TWIG Easy
The personal alarm for simple use

TWIG Easy is a simple but robust personal safety alarm designed for lone worker protection. Its simple design wraps inside many powerful functions needed in various lone working situations. In addition to familiar automatic and manual alarms, hybrid location both indoors and outdoors, the new TWIG Easy also enables VoLTE calls and remote firmware updates. As the latest TWIG device model it is also compatible with the new generation TWIG accessories.

Lone worker protection functions
- Automatic ManDown detection on fall, tilt or impact
- Distinct and tactile SOS key for panic situations
- 2-way hands-free voice calls
- SOS cycle with 10 preprogrammable numbers
- Tracking and locating indoors and outdoors

Hybrid indoor / outdoor location
- Satellite positioning with 3-constellation GNSS
- TWIG Point AGNSS service for faster location fix
- Hybrid indoor location with TWIG SRD, Wi-Fi and Bluetooth Low Energy (BLE) beacons (SRD3 device option)
- TWIG Point Netloc service for public space location (cellular network + free Wi-Fi base stations)
- TWIG Point Netloc service for on-site location (TWIG SRD beacons + commercial Wi-Fi base stations + BLE beacons)

Effective communication in emergency
- 2G/3G/4G*
- Interactive on-screen messages
- One-touch assistance call
- Vibrating alerts and hands-free calls
- VoIP calls and data transfer via Wi-Fi*

Robust and ergonomic
- Slim, light and user-friendly
- Easy to wear with belt clip
- Robust nano SIM card tray

Sustainable product life-cycle
- Backwards compatible with previous TWIG devices
- Improved device maintenance
- Engineered and manufactured fully in-house

Remote device management
- TWIG Point Remote Configurator
- Saves time and money in customer support
- Firmware over the air (FOTA)
- Access with TWIG Point SP web account

Lone worker safety
Duty of care requires employers to give lone workers means to alert help. Depending on risk assessment, a dedicated alarm device may be required. An automatic Mandown alarm is sent when device user falls or is not moving. When entering a risky situation, enhanced monitoring can be requested with Amber alert. TWIG Easy can trigger alert via Wi-Fi* in absence of mobile network connection. Data transfer via WiFi is available only with SRD3 option of latest device versions.

Indoor positioning
Lack of satellite connection and the requested accuracy of indoor location require a different solution for indoor positioning.

With the SRD3 option the TWIG Easy can be located indoors with compatible TWIG SRD beacons, Bluetooth Low Energy beacons or Wi-Fi base stations installed in the building.

Firmware over-the-air
With remote configuration possibility TWIG Easy is fast to deploy and flexible to operate. Device is also USB programmable, either manually or from file. Also the device firmware can be updated over-the-air or from file by connecting device to computer with USB cable.

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.

Compatible accessories
TWIG Easy is compatible with all new F-series accessories: charging and programming stations, belt clip, carrying case, charging adapter and car charger.

Ease of use
The new TWIG Easy is an upgraded version of the previous TWIG Protector EasyS model. As its predecessor, TWIG Easy is a perfect choice for lone worker situations where simplicity and user-friendliness are a must.

Compatibility and communication

• Communicates with all systems using MPTP (Mobile Phone Telematics Protocol) both SMS and DATA (IP).
• Tracking and alert messages include information on satellite positioning, TWIG SRD beacons, speed, heading and battery charge.

Key telematics functions

• Manual alert through SOS key
• Mandown alarm* with 4 automatic alert triggers: device orientation, non-movement, impact and free fall
• Two-way voice over 4G/3G/GSM/Wi-Fi with speaker
• VoIP calls and data transfer via Wi-Fi* (VoIP calls via 3rd party application, support only 2.4 GHz Wi-Fi network)
• Device and user status messages
• Interactive on-screen messages
• GNSS satellite positioning
• TWIG Beacon SRD / Wi-Fi / BLE location*
• Geofence

Key technical features

• GSM: 900/1800 MHz
• WCDMA: Bd.1 (2100MHz)/Bd.3 (1800MHz)/Bd.5 (850MHz)/Bd.8 (900MHz)
• LTE-FDD: Bd.1 (2100MHz)/Bd.3 (1800MHz)/ Bd.5 (850MHz)/Bd.7 (2600MHz)/Bd.8 (900MHz)/ Bd.20 (800MHz)/Bd.28 (700MHz)
• LTE-TDD: Bd.38 (2600MHz)/Bd.40 (2300MHz)
• Built-in GSM, SRD*, GNSS, WiFi*, BLE* antennas
• Speakerphone with 2 microphones
• Vibrator

