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LONE WORKER SAFETY ALARM OPERATING INSTRUCTIONS.



Contents:	Page
<hr/>	
Radio Alarm Transmitter	
• Introduction	3
• Emergency Button	3
• Motion Detector	3
• Pause Button	3
• Reset Buttons	3
• Low Battery Indication	4
 Charger Unit	
• Introduction	4
• Fast & Trickle Charge	4
• Battery Life	4
 Monitoring Receiver	
• Introduction	5
• Alarm Monitoring	5
• Mute button	5
• Reset button	5
• Reset from Transmitter	5
• Fault Monitoring	6
• Low Battery (Transmitter fault)	6
• Missed Test Call (Transmitter fault)	6
• Accept Button	6
• Mains Fail Alarm	6
• Receiver Fault	6
• Power On Light	6
 Testing	 7

Radio Alarm Transmitter

- **Introduction**

The *radio alarm transmitter* is portable unit which clips to a belt. It sends radio signals from lone worker to the *monitoring receiver*. When the transmitter is removed from it's charger, it runs through a self-test routine for **5 seconds** starting with a short bleep and flash of the green light and finishing with a longer bleep and flash of the green light. During this routine the unit tests its battery and memory. When the routine is complete the unit is ready for use, normal operation is indicated by the green light flashing slowly approximately every 6 seconds.

- **EMERGENCY Button**

When the red emergency button on the top of the transmitter is pressed, the red light illuminates while an alarm signal is transmitted and the location sounder is activated. Press the both RESET buttons together to cancel the alarm and sounder.

- **Motion Detector**

After the self-test routine is complete the transmitter starts monitoring movement. If it does not detect any movement for (**__90__**) **seconds** it emits a warning bleep to alert the lone worker. This bleep lasts for (**__15__**) **seconds** and may be cancelled at any time by tapping the unit or pressing the PAUSE button. If the alert is not cancelled at the end of the period, the red light illuminates as an alarm signal is transmitted and the location sounder is activated. Press the both RESET buttons together to cancel the alarm and sounder.

When the transmitter is not in use it should be placed in the charger unit, this will automatically disable the motion detector.

- **PAUSE Button (if programmed)**

It is possible to temporarily disable the motion detector during periods of static work or break times by pressing the PAUSE button. This will disable the motion detector for (**__30__**) **minutes**. When the unit is in PAUSE mode the green light will flash faster than normal, approximately every second. The motion detector can be re-enabled by pressing the PAUSE button again. Alternatively, the motion detector is automatically re-enabled after the pause period has elapsed, or when the transmitter detects an **increased rate of activity**.

- **RESET Buttons**

Pressing both RESET button will reset the location sounder and cancel repeat transmissions. It will also reset the panel if this option has been programmed.

Radio Alarm Transmitter

- **LOW BATTERY Indication**

To test the transmitter's battery press the PAUSE button. If the battery is in good condition the green light will be illuminated for 2 seconds and then flash. If the battery level is low, the amber light will be illuminated instead of the normal green light. Replace the transmitter in the charger unit. If the problem continues after the unit has been re-charged contact our service department to arrange the return of the unit for a battery replacement.

Charger Unit

- **Introduction**

When the transmitter is not in use it should be placed in the charger unit, this will automatically disable the motion detector and recharge the transmitter's battery. The charger unit may be wall mounted or used as a desk-top unit and the power supply should be plugged into a standard 240V mains socket. When the supply is connected all the lights on the unit should be green before any transmitters are inserted.

- **Fast & Trickle Charge**

When the transmitter is placed in the charger the **green** light on the charger will change to **red** indicating **fast charging** of the transmitter's battery. When the charger detects that the battery is fully charged, or after a maximum of 2.5 hours, the red light changes to **green** indicating that the charge rate has been reduced to a **trickle** to avoid overcharging and keep the battery topped up ready for use. The transmitter may remain in the charger indefinitely.

- **Battery Life**

The transmitter is designed to operate for a maximum of **12** hours continuously, after which time it must be recharged. Recharging may be required sooner if numerous alarms have been sent, for example during testing.

The battery typically lasts between one and two years, contact our service department to arrange for a replacement battery to be fitted. **Do not attempt to replace the battery.** Fitting wrong type of battery may damage the transmitter and the charger.

