

twig™

TWIG Protector Pro

Care and control

The Serious Personal Safety Alarm

TWIG Protector Pro is a 3G*/GSM/GPS professional safety device, designed to protect lone workers in demanding environments.

Alert triggers include alarm button, automatic ManDown function, AmberAlert and optional TWIG Button wireless alarm. Predefined emergency protocol transmits last known user position and opens two-way voice connection to alarms receiving centre (ARC).

High-performance GPS receiver with turn-key AGPS feed is complemented with TWIG Beacon indoor location*.

The small and light (94 g) device is rugged and IP67 water proof, providing confidence for the user and unparalleled life cycle economies for the administrator. High-power speaker and vibra ease use in noisy sites.

Excellent operating times even in continuous GPS monitoring are achieved through advanced technology and large-capacity battery.



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 AmberAlert. It can trigger alert in ARC also in absence of GSM connection.****

Attendance monitoring

Register attendance by swiping TWIG Tags.

Power for noisy environments

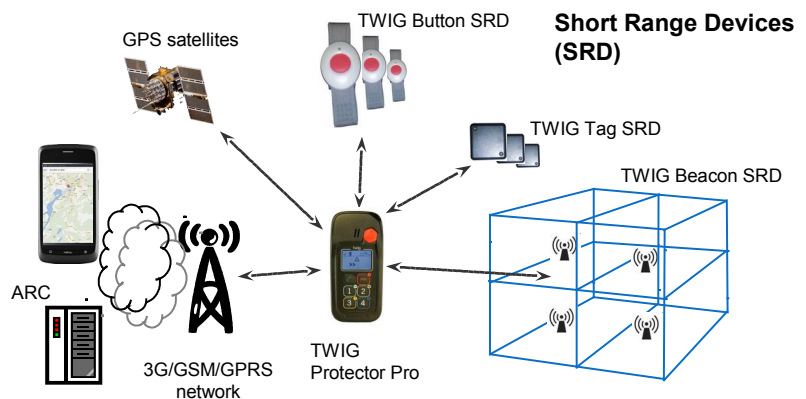
- Integrated high-power speaker-phone boosts two-way voice communications.
- Powerfull vibrating alarm and alarm tones help sensing prealarms and incoming communications.

Power for communications

- Interactive on-screen messages with alert tone and vibra
- Preprogrammed one-touch status messages
- One-touch voice calls

Efficient deployment

Fully remotely configurable, is fast to deploy and flexible to operate. Also USB programmable, either manually or using saved file.



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.

Short Range Devices (SRD)

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TWIG Protector Pro

3G*/GSM/GPRS/GPS DATA SHEET

Compatibility and communication

TWIG Protector Pro can communicate with all systems using MPTP (Mobile Phone Telematics Protocol) both SMS and GPRS. Tracking and alert messages include information on GPS / TWIG Beacon location, speed, heading and battery charge.

Provisioning and security

- Remote or local configuration
- Authorisation of remote and local access

Mechanics

- Water proof (IP67) and shock resistant
- Elastomer grip

Ease of use

- Dedicated ergonomic SOS button
- LCD display with guiding symbols
- Preprogrammable Quick dial / status keys
- AmberAlert key
- ManDown control key
- Answer / End call
- Power On/Off

Key telematics functionality

- Alert through SOS button
- Automatic ManDown alert (tilt, non-motion)
- AmberAlert (timer alert, local + server-based)
- Two-way 3G/GSM voice with speaker option
- Device and user status messages
- Interactive on-screen messages
- GPS / TWIG Beacon SRD tracking*
- Geofence

Brief technical specification

- Dimensions: 28mm x 47mm x 99mm
- Weight: 94g including battery
- Quad-band GSM (850/900/1800/1900MHz)
- 5-band 3G (800/850/900/1900/2100MHz)
- Built-in GSM and GPS antennas
- Operating temperature -20°C..+50°C
- Powerfull alert tones
- Powerfull vibrating alert

GPS*

- High performance 48-channel receiver
- Time to first fix: Hot start 1 s; cold start < 35 s
- AGPS feed: Extended ephemeris over GPRS
 - Configurable opt-out and roaming block
- Extended ephemeris on-board generation
- Motion based GPS control

Operating time

- Rechargeable 1350 mAh Li-ion battery
- Typical operating times, GPS/GPRS reporting**
 - 9 days (1 GPS report / hr)
 - 5 days (1 GPS report / 10 min)
 - 33 hours (1 GPS report / min)
 - 10 hours (1 GPS report / 5 sec)
 - Up to 25 days (GSM standby only)
- Recharging time*** < 3,5 hrs for 100%

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Sales package consists of:

- TWIG Protector Pro unit with integral battery
- Charger of choice (mains / car)
- Quick user guide

Options

- 3G cellular
- TWIG short range devices (SRD) tranceiver

Accessories

- Desk recharging dock
- TWIG Beacon SRD indoor/outdoor location unit*
- TWIG Button SRD external wireless alarm button*
- TWIG Tag SRD active RF tag*
- Leather carrying case
- Car charger + car holder
- USB programming cable



Wrist alert



Desk dock