

INTRINSICALLY SAFE

Loner

M6i



MONITOR LONE WORKERS, EVACUATE SITES & FACILITIES

Global safety monitoring solution with 3G wireless

The Blackline Safety Loner® M6i 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. The device empowers your team to evacuate sites and facilities with mass notifications, accounting for the location of each worker during the process on the Blackline Live monitoring portal. Employees receive a visual, audible and vibration-based alarm on their device plus voice-message evacuation instructions.

Designed for industrial applications, Loner M6i 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 M6i features intrinsically safe 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.

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

24/7 live monitoring for highest responsiveness

Our Gold service plan delivers around-the-clock live safety monitoring, leveraging Blackline's in-house Safety Operations Center or one of our Alarm Receiving Center partners. Blackline's Silver service plan enables organizations to self-monitor their lone workers using the cloud-hosted Blackline Live portal. All features on the device are configurable on the portal to best fit your specific work environment needs. Blackline Safety is British Standard 8484: 2011 accredited.

Features



Intrinsically safe



Fall detection



No-motion detection



Two-way voice calling



SOS Alert



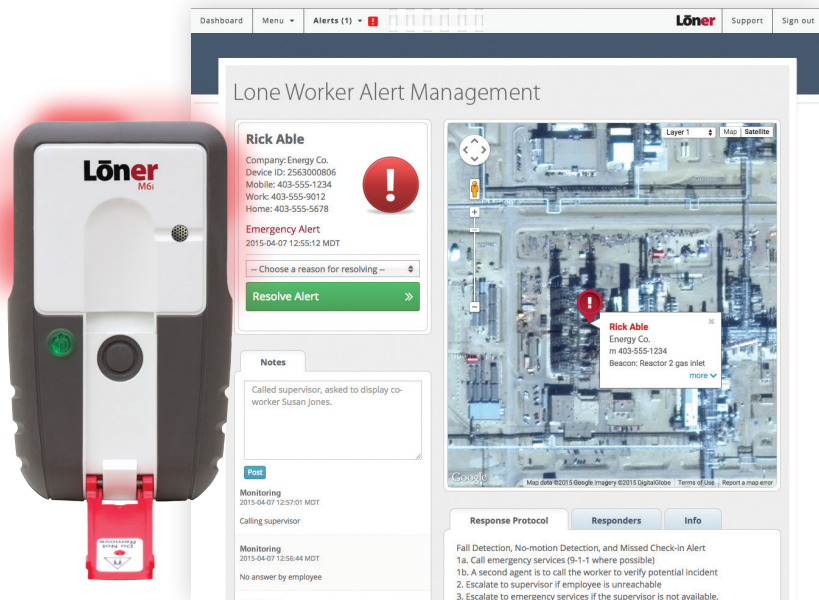
Check-in



GPS location



Indoor location compatible



Blackline Live safety monitoring account – alert management page

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

Alert Messages

Fall detected, emergency latch, silent emergency no-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

Class I Div 1 Group A-D
 Class I Zone 0 AEx ia IIC T4
 ATEX: CE Ⓜ II G Ex ib IIC T4 Gb
 IECEx: Ex ib IIC T4 Gb
 FCC Part 15 Subpart B, FCC ID: XPSYARAU260, 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

Wireless coverage and service plans

Wireless coverage: ~200 countries
Service plan options: Silver (for self-monitoring) and Gold (24/7/365 live monitoring included), with and without voice calling, contact Blackline for further details

Blackline Live Web Application

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

*All specifications subject to change without notice.
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