

E-Box [EB-200]

State of the art, easy to use,
one-touch Worker Safety System.

The Canadian Government has passed laws requiring companies to ensure the safety of lone workers by providing them with communications devices. Cell phones do not work in most of Canada, especially in remote areas, and satellite phones do not work indoors because they do not have line-of-sight to a satellite.

However the Helios solution involves an E-Box which normally sits in the worker's vehicle and is in constant touch with an employer through the Helios 360° mapping platform. The employee or a contractor wears an intrinsically safe SuperCell handset which can be activated at the touch of a button or, when the user fails to move the accelerometer in the handset sends a signal that the worker is not moving.

The E-Box works either off a 12 Volt socket in the truck or a backup battery which will operate up to 13 hours without recharging. The E-Box can also be carried in a small backpack. The E-Box will communicate with either GSM cellular networks or one of many Inmarsat satellites which cover the globe. This will insure that your employees always have coverage no matter their location.

As the E-Box should always be outside of a building with a view of the satellite, the SuperCell inside the building with a worker can communicate with the E-Box and send an alarm via satellite.



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LONE WORKER SAFETY SYSTEM



E-Box Worker Safety System

Why the Helios Wireless E-Box?

Most lone worker safety devices operate either by satellite or cell phone, and are located with the worker. However, if a worker is injured in a building, chances are the worker is outside the 15% of Canada (or 85% of the U.S.) covered by cell phones, and the worker's satellite phone cannot send signals from inside the building. However the Helios system can and help will be summoned immediately.



Dependable Communications

The newest Helios worker safety product is the EB-200 consisting of an E-Box and up to four SuperCells which can support four workers at a single site, and alert the other three if a single member of their team is incapacitated. The E-Box is a unique system designed for workers in hostile or remote environments, and includes rechargeable batteries which operate up to 13 hours in case the E Box in a vehicle or ATV loses power, or if it is being used as a portable device. The SuperCell rechargeable battery is good for 80 hours of use.

The network operates through the Helios 360° mapping platform which provides information on the location of any user either by GPS coordinates or oil & gas industry mapping coordinates known as LSD. Helios's user-friendly mapping platform allows the client to monitor, via internet, any device in real-time. Incident alarms can be relayed to supervisors via e mail or SMS negating the need for constant monitoring. Some customers rely on call centres to provide monitoring.

Life saving technology

Helios Worker Safety systems are in operation in both Canada and the U.S., with customers as diverse as major oil, commodity and utility companies. The EB-200, includes the following special features:

- Transmission of up to 20 canned messages between worker and supervisor
- Out of range alarm when worker's SuperCell is out of touch with the EB-200
- Roll Call function requesting a specific user to respond
- Intrinsically safe SuperCell (does not spark)
- PAR (Personal Responsibility Checks) - user must respond at preset intervals
- Communication to a worker's supervisor via SMS, email, or call centre which can raise the alarm if a worker is down.
- Light and easy to use (5 lbs / 2.3 kg)
- Rechargeable 13 hour battery pack

Peace of mind

From harsh, remote areas, mobile environments, ports or plant facilities, instant notification offers the highest level of safety and security to at-risk personnel. Knowing that help can be on the way within minutes provides a greater sense of freedom and peace of mind.

SUPERCELL PERFORMANCE SPECIFICATIONS

- Rechargeable SuperCell - 80 hours on full charge
- Out of Range notification
- SuperCell is Intrinsically Safe (UL913 Certified)
- SuperCell meets CSA standard C22.2 NO.157 for use in hazardous locations
- SuperCell is environmentally protected (IP67)
- Rugged construction
- Operates in license-free wireless band