

Protection for lone workers

There are many who could be classed as lone workers; the Health and Safety Executive (HSE) definition is 'those who work by themselves without close or direct supervision'. Giving these workers reassurance that help is easily available if needed and any personal risks have been minimised will provide them confidence to carry out their work. Lone worker protection systems are an increasingly important tool to help organisations reduce risks, improve efficiency and increase personal safety for their employees.

Lone workers typically operate across a broad range of organisational responsibilities and this includes roles such as security guards, social workers, operations managers, and railway staff as well as many others. With such a variety of activities – including periods of risk from sporadic to constant; fixed location through to always mobile and so on – a solution for protecting lone workers needs to be both fully featured and flexible.

Along with a general duty of care to protect workers, there are several standards and regulations that both the employer and the solution employed should adhere to.

For example, in the UK these include BS 8484, BS 5979, police security systems policies; HSE guidelines and the Corporate Manslaughter and Homicide Act. A lone worker solution will include two core components, a communication device and a monitoring centre, with a set of clearly defined response protocols.

The demands on the solution will vary from role to role and are worker specific – so the flexibility and functionality of the device is very important in delivering a tailored solution.

Tunstall supplies the fully featured, market leading Tunstall Romad Personal Safety Phone which, when used with a fully integrated BS 5979 approved monitoring centre, forms the basis of a solution that is fully compliant with BS 8484. Importantly, the Tunstall Romad is compliant without the need to be accompanied by any other mobile device, unlike some other solutions that have only one way voice communication.



All the reassurance you need

Tunstall

Tunstall Romad Personal Safety Phone

With a combination of highly sensitive GPS capability, GSM communications and an unmatched assortment of personal safety features, the Tunstall Romad RSP-100 can address all the requirements of lone workers. It is a small, discreet and lightweight personal safety phone which can be worn on a lanyard, placed on a belt holder or clipped into the specially designed badge holder. It is a highly capable, custom designed device delivering key benefits to lone workers when managed through a professional alarm receiving centre.

AdminLW

Complementing the Tunstall Romad is AdminLW, Geonovo's online administration and management platform which allows any authorised person in the user organisation to manage the devices online. AdminLW is designed to facilitate the management of just a few devices right up to the mass rollout of hundreds of devices by using batch imports of user and SIM card details and the MEI numbers for the GPS personal safety devices. The Geonovo's web based tracking platform is designed to help our customers get the maximum value from their investment whilst providing tools to help them care for their people who use the Tunstall Romad personal safety device. As well as sending status, position and alarm messages to the monitoring centre, this information is also sent to AdminLW where it can be used to provide valuable management information and reporting on staff deployment and activity.



Features	Benefit
SOS alert using a sliding switch centred on the front of the phone, designed to avoid false activations but be easy to locate and activate. When the SOS button is activated, the Tunstall Romad vibrates silently and instantly opens a 2 way voice channel to the designated number and sends SMS messages with the latest and then updated GPS location data.	Emergency notification with multichannel communication and backup gives confidence to lone workers that an emergency will be responded to urgently.
Highly sensitive and reliable GPS performance.	Accurate and up to date location data means that if an alarm is activated, the user can be located more quickly.
Pre-programmable speed dial buttons numbered 1-4 which can be configured for non-emergency contacts.	Immediate access to important numbers; for example, where advice is required or a supervisor needs contacting.
2 way voice with configurable communications modes.	Use as a restricted use mobile phone, optionally only allowing calls to or from authorised contacts or alternatively, permitting any number calling/ receiving.
Prior to entering a higher risk situation the user has the ability to record a 'pre-alert' message which can be accessed in the event of a subsequent SOS.	The pre-alert message provides additional information on location and situation helping the monitoring centre operator make a better informed decision rather than just depending on potentially out of date position data.
Man down alarm requiring positive user acknowledgement at regular periods, failure to respond will cause a man down alarm to be automatically raised.	Gives lone workers the assurance that they are protected during higher risk periods and when they are alone and away from assistance.
Easy to use device with a clear screen to show GPS, GSM and battery status, phone numbers inbound text messages, options and settings.	Users can be easily trained to use the Tunstall Romad and have access to all functionality relevant to their role.

Technical Overview

Technology features

SiRF Star III LP

Incorporating the latest GPS chipset provides superior location sensitivity and accuracy with low power consumption.

GSM/GPRS

Dual band GSM 900/1800 with two way voice, GPRS and SMS.

Memory

Internal memory allows for the storage of location and status data when outside of mobile network coverage; messages will be relayed to the server when GSM connectivity is re-established.

Phonebook

The Tunstall Romad can store 20 numbers in its phonebook; these are set up and managed through AdminLW, the web based lone worker administration platform.

Power Management

Advanced power saving technology to optimise battery life.

Service Features

Call

Speed-dial up to 4 pre-set numbers and up to 16 others using the phonebook; these are managed through AdminLW. Receive calls just like any other mobile phone or set the device to only receive from numbers programmed in the speed dial list or phone book.

Pre alert

The handset will send a time stamped pre-alert signal to the monitoring centre and make a voice call which can be recorded by the monitoring centre for later review. The period during which the pre-alert remains 'live' is configurable. Pre-alerts can be cancelled by the user using the menu screens.

SOS alert

When the SOS button is used the device will initiate a voice call to up to 3 designated numbers. The handset will call each number in turn until the call is answered, trying each of the 3 numbers up to 3 times. At the same time calls are being made, the device sends an SOS message via SMS to the monitoring centre containing the last known GPS position available. Whilst in SOS mode the device will continuously try to acquire updated GPS co-ordinates and transmit these to the monitoring centre.

Controlled hours

The device may be configured to determine the hours during which GPS reporting is active. This maintains privacy by ensuring device locations are not visible out of working hours and extends battery life.

Start and end of shift

The user can signal the start and end of a working shift so that at shift end the Tunstall Romad will prompt the user to confirm they have finished for the day or allow them to extend their working hours. If the user does not respond to the end of shift reminder, the device will send a message to the monitoring centre.

Battery low alert

In the event the Tunstall Romad battery charge reaