

## Indoor Lone Worker Alarms Solution

The TWIG Beacon system is designed to locate distressed or injured persons inside areas where GPS is not reliable and other methods do not provide needed accuracy.

TWIG personal alarm devices are located within a microcell network of RF transmitters, laid out to meet position accuracy requirements.

Instantly operational TWIG Beacon locating devices provide years of operating time with their integrated large-capacity battery. Over-the-air configuration facility makes setting up the system easy.

IP67 water-proof housing allows installation in demanding environments.

TWIG personal safety alarm devices report to alarm receiving centre (ARC) TWIG Beacon location information along with last known GPS position, creating a complementary location system for indoor premises capable of global roaming outdoors.



### Lone worker protection

Duty of care requires employers to give lone workers means to alert help.

- Depending on risk assessment, a dedicated alarm device may be required.
- Automatic ManDown function can trigger alert if user is incapacitated.
  - When entering a risky situation, request enhanced monitoring with Amber alert.

### Attendance monitoring

Register attendance by swiping TWIG Tag RF identifiers.

### Personal protection

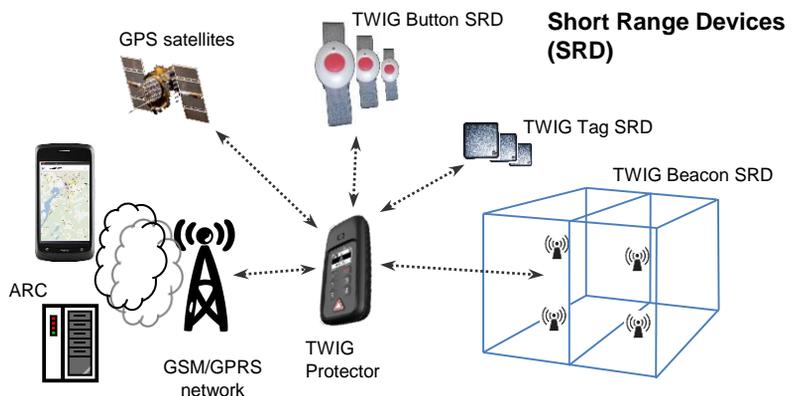
Whether VIPs or loved ones, TWIG Protector improves safety through panic button, two-way voice and GPS tracking, even in real time.

### Telecare

Telecare solutions powered by TWIG enable those with long-term care needs to enjoy more independent and active lives. A discreet wireless wrist alarm TWIG Button and charging station turn the TWIG Protector into a home care unit.

### Asset security

Protect vehicles, machinery, caravans and other mobile assets through motion watch and inclusion zones based on TWIG Beacon or GPS.



### Alarms monitoring and tracking

TWIG Integrator Kit resources enable integrating TWIG devices with alarm receiving centre.

Optionally the TWIG WebFinder SP software provides a turn-key solution for testing or deployment.

Or receive alarms and reports on your smartphone as SMS with [web link](#), opening up Google Maps view.

### Twig Com Ltd.

Meriniitynkatu 11  
FIN – 24100 SALO  
FINLAND

Tel: +358 40 510 5058  
Fax: +358 42 510 5058  
sales@twigcom.com

## Short-range RF beacons

- Location determined using Beacon signals
- Complement GPS location indoors

## Small, easy and affordable

- Discreet design
- Instantly operational
- Wireless configuration
- Scalable coverage up to 2000 m2 per beacon\*\*
- Add beacons for increased resolution
- No location server system required

## Compatibility and communication

TWIG Beacon works with TWIG TCP90EU and TUP90EU – devices equipped with the TWIG short range devices (SRD)

Transceiver -option:

- TWIG Protector
- TWIG Protector EasyP / EasyS
- TWIG Protector Pro
- TWIG Asset Locator

Beacon data is transmitted from TWIG device to ARC in MPTP (Mobile Phone Telematics Protocol) messages, over SMS or GPRS.

## Provisioning and security

- Wireless configuration  
TWIG Beacon Configuration Adapter  
TWIG Beacon Configurator PC application
- Configuration security

## Brief technical specification

- Dimensions: 125 mm x 75 mm x 60 mm
- Weight: 305 g with battery
- Operating temperature -20° C..+50° C
- Power supply alternatives:  
Lithium primary battery 19 Ah
- Operating time: 4 years\*\*\* (typical, with lithium primary battery)
- Operating frequency: 918,675 MHz
- Transmitting cycle: 4-99 s (adjustable)
- Transmitting power level: -30 dBm - +5 dBm
- Frequency deviation: +/- 5 kHz

## Mechanics

- Waterproof (IP67)

## ARC integration alternatives

- Display beacon name
- Beacons reference list at ARC

## Sales package content

- TWIG Beacon
- Integrated lithium primary battery 19 Ah
- Printed quick installation & configuration guide

## Options and accessories

- Wireless Configuration Adapter + USB cable



Product images are indicative only, actual product details may differ. Twig Com reserves right to change all information without prior notice. \*Some product versions only. \*\*Beacon range varies substantially depending on building structures etc \*\*\*Operating times may vary substantially depending on environment and the adopted configuration. \*\*\*\*Charging only above 0° C and below 40° C. TWIG is a registered trade mark of Twig Com Ltd. More information: [www.twigcom.com](http://www.twigcom.com)