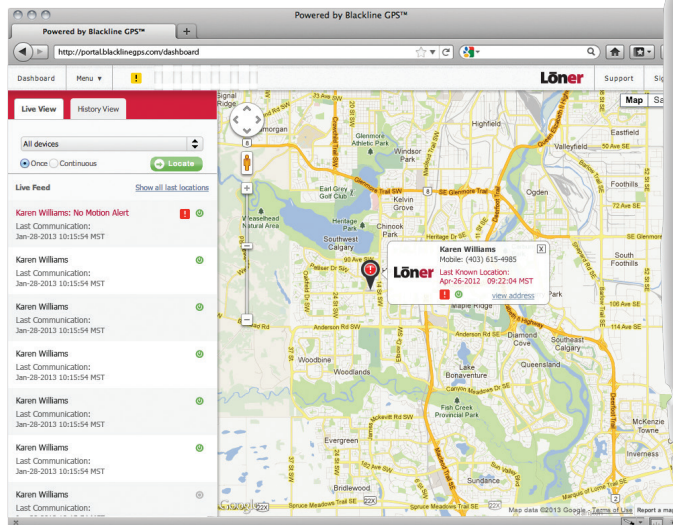




Employee Safety Monitoring Device



Intrinsically safe for hazardous environments

Mobile personnel often work in uncontrolled environments that pose countless threats to worker safety. Loner remote safety monitoring solutions from Blackline GPS deliver simple, economical, and non-intrusive tools to monitor workers' ongoing safety and manage an efficient emergency response whenever needed.

Loner® IS incorporates patent pending technology and is the first dedicated remote monitoring safety device that is Class I, Division 1 intrinsically safe. It complies with work alone safety legislation mandated in some jurisdictions and is easy-to-use. Your organization has a unique structure and processes—Loner solutions accommodate rather than impose upon your business.

Featuring micro-electro-mechanical sensors, Loner IS delivers the world's first True Fall Detection® technology within a remote worker safety monitoring solution. Internal accelerometers and gyroscopes not only detect falls but also trigger a safety alert in a man-down situation when a worker becomes motionless.

Rather than incorporating an emergency button that may be difficult to press when needed, Loner IS incorporates an intuitive emergency latch that makes it easy for the worker to call for help at any time while minimizing false alerts.

All safety alerts communicated to monitoring personnel include the geographic location of the worker in distress for immediate and efficient emergency response.

Monitoring options include email, SMS, web portal, and Loner Web Service alerting that provides a call center-friendly interface.



