

Lone Worker Alarm

...the easy, cost effective way to protect your staff when they are working alone!

(if you have staff working alone, by law, you must take appropriate precautions to ensure their safety)

The Lone Worker Alarm (man down alarm), provides the ideal solution for a wide range of health and safety applications. Already a firm favourite with the security and print industries, the Lone Worker alarm offers a practical means of monitoring the safety of staff working alone in any commercial or public sector environment.

The Transmitter

The Lone Worker alarm transmitter is fitted with a belt clip, so is typically worn on belt or carried in a pocket. Fitted with a tilt switch and panic button, the alarm transmission is automatically triggered in the event of the wearer falling or collapsing, or by the wearer pressing the panic button to summon assistance. To avoid false alarms, on activation of the alarm, the wearer is alerted by a warning bleep, and the transmission of the message is subject to a 10 second delay to allow the wearer to cancel the alarm in the event of accidental activation, (note: if the alarm is activated by the tilt switch, the message transmission self cancels on the detection of movement of the unit during the 10 second transmission delay period).

Operational Range

The Radio transmission range is up to 500 metres using the standard antenna, however if required, the effective operational range can be extended by using a radio repeater station(s) and/or high gain antenna (the repeater station will accept and independently and concurrently forward signals from multiple Lone Worker transmitters).

Choice of Receiver Stations

For many applications, a single transmitter and a single zone receiver plugged into a 13amp socket is all that is needed. When an alarm signal is received, the receivers warning buzzer will sound (until cancelled via the reset button), to alert local staff that a colleague needs assistance. Where there is a possibility that there will be no one on site to respond to an activation, a single zone receiver with built in telephone voice message autodialler will be required. The autodialler simply plugs into a convenient telephone point and in the event of an alarm activation, will automatically dial up to 4 preset telephone numbers in a repeated cycle until one of the phones is answered.

Where multiple transmitters may be in use concurrently, our multi-zone receiver (which will accept and uniquely identify signals from up to 14 transmitters) will be required. A numbered LED lamp on the receiver flashes and the internal sounder is activated when an alarm message is received. A written list of transmitter numbers with the appropriate details of the person and / or location each relates to, will instantly identify where the assistance is required. The receiver station features a push button reset switch which is used to cancel the alarm. As for the single zone receiver, the multizone receiver can also be fitted with a telephone autodialler if required. The receiver can be connected to an external sounder if required and a high gain antenna can be attached to increase radio range for larger sites.



the alarm signal is sent from the Lone Worker transmitter (via RF) to a receiver station



the receiver can automatically forward the alert to an offsite location using the standard telephone network (via the optional telephone autodialler)



Lone Worker Alarm - Components and Packaged Solutions:

System Components



Transmitter

Prod Ref: **XA LWTX**

The rugged alarm transmitter features an integral belt clip. Powered by a 9 Volt PP3 type battery (Duracell or Energiser) - typical operating time is up to 6 months.

Alarm triggered by internal tilt switch or by pressing the recessed external panic button.

Other features include; "Alarm Activated" warning, external "Alarm Cancel" button, self cancelling tilt activated alarm on detecting subsequent movement, low battery warning.



Single Zone Receiver

Prod Ref: **XA LWRX01**

Simply plugs into a convenient 13 Amp power socket.

On receipt of an alarm signal, the internal sounder sounds continuously until reset by the receiving station operator.



Single Zone Receiver with Autodialler

Prod Ref: **XA LWRX01AD**

Power via a 13 Amp power socket, the autodialler cable plugs into a local telephone socket.

Autodialler stores up to 4 numbers (mobile or landline) to send message to in sequence.



Fourteen Zone Receiver

Prod Ref: **XA LWRX16**

On receipt of an alarm signal from any of the registered transmitters, the internal sounder sounds continuously until reset by the operator. Individual LED indicators show which transmitter has sent the alarm signal.



Radio Signal Repeater Station

Prod Ref: **XA LWRRST**

Recognises and individually forwards alarm signals from up to 8 transmitters concurrently. Use of the repeater can extend the effective RF operational range by up to 500 metres.

Packaged Solutions

Lone Worker System Pack 1



Prod Ref: **XA LWPACK1** pack contains;

- 1 x Transmitter
- 1 x Single Zone Receiver

Lone Worker System Pack 2



Prod Ref: **XA LWPACK2** pack contains;

- 1 x Transmitter
- 1 x Single Zone Receiver with Autodialler (autodialler stores up to 4 phone numbers)

Lone Worker System Pack 3



Prod Ref: **XA LWPACK3** pack contains;

- 1 x Transmitter
- 1 x Fourteen Zone Receiver

please call for details of other packages, high gain antenna, and other options.

...and the technical bits...

Radio range normally up to 500 metres with standard antennae (optional high gain antennae available for extended ranges). Type approved to MPT 1309 - License exempt - Transmitter power 10mW - Frequency channel 173.225 MHz

Transmitter - Panic Alarm and Low Battery Warning. Battery type: 9 Volt - PP3 type (duracell or energizer). Operating time typically 6 months from fresh battery. Easy battery removal for replacement with spare. Overall dimensions: H-140mm (280mm including antenna) x W-82mm x D-35mm (incl.belt clip)

Receiver(s) - 13A power supply - Single or Multi Zone Receiver options - optional telephone Autodialler