

Beacon TECHNICAL DATA SHEET

Indoor Lone Worker Alarms Solution

The **LoneAlert** Beacon system is designed to locate distressed or injured persons inside areas where GPS is not reliable and other methods do not provide needed accuracy.

LoneAlert personal alarms devices are located within a microcell network of RF transmitters, laid out to meet position accuracy requirements.

Throw beacons in place with large-capacity integrated battery. Or plug in mains outlet with internal backup battery, for even lower maintenance. Over-the-air configuration facility makes setting up the system easy. IP67 water-proof housing allows installation in demanding environments.

Lone Worker Protection

Duty of care requires employers to give lone workers means to alert help. Depending on the risk assessment, a dedicated alarm device may be required. Automatic ManDown function can trigger the alert also in case the user is incapacitated, opening two-way voice to ARC and transmitting latest GPS and **LoneAlert** Beacon position information with timestamps.

Application examples

- Lone worker protection
- Personal protection
- Telecare
- Asset security

Short-range RF beacons

- Location determined using Beacon signals
- Complement GPS location indoors
- Transfer alerts outside of GSM coverage****

Small, easy and affordable

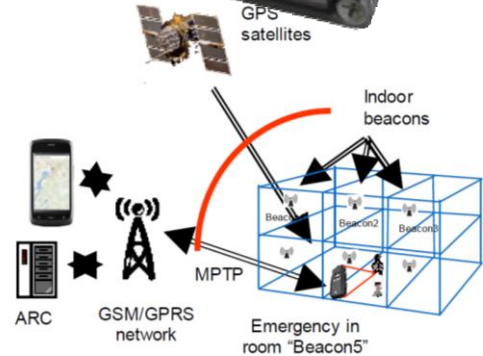
- Discreet design
- Throw in place, or plug in mains outlet*
- Wireless configuration
- Scalable coverage up to 2000 m2 per beacon**
- Add beacons for increased resolution
- No location server system required

Compatibility and communication

LoneAlert Beacon works with LoneAlert Man Down Plus equipped with the LoneAlert Beacon Transceiver -option: Beacon data is transmitted from LoneAlert device to ARC in MPTP (Mobile Phone Telematics Protocol) messages, over SMS or GPRS.

Brief technical specification

- Dimensions: 125mm x 75mm x 60mm
- Weight: from 250g depending on battery option
- Operating temperature -20°C..+50°C
- Power supply alternatives:
Lithium primary battery 17Ah
Mains supply and rechargeable 1300 mAh lithium ion backup battery****
- Operating time: 2 years*** (typical, with lithium primary battery)
- Operating frequency: 869,675 MHz
- Transmitting cycle: 1-99s (adjustable)
- Transmitting power level: -30dBm - +10dBm
- Frequency deviation: +/- 5kHz



Mechanics

- Waterproof (IP67)

ARC integration alternatives

- Display beacon name
- Beacons reference list at ARC
- Location server for triangulation****

Sales package consists of:

- LoneAlert Beacon
- Choice of:
Integrated lithium primary battery 17Ah
Mains supply and rechargeable 1300 mAh lithium ion backup battery
- Printed quick installation & configuration guide

Options and accessories

- Wireless Configuration Adapter + USB cable
- ATEX compliant beacon****
- Transfer alerts outside of GSM coverage****

Some of the features and services described in this datasheet are subject to country roll out and might not be available during the launch. Please consult Advance IT Group for details
*Actual device may look different than image from colours or keypad layout.

Advance IT Group reserves rights to change all this information without prior notice. **Beacon range varies substantially depending on building structures etc ***Operating times may vary substantially depending on environment and the adopted configuration.
****Charging only above 0°C and below 40°C. ****Future option.
ATEX approved version is optional product, **** Not available in versions sold in USA/Canada