

TX7700 LONE WORKER ALARM

DESCRIPTION

The unit is housed in an ergonomic hi-impact casing and features a two digit backlit display with function icons for battery status, motion sensor activation, signal transmission, sounder and charging status. The display will back light when transmitting or altering the operational status.

OPERATION

There are two trigger keys which provide three activation modes (A, B, A+B) and these can be programmed to send individual text and/or zone information.

The unit also features a snatch lanyard which plugs into the bottom of the unit. This provides automatic emergency signalling if the unit is forcibly wrenched from the wearer.

The motion sensing accelerometer recognises horizontal, vertical and angular tilt, is fully programmable and will not start its countdown sequence until the programmed criteria are met.

Password protected options allow this to be overridden by the operator where risk assessment allows. The countdown sequence can initiate a warning beeper to alert the user of an imminent alarm call allowing the unit to be reset if so desired.

The audible beeper provides distinctive confirmation tones to various parameter changes. Operational modes are selected by the up/down keys located next to the LCD display.

Test or "heartbeat" transmissions can be programmed as required and battery level can also be transmitted for remote monitoring.

Battery Power: The IMPACT transmitter is powered by a custom (NiHm) battery pack which will provide up to seven days service between charges. An intelligent slot-in charger allows rapid re-charging in less than 1 hour.

Temperature sensors and microprocessor control ensure efficient and safe charging is achieved at all times.



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Programming

All parameters of the IMPACT are programmable using the PC-based configuration software and special programmer shoe. Customers can specify default settings at time of ordering, or they can choose to purchase the programmer kit (HHPROG) as an additional item.

Triggers

The Windows based software lets you assign identity codes and text messages (up to 40 characters) to each of the trigger functions, together with a ten character text message to define the unit's identity. A confirmation beep sound can be programmed (Off/On/High) for each trigger, and the "hold time" required to activate the press-buttons can also be defined, together with repeat calls for added integrity.

Triggers available:

- User activated Automatic
- Button A Test Calls (time period is programmable)
- Button B Battery Low
- Buttons A+B Power Up (when unit is switched on or
- Motion Sensor removed from charger)
- Snatch Lanyard Power Down (when unit is switched off or placed in charger)

Motion Sensor

The motion sensor "inactivity time" is programmable between 5 seconds and 30 minutes. There are also three pre-definable times (Short/Medium/Long) which can be set and enabled to allow the user three options for the inactivity time, dependent on use. For example, during rest breaks or lunch, the user may be sat down and inactive for longer periods. Using the "Long" setting will avoid unnecessary false triggers during planned inactivity. In all cases, the unit will alert the user to imminent alarm with rapid audibl beeps.

During this time, the user can provide movement to cancel the alarm condition. This "countdown to alarm" period is also programmable (10 to 300 seconds), giving maximum flexibility of operation.

Operation Modes

Different pre-defined modes can be made available to the user, who can then select the Mode using the top mounted



display and control buttons. For example, Mode 1 enables just the A & B buttons. Mode 2 enables the buttons & the accelerometer. This allows the basic functions of the unit to be re-programmed manually without the need for a PC. Alternatively, the unit can be pre-programmed to lock out user access, preventing any alteration to the set functions and parameters.

Dimensions

Footprint (mm)

Charger: 98 (L) x 58 (W) x 38 (H)

Transmitter: 74 (L) x 27.5 (W) x 118 (H)*
excluding aerial (+57 mm)

Charger Power input: 5 V dc @ 2A

Approvals

CE marked and compliant with the R&TTE Directive
1999/5/EC Standards applied: EN 300 220 (Short Range
Devices)

EN 301 489 (EMC)

EN 60950 (Safety)

Other Special Requirements

We recognise that our customers are the driving force behind our business and our aim is to provide the most reliable, cost-effective and safe solutions to satisfy all their special requirements. Call us to find out how we can tailor a system to meet your individual needs.