Monitoring Receiver

- **Introduction**

The *monitoring receiver* is a wall mounted unit which receives radio transmissions sent from the radio alarm transmitters and reacts accordingly to alarm, reset and fault signals. The receiver is mains powered with an internal 12 Volt back up battery.

- **Alarm Monitoring**

When an alarm transmission is received, the receiver emits an audible warning and the lone worker's unit is identified by an indication red Led.

The audible warning may be cancelled by pressing the MUTE button. The numbered light stays illuminated until the RESET button is pressed. Alternatively the alarm may be muted and reset by pressing the both RESET buttons on the transmitter, if this facility has been enabled when the unit was programmed.

- **MUTE button.**

The receiver's audible warning for a lone worker alarm or mains fail alarm can be cancelled by pressing the MUTE button. This will also reset any external devices such a siren, flashing beacon or autodialler which are triggered by the receiver's relay outputs. The alarm light stays illuminated until the RESET button is pressed. The audible warning and external devices will be reactivated when new or repeat alarm signals are received.

- **RESET button**

The RESET button only operates after the audible alarm has been muted. Pressing the RESET button after the alarm has been muted resets all the lone worker alarms and turns off the alarm lights.

- **Resetting an alarm from the transmitter**

An alarm can be muted and reset in one operation by pressing the both RESET buttons on the transmitter. This only resets an alarm on the transmitter's own channel, alarms from other transmitters will stay latched on the receiver.

Monitoring Receiver

- **Transmitter Fault Monitoring**

When there are no lone worker alarms indicated, the monitoring receiver displays any transmitter low battery and test call faults (if test calls are selected) that have been detected.

If an alarm is received, the fault indications are suspended until the alarm is reset.

- **Low Battery Fault**

When a low battery signal is received from a transmitter the receiver flashes the **Low Battery** light and the corresponding alarm light together 3 times, each of the 8 alarm channels are checked in turn. The fault indication will be cancelled automatically when a healthy battery signal is received. Alternatively, the fault can be cancelled by pressing the Accept button. All the transmitter faults on the system are cancelled and will only reappear if they occur again.

- **Test Call**

Not programmed.

- **ACCEPT Button**

Pressing the ACCEPT button cancels all the transmitter faults on receiver at the time. Faults will only reappear if they occur again, for example if a new low battery signal is received.

- **Mains Failure Alarm**

The mains failure alarm is activated when the 240V mains supply to the unit is disconnected or if the internal power supply fails. There is an audible warning (which can be muted) and a flashing amber light. The light will stay flashing until the fault is rectified. The monitoring receiver will continue to operate on its back up battery for approximately **5 hours**.

- **Receiver Fault light.**

When power is applied to the receiver the yellow Receiver Fault light is illuminated for 5 seconds while the unit runs through a self-test routine. If the receiver fault light stays on, or comes on during normal operation, disconnect the mains supply, open the receiver and disconnect one of battery leads. Leave for a short time before reconnecting the battery followed by the mains supply. **Do not open the unit with the mains supply connected.** If the fault light remains on contact our service department for advice.

- **Power On light**

The green power on light indicates that there is power to operate the unit. If the mains fail light is also flashing then the receiver is operating on its back up battery.

Testing

The system must be tested regularly so that any problems are identified quickly. The following suggestions are designed to help formulate a test log.

We suggest that the radio system is tested daily at the start and finish of a shift. This can be done quickly and easily by pressing the transmitter's emergency button. An alarm should be indicated on the monitoring receiver. Reset the alarm from the transmitter or at the receiver.

We suggest that the motion detector alarm is checked every other shift. Leave the transmitter motionless and after the preset period the alert bleep should be audible. After the programmed pre-warning period, (usually 15secs), an alarm should be sent. An alarm should be indicated on the monitoring receiver. Reset the alarm from the transmitter or at the receiver.

We suggest that any external devices operated by the receiver, (siren, beacon etc.), should be checked every week. Press the transmitter's emergency button to send an alarm. After the appropriate delay the external device should be triggered. Reset the device and the alarm from the transmitter or at the receiver.

NOTE

Warwick Wireless Ltd reserve the right to change the design or specification of the Lone Worker Alarm System without notification. In addition Warwick Wireless Ltd takes no responsibility for the installation and operation of the product.

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