

THE TWIG ONE ATEX

Twig One ATEX is an intrinsically safe personal alarm device, that is optimised for lone workers working in potentially explosive environments.



How it works

The diverse range of lone worker environments means a growing demand for lone worker devices, apps and accessories. The Twig One ATEX is a powerful lone worker device with high power speaker that boasts two-way communication and powerful vibrating and alerting alarms that help to notify lone workers of an alarm in noisy working conditions.

A simple press of the large panic button will raise an alarm in the LONEALERT O.W.L. and open an audio channel to our dedicated response team.

If you don't use our response team, LONEALERT will initiate the calls, SMS and email notifications that you have designated as part of your response.

A serious choice for heavy duty applications:

- On screen confirmation messages with built in GPS receiver and indoor location.
- Allows lone workers to carry out their daily job role with added peace of mind, regardless of how noisy or dusty the working conditions may be.
- Durable, rugged and waterproof with automatic ManDown detection on fall, tilt or impact.
- The Twig One Ex is ATEX/IECEx approved and can be used in hazardous and potentially explosive environments

High Performance

Powerful yet lightweight with built in
GPS & GSM antennas

POWERFUL & ROBUST

Powerful vibrating and alerting alarms to alert workers of preset alarms and incoming communications.

FULLY CUSTOMISABLE

This device is fully customisable. For example, the duration of the countdown can be changed to 30, 90, 120 seconds or even turned off depending on your requirements. The device can also be set to VIBRATE for panic and alerts.

Waterproof

Protection against the effects of the immersion in water between 15cm and 1m for 30 minutes

Dust proof

Dust tight. No ingress of dust

IP67 RATED

INDOOR POSITIONING

In many building the GNSS (Global Navigation Satellite System) signals are blocked and so the location of your lone worker is not known. The Twig One allows indoor locating through the SRD3 option which enables accurate location through using necessary bolt-ons such as RF Door tags, to record when rooms are entered and left, and beacons, to allow large areas to be subdivided. Both of which help you locate lone workers in need of assistance more quickly.



How LOUD are the alerts?

The Twig One ATEX is loud enough to be heard over machinery and back ground noise where hearing protection is often worn for extremely loud

environments. The vibration feedback to the user is powerful enough to be felt through several layers of clothing.

*NB A sim card is needed for the device to work. Speak to us to find out more.

For more information about The Twig One ATEX

Contact your Account Manager or call 0330 999 8484

0330 999 8484 | enquiries@lonealert.co.uk | www.lonealert.co.uk

© All rights reserved. 2020. Advance IT Solutions Ltd.

LONEALERT
Overseeing Working aLone

Compatibility and Communications:

- Communicates with all systems using MPTP (mobile phone telematics protocol) both SMS and GPRS (IP).
- Tracking and alert messages both include information on satellite positioning, TWIG SRD beacons, speed, heading and battery charge.

Mechanics:

- Dimensions: 102.1mm x 48.9mm x 24.6mm
- Weight: 114g including battery
- Water and dust proof (IP67) shock resistant
- Firm grip with tactile silicone keypad

Standard Sales Package:

- TWIG One 2G/3G/4G personal alarm device with ManDown alarm and GNSS functions and integral battery.
- Charger with adapter of choice (EU/UK/AU)

Operating Time:

- 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 mins)
- 33 hours (1 report /min)
- 10 hours (1 report/ 5 sec)
- Up to 12 days (cellular network standby)
- Recharging time < 4hrs for 95%
- Operating temperature -20°C +50°C

Atex/IECEX approved:

- II 2 G Ex ib IIC T4 Gb
- II 2 D Ex ib IIIC T130° Db
- Ta: -20°C..+60°C
- EESF 20 ATEX 045X /
IECEX EESF 19.0020X

Satellite positioning system:

- 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 GNSS control

Key technical features:

- GSM/GPRS/EDGE: Dual band 900/1800MHz
- UMTS/HSPA+: Dual band 900 (BdVIII) / 2100MHz (Bd1)
- LTE (VoLTE not supported): Penta band 700 (Bd28) / 800 (Bd20) / 900 (Bd8) / 1800 (Bd3) / 2100 MHz (Bd1)
- Built-in GSM, SRD, GNSS, WiFi, BLE, NFC antennas
- Speakerphone with 2 microphones
- Powerful vibrator

Bolt Ons

- Charging and programming stations
- DIY kit for alterable SOS key colours
- Belt clip with mounting screws and brace
- Ex Carrying case
- Car charger
- TWIG Beacon SRD
- TWIG Door Sensor SRD