Mechanics

• Dimensions: 102,2 mm x 49,2 mm x 19,7 mm
• Weight: 89,5 g including battery
• Water and dust proof (IP67), shock resistant
• Solid tactile touch with membrane keypad

Display and keys

• Dedicated ergonomic SOS key
• LCD display with guiding symbols

Provisioning and security

• Remote or local configuration
• Authorisation of remote and local access
• SSL/TLS secured server connection

Operating time and temperature

• Rechargeable 1350 mAh Li-ion battery
• Typical operating times, GNSS satellite positioning/cellular data reporting**
• 9 days (1 report / hr)
• 5 days (1 report / 10 min)
• 33 hours (1 report / min)
• 10 hours (1 report / 5 sec)
• Up to 12 days (cellular network standby)
• Recharging time*** < 4 hrs for 95 %
• Operating temperature -20°C +50°C

Satellite positioning system

• High performance multi constellation GNSS receiver (GPS, Glonass and Galileo)
• Time to first fix: warm start <10 s; cold start < 35 s
• Configurable opt-out and roaming block
• Extended ephemeris on-board generation
• Motion based GNSS control

Software and resources

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

TWIG Point turn-key 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 (free of charge)
• TWIG Point Monitor for alarms monitoring and tracking
• TWIG Point Site for site planning and management

Standard sales package

• TWIG Easy personal alarm device with GNSS positioning function, mandown alarm and integral battery
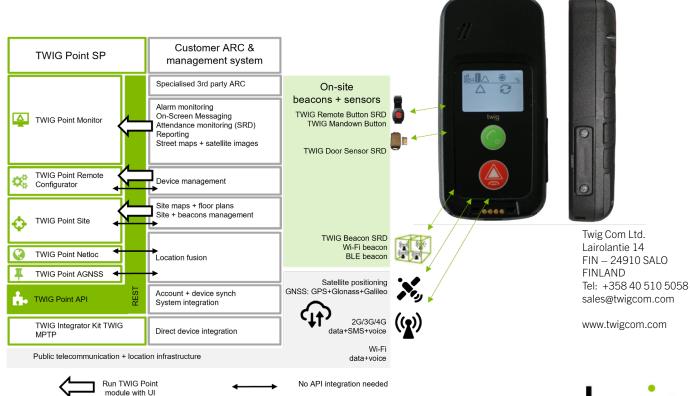• Charger with adapter of choice (EU/UK/AU)

Optional device features

• 2G/3G/4G mobile network*
• Wi-Fi only (without mobile network)*
• SRD3* for device compatibility with TWIG short range devices (SRD), VoIP calls and data transfer via Wi-Fi (only latest device versions of TLP53EU) and location and BLE beacons

Accessories

• Charging and programming stations
• Charging adapter
• Belt clip
• Carrying case
• Car charger
• TWIG Beacon SRD*
• TWIG Remote Button SRD*
• TWIG Door Sensor SRD*
• TWIG Mandown Button SRD*

TWIG Point SP	Customer ARC & management system
TWIG Point Monitor	Specialised 3rd party ARC
	Alarm monitoring / On-Screen Messaging / Attendance monitoring (SRD) / Reporting / Street maps + satellite images
TWIG Point Remote Configurator	Device management
TWIG Point Site	Site maps + floor plans / Site + beacons management
TWIG Point Netloc	Location fusion
TWIG Point AGNSS	
TWIG Point API	Account + device synch / System integration
TWIG Integrator Kit TWIG MPTP	Direct device integration

Public telecommunication + location infrastructure

On-site beacons + sensors
TWIG Remote Button SRD
TWIG Mandown Button
TWIG Door Sensor SRD
TWIG Beacon SRD
Wi-Fi beacon
BLE beacon

Satellite positioning GNSS: GPS+Glonass+Galileo

2G/3G/4G data+SMS+voice

Wi-Fi data+voice

⟵ Run TWIG Point module with UI

⟷ No API integration needed

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