sensor identity and position.



## Monitoring comings and goings

TWIG Door Sensor provides a SRD solution for lone worker protection by monitoring TWIG device user movements at doorways. It is especially suitable for lone workers moving inside buildings or from building to another e.g. in industrial sites, offices, retail stores, commercial locations or areas where lone worker's safety need to be monitored in real time. As a telecare solution it enables those with long-term care needs to enjoy more independent and active lives.

## Modular system

The TWIG short range devices (SRD) system is modular. TWIG personal alarm equipped with SRD transceiver can

- receive alarms from several TWIG Button wireless alarms,
- determine its position from nearby TWIG Beacon locating devices also when GPS signal is not available,
- register attendance by swiping TWIG Tag RF identifiers or
- register comings and goings with to the door frame attached TWIG Door Sensor.



# TWIG Door Sensor SRD

## Technical specification

### Short-range active RF sensor

- RF sensor is activated by removing it from magnet installed next to it at door frame.

### Small and robust

- Discreet design
- Screw-on and Velcro tapes as attachment options
- Waterproof (IP67)

### Compatibility and communication

- TWIG Door Sensor works with TWIG TUP92EU, TUP91EU and TUP90EU personal alarms equipped with the TWIG SRD transceiver.
- Sensor report is transmitted from TWIG personal alarm to ARC in MPTP (Mobile Phone Telematics Protocol) messages, over SMS or GPRS.
- TWIG personal alarm with SRD transceiver can operate simultaneously with TWIG Door Sensor, TWIG Button wireless alarms, TWIG Beacon locating devices and TWIG Tag RF identifiers.

### Mechanics

- Dimensions: 40 mm x 35 mm x 11 mm (w/o mounting devices)
- Weight: 13 g with battery
- Operating temperature -20° C...+50° C
- Power supply: Lithium coin battery 980 mAh



### Operating time

- 5 years / 30 000 readings\*
- Operating frequency: 869,675 MHz (EU), 918.675 MHz (AU)
- Transmitting power level: -0 dBm
- Frequency deviation: +/- 5 kHz

### Sales package content

- Sensor (EU/AU) with integrated lithium coin battery
- Magnet
- Installation guide

	Customer system	TWIG system modules
Alarm Receiving Centre (ARC)		TWIG WebFinder SP TWIG Door Sensor TWIG Tag SRD Attendance monitoring
Operations management		
Device management		TWIG Point SP Remote Configurator
Location fusion		TWIG Beacon SRD On-site positioning TWIG Point NetLoc Cellular location TWIG Point AGPS Faster GPS acquisition
Device integration	TWIG Integrator Kit: TWIG MPTP, TWIG Support	
Global infrastructure	IP	3G/GSM data + SMS 3G/GSM 2-way voice



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