Intrinsically Safe

Class I, Division 1 & Class II, Division I Certified



True Fall Detection® & Alerting

Differentiates falls from other activity



Emergency Latch & Alerting

Help is a latch-release away



Motion Monitoring & Alerting

Lack of worker motion generates a safety alert



Check-in Monitoring & Alerting

Optional missed worker check-in generates safety alert



GPS Locating

Unlimited live, continuous, and scheduled locating



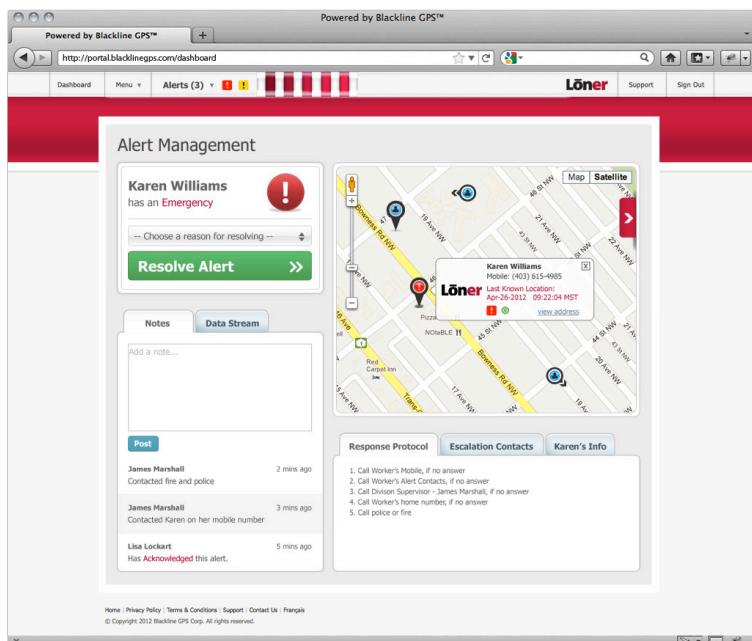
Ultimate Sense® Technology

High sensitivity GPS antenna for weak signal coverage



Rechargeable Battery

10 hour battery life before recharging



Loner Portal account – alert management page

Benefits

- Improves safety awareness of remote workers.
- Quickly mobilize an emergency response by mapping worker locations in Loner Portal.
- Real-time safety alerting increases awareness of safety incidents.
- Achieves regulatory compliance as required in some regions.
- Reduces mobile worker anxiety about safety.
- An automated system that does not require manual worker check-in.
- Immediate alert is triggered when the worker is incapacitated.
- High capacity 1000 mAh battery provides 10 hour operation.
- Customizable location scheduling provides bread-crumbs of worker locations.
- Easy training for workers and monitoring personnel.
- Affordable for small both business or enterprise deployment.

Advantages

- Loner Background Services alert monitoring personnel even when Loner Portal is not used.
- Call-out list provides multiple layers of alerting to ensure an incident is addressed.
- Loner Web Services enable software developers to integrate safety monitoring within a call center.
- Easy-to-use web-based Loner Portal for efficient mapping and setup.
- Customizable Loner Portal account implementation for diverse customer needs.
- Sharing of Loner devices across multiple Loner Portal user accounts.
- Firmware upgradable over-the-air accommodates future enhancements.
- Web-hosted Loner Portal user account. No software to install.



Specifications

Size & Weight

Size: 63 mm W x 107 mm L x 22 mm D (2.48"W x 4.213"L x 0.87"D)
Weight: 120 g (4.2 oz)

Safety Features

Fall detection technology: Tri-axis accelerometers, tri-axis gyros, plus software processing
Emergency latch: Release latch to trigger emergency alert
Worker motion monitoring: Configurable time window (1 – 10 min)
Worker check-in (optional): Required check-in period (5 – 180 min)

Buttons & Indicator Lights

Power button: Power on/off
Acknowledge button: Check-in/Silent emergency/Cancel pending alerts/Acknowledge alerts
Emergency latch: Send emergency alert
Red indicator light array plus vibration and buzzer: Safety alert triggered
Green indicator light: Blinking (powered), continuous (connected)

User Notification

Indicators: Acoustic buzzer, LEDs, and vibration motor
Acoustic buzzer sound pressure level: ~90 dB @ 10 cm (~90 dB @ 3.94")

Wireless Communication

Radio: Quad-band GSM/GPRS (800, 900, 1800, 1900 MHz)
Antenna: Internal quad-band
Bidirectional communication with firmware upgrade over-the-air (FOTA)

Assisted GPS

Radio: 20 channel high sensitivity, mobile assisted
Antenna: Internal Ultimate Sense 2nd GPS antenna for weak GPS signal conditions
Accuracy: ~5 m (16 ft) outdoors, ~50 m (165 ft) indoors
Real-time location turnaround time: ~20 seconds

Alert Messages

Fall detected/Emergency/No-motion/Missed check-in/Low battery/Power off/Silent emergency

Mobile Messaging Methods

Email, text message (SMS)

Power & Battery

Rechargeable Li-ion battery: 750 mAh capacity
Battery life: 10 hours continuous operation
Charging connector: 4 pin sealed connection

Environmental

Storage temperature: -30°C to 75°C (-22°F to 167°F)
Operating temperature: -20°C to 55°C (-4°F to 131°F)
Charging temperature: 0°C to 45°C (32°F to 113°F)
Ingress Protection: Designed to meet IP65

Regulatory Compliance

FCC, IC EU limits, Contains: FCCID W77BLIGSM1, IC 8255A - BLGSM1, CE 0682, Specific Absorption Rate, Certified Intrinsically Safe: Class I, Div. 1, Groups A, B, C and D, Class II, Div. 1, Groups E, F and G

Device Requirements

Activated service plan, wireless communication coverage, GPS coverage for GPS locating

Warranty

One year limited factory warranty. Wireless coverage and activated service plans.

Loner Portal Web Application

Features Include: Alarm banner, event history, device location mapping, device management, alert & notification settings and more.

Wireless Coverage and Activated Service Plans

Wireless coverage: Nearly 150 countries.