



twig™



Care and control

## Protector

The Ultimate Personal Protection And Surveillance Device

The TWIG Protector is the ultimate GPS/GSM personal protection and surveillance device, designed to protect lone workers, the vulnerable and those needing care.

Small and light, the Protector has been designed in collaboration with the foremost protection and safety specialists from a wide range of industries.

Operated in conjunction with the TWIG desk-top Internet Service ([www.twigworld.com](http://www.twigworld.com)), the Protector is used as a stand alone device. When integrated with the TWIG Discovery phone it offers full mobile monitoring center. In addition, a discreet wrist alarm and Charger Docking converts The Protector into a full home care unit.



Protector

### Lone Worker Protection

Built-in, Man-Down-Alert functionality includes a user-operated alarm button and automated emergency messaging. In the case of a fall or non-movement, a call to predefined numbers alerts emergency rescue services, with accelerometer functionality within the device, automatically transmitting its location.

### Personal Protection

The Protector can be used to ensure personal safety and security. A panic button can be pressed in case of emergency and information on position, direction and speed of movement is sent immediately to a predefined number, establishing communication.

### Long-term Care

New levels of telecare solutions provided by TWIG, enable those with long-term care needs to enjoy independent and active lives. When the Protector alarm button on the device or wrist alarm is activated, a voice call to the care center is made enabling the emergency services to track and trace its owner.

### Personal Surveillance

The Protector offers peace of mind by providing real time information as to the location and status of loved ones. TWIG Internet Services enable friends and family to track and locate those they care for anywhere around the world. Corporate back end systems can be used to connect via SMS or TCP/IP to Twig Protector.

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## Protector

### GSM/GPRS & GPS DATA SHEET

#### Compatible to all TWIG products

The shock and water resistant Protector can communicate with all TWIG devices and support systems using MPTP (Mobile Phone Telematics Protocol) both SMS and GPRS.

#### Mechanics

- Shock proof case
- Water proof (IP67)

#### Other features

- Dedicated ergonomic SOS button
- Power On/Off
- Preprogrammed Quick dialling
- Answer / End call
- Display for device status and operation

#### Brief technical specification

- Dimensions: 18mm x 45mm x 94mm
- Weight: approx. 80g inc. Battery
- Tri-band GSM (900/1800/1900) unit
- Built-in GSM and GPS antennas
- Operating temperature -20°C..+50°C\*\*

#### Battery

- Standard battery Li-ion 1300 mAh
- Stand-by time Up to 260hrs (no GPS)
- GPS op. time Up to:\*
  - 120hrs (1 position/hr)
  - 24hrs (1 position/s)
- Charging time <2hrs for 100%

#### GPS

High performance receiver  
Accuracy ~5m, 95% of time (Open sky)  
Acquisition Rate (Open sky, stationary)

- Cold Start 45sec (typical)
- Warm Start 38sec (typical)
- Hot Start 2-8sec (typical)

Advanced power saving options

#### ATEX- approved:

- II 2 G EEx ib IIB T4
- Zone 1 Category II Gas intrinsically safe temperature class 4

#### Sales package consists of:

- Protector GPS/GSM unit
- 1300 mAh battery
- Charger of choice (mains/car)
- Configuration SW and user manual CD

#### Options

- Man Down Alert
- Non GPS version

#### Accessories

- External Wireless alarm button
- Home Docking unit
- Car charger
- Belt clip\*
- Holder



Protector docking



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