

Data Sheet

Loner M6



LONE WORKER SAFETY IN DEMANDING APPLICATIONS

Global safety monitoring solution with 3G wireless

The Blackline Safety Loner® M6 device wirelessly monitors the safety of employees, including lone workers, and alerts monitoring personnel in real-time if the unexpected occurs. Responding to your employee's exact location is fast and confident with a live-map and two-way voice calling.

Designed for industrial applications, Loner M6 incorporates cellular communications, an industrial-grade speakerphone, a LiveResponse™ light that confirms that help is on the way, assisted GPS, automatic incident detection and manually-triggered safety features. Loner M6 features durable hardware to ensure your workers are safe in all environments. It is also compatible with Blackline's location beacon positioning technology to map an employee's location inside facilities where GPS signals are imprecise or unavailable. The Loner M6i is available with all the features of the standard Loner M6 but is also intrinsically safe to enable use in hazardous environments.

All of Blackline's solutions are wireless, software and infrastructure-free for easy implementation and a seamless user experience.

Features



Fall Detection



Two-way Voice Calling



No-Motion Detection



Indoor Location Compatible



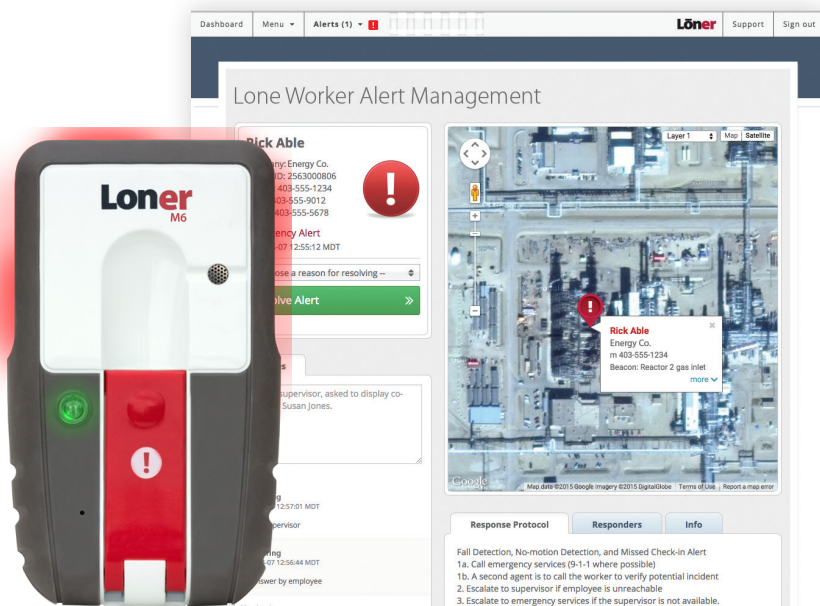
SOS Alert



Check-in



GPS Location



Blackline Live safety monitoring account – alert management page

Alert Messages

Fall detected, emergency latch, silent emergency motion, missed check-in, low battery, log-on, power off

Power & Battery

Rechargeable Li-ion battery: 1250 mAh Li-ion
 Battery Life: 20 hours continuous operation at 20° C (68° F)
 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

Approvals

FCC Part 15 Subpart B, FCC ID: XPYSARAU260, Industry Canada 8595A-SARAU260
 BS 8484: 2011 accredited

Device Requirements

Blackline Safety service plan, 3G wireless communication coverage, GPS signal coverage required for GPS locating, Loner Beacon signals for precise indoor positioning

Environmental

Storage temperature: -30°C to 75°C (-22°F to 167°F)

Warranty

One-year limited factory warranty

GSM Wireless coverage

Wireless coverage: ~200 countries

Blackline Live Web Application

Features include: Alarm banner, initiate voice call, event history, device location mapping, device management, alert and notification settings, and more.

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DETAILED SPECIFICATION

Size & Weight

Size: 63 mm x 107 mm x 22 mm (2.48" x 4.213" x 0.87")
 Weight: 137 g (4.8 oz)

Safety Monitoring Features

Fall detection technology: Tri-axis accelerometer, tri-axis gyro, software processing
Emergency latch: Pull latch to trigger alert
Silent emergency: Press & hold check-in button to trigger alert
Worker motion monitoring: Configurable time window (1–30 min, or off)
Worker check-in: Required check-in period (5–180 min, or off)
Voice calling: Two-way and one-way (listen-only) phone calling (requires a voice-enabled service plan)

Buttons & Indicator Lights

Power button: Power on/off
Check-in button: Check-in/silent emergency
Emergency latch: Send emergency alert
Red indicator light array plus vibration and beeper: Safety alert triggered
Blue indicator light array plus vibration and beeper: Incoming voice call

Blue indicator light: Alert has been acknowledged in the portal
Green SureSafe light: Blinking (powered), continuous (connected)

User Notification

Indicators: Speaker, LEDs, and vibration motor
 Speaker sound pressure level: ~90 dB @ 10 cm (~90 dB @ 3.94")
Voice calling: Speakerphone and phone modes

Wireless Communication

Radio: Dual-band 3G (900, 1800 MHz)
Antenna: Internal dual-band
Bidirectional data communication: Yes
Firmware upgrade over-the-air (FOTA): Yes

Location Technology

GPS Radio: 48-channel high sensitivity, mobile assisted
Assisted GPS: Yes
GPS Accuracy: ~5 m (16 ft) Outdoors
GPS Real-time location turnaround time: ~20 seconds
Loner Beacon compatible: Yes



For further information please contact us on:
 Tel: 0800 840 7121
 email: info@relianceprotect.co.uk
 www.relianceprotect.co.uk



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