

Lōner DUO



Monitor Employee Safety with Wearables

Enhances the Loner Mobile safety monitoring application

Employees face every-day risks in the workplace and an employer's emergency response capability is put to the test when an incident occurs. To call for help, smartphone safety monitoring applications all share the same Achilles' Heel—they require the phone to be within arm's reach, they need to be unlocked, the safety app needs to be brought to the foreground, and a control requires user input. In the real world, this isn't a practical life safety solution for all applications.

Blackline's Loner® Duo is a ground-breaking wearable enhancement that addresses this safety monitoring app shortfall. It pairs with a smartphone using low-power Bluetooth® Smart technology and empowers Blackline's Loner Mobile app with rigorous safety monitoring features equivalent to dedicated devices from Blackline Safety.

Loner Duo incorporates an intuitive emergency latch that makes it easy for the worker to instantly call for help while keeping false alerts to an absolute minimum. Featuring internal accelerometers and gyroscopes, Loner Duo detect falls and man-down (motionless) incidents with real-time alerting to monitoring personnel.

Loner Duo continuously monitors the user's safety in conjunction with the Loner Mobile application. All Loner Duo safety alerts are communicated through the smartphone's data connection through the Loner Mobile application. All safety alerts include the employee's precise location, computed by the smartphone's internal location services.

Protect the safety of your workforce with Loner safety monitoring solutions.



Emergency Latch & Alerting

Instant request for help by releasing latch



True Fall Detection® & Alerting

Differentiates falls from other activity



Motion Monitoring & Alerting

Lack of worker motion generates a safety alert



SureSafe™ Monitoring Light

Confidently know when safety is monitored



Rechargeable Battery

Over one work-day of battery life before recharging



Bluetooth® Smart

Low-power wireless communications with smartphones



Safety Smartphone App

Enhances Blackline's Loner Mobile



Loner Duo complements the Loner Mobile safety monitoring application

Highlights

- Provides users with an immediate method to request help by pulling the physical emergency latch
- Ideal enhancement to Loner Mobile for medium to high risk user applications
- Lightweight and easy to wear
- Supports leading smartphones featuring Apple® iOS®, Google® Android™, and BlackBerry® 10 OS operating systems
- Maximizes the safety feature-set of smartphones using Loner Mobile
- Improves safety awareness of mobile 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.
- Easy training for workers and monitoring personnel.
- Compatible with BlackBerry smartphones.
- Affordable for small business and scalable for enterprise deployment.
- Loner Background Services alert monitoring personnel even when Loner Portal is not used.
- Call-out list provides multiple layers of alert 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.
- Web-hosted Loner Portal user account. No software to install.

Specifications

Software compatibility

Loner Mobile version 3.x for BlackBerry

Size & Weight

Size: 51 mm W x 32 mm H x 62 mm L (2.01" x 1.26" x 2.44")

Weight: 75 g (2.65 oz)

Safety Features

Fall detection technology: tri-axis accelerometer, tri-axis gyroscope, plus software processing; **Emergency latch:** Release latch to trigger alert; **Worker motion monitoring:** Configurable time window (1 – 10 min); **Worker check-in (optional):** Check-in period (5 – 180 min)

Buttons & Indicator Lights

Power button: Power on/off

Acknowledge button: Check-in

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

Bluetooth version 4.0

Alert Messages

Fall Detected, Emergency, No-motion, Missed Check-in, Low Battery, Power off

Power & Battery

Rechargeable Li-ion battery: 350 mAh capacity

Battery life: 12 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)

Ingress Protection: Designed to meet IP65

Regulatory Compliance

CE, FCC, IC, RoHS, SAR | FCC ID: W77LNRDUO, IC: 8225A-LNRDUO

Device Requirements

Activation within Loner Portal, service plan, must be paired to a smartphone, Loner Mobile must be installed on the smartphone, Loner Mobile must be activated within Loner Portal, Loner Mobile service plan, GPS or Wi-Fi coverage for locating, GSM communications

Warranty

One year limited factory warranty.

Loner Portal Web Application

Features Include: Alarm banner, event history, device location mapping, device management, alert & notification settings and more | **Comprehensive safety alert lifecycle management:** includes alert configuration profiles, safety protocol, and emergency contacts