

# TWIG Protector

The Complete Personal Alarm



TWIG Protector is a complete 3G/GSM/GNSS personal alarm device designed to protect lone workers and those needing care.



- Dedicated alarm device
- ManDown++, Amber alert
- SOS key for panic situations
- IP67 waterproof



#### Small and efficient

- 4 speed dial keys
- LCD display with guiding symbols
- 2-way voice



#### Effective communication in emergency

- Interactive on-screen messages
- Pre-programmed one-touch status messages
- One-touch voice calls



#### Location fusion

- Using all means to find the person in distress
- TWIG Point Netloc and TWIG Point AGNSS
- TWIG Beacon SRD on-site locating devices



#### TWIG product life-cycle economies

- Backwards compatible devices
- Support services
- Engineered and manufactured fully in-house



#### Remote device management

- TWIG Point Remote Configurator
- Saves time and money in customer support

#### Dedicated lone worker alarm

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, enhanced monitoring can be requested with Amber alert. It can trigger alert in ARC also in absence of GSM connection. \*\*\*\*



#### Efficient deployment

Remote configuration makes TWIG device fast to deploy and flexible to operate. Also USB programmable, either manually or from file.

#### Attendance monitoring

TWIG personal alarms register attendance by swiping TWIG Tag RF identifiers.

#### Alarms monitoring and tracking

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

Optionally the TWIG Point Monitor cloud service provides a turn-key solution for alarms monitoring and tracking.

Alarms and reports can also be received on smartphone as SMS with web map link.

twig™

# TWIG Protector

## Technical Specification (TUP92EU)

### Compatibility and communication

- Communicates with all systems using MPTP (Mobile Phone Telematics Protocol) both SMS and GPRS.
- Tracking and alert messages include information on GPS / TWIG Beacon locating devices, speed, heading and battery charge.

### Provisioning and security

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

### Mechanics

- Dimensions: 20 mm x 45 mm x 94 mm
- Weight: 89 g including battery
- Waterproof (IP67) and shock resistant

### Key telematics functions

- Manual alert through SOS key
- ManDown++ alarm with four automatic alert triggers: device orientation and nonmovement, free fall and impact
- Two-way 3G/GSM voice with speaker
- Device and user status messages
- Interactive on-screen messages
- GPS / TWIG Beacon SRD tracking\*
- Geofence

### Key technical features

- Quad-band GSM (850/900/1800/1900 MHz)
- 5-band 3G (800/850/900/1900/2100 MHz)
- Built-in GSM, SRD and GNSS antennas
- Operating temperature -20°C +50°C

### 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 12 days (GSM standby only)
- Recharging time\*\*\* < 4 hrs for 95 %

### GNSS

- High performance 48-channel receiver
- Multi constellation GNSS receiver (GPS, Glonass and Galileo)
- Time to first fix: Hot start 1 s; cold start < 35 s
- Configurable opt-out and roaming block
- Extended ephemeris on-board generation
- Motion based GPS control

### Display and keys

- Dedicated ergonomic SOS key
- LCD display with guiding symbols
- Preprogrammable quick dial / status keys
- Answer / Assistance call
- Power On / Off / End call

### Software and resources

- TWIG Configurator PC app
- TWIG FirmwareLoader PC app
- TWIG Integrator Kit for ARC integration

### Sales package content

- TWIG Protector personal alarm device with integral battery
- Charger with adapter of choice (EU/UK/AU)
- User and safety documents

### Optional device features

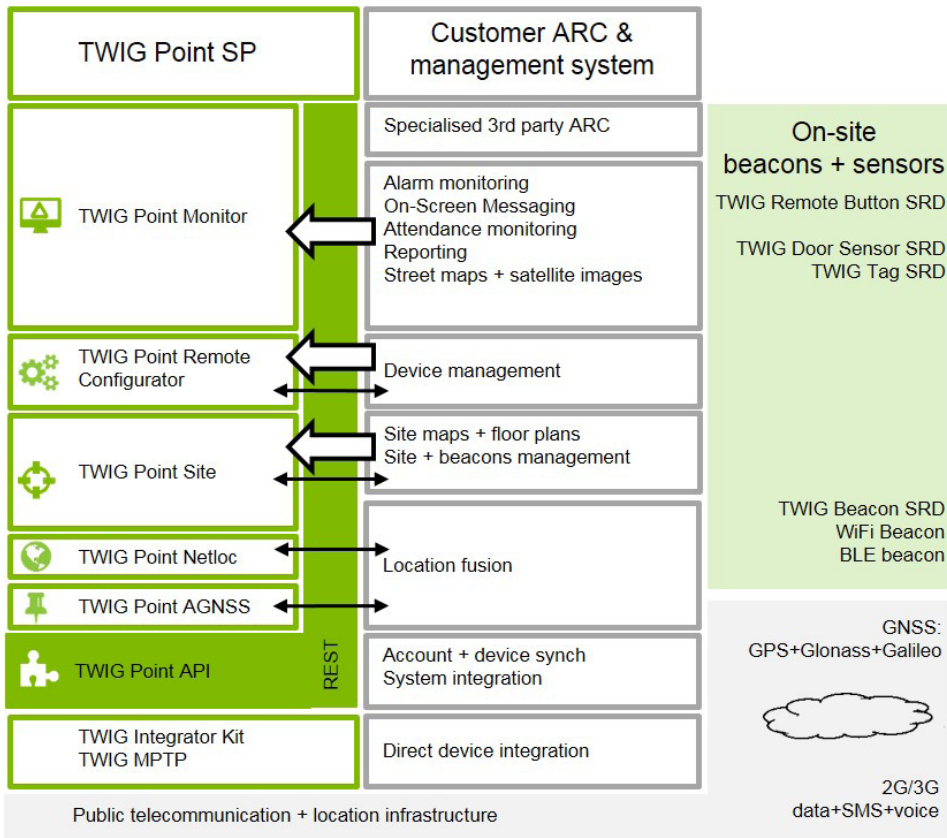
- 3G Mobile Network\*
- SRD (short range device) compatibility\*

### Accessories

- TWIG Beacon SRD locating device\*
- TWIG Button SRD wireless alarm\*
- TWIG Tag SRD RF identifier\*
- TWIG Door Sensor SRD\*
- Charging station
- Carrying case

### TWIG Point SP Services

- TWIG Point Remote Configurator for device settings management over the air
- TWIG Point Netloc service for public space location (cellular + Wi-Fi) and for on-site location (TWIG SRD + Wi-Fi + BLE)
- TWIG Point AGNSS for faster GNSS location
- TWIG Point Monitor for alarms monitoring and tracking
- TWIG Point Site for planning on-site location beacons (SRD, WiFi, BLE) and sensors



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Product images are indicative only. Twig Com reserves right to change all information without prior notice. Communication is only possible within mobile network coverage. \*Optional device feature. \*\*Operating times may vary substantially depending on environment. \*\*\*Charging only above 0°C and below 40°C. \*\*\*\*Requires appropriate central station implementation. TWIG is a registered trade mark of Twig Com Ltd. More information: [www.twigcom.com](http://www.twigcom.com)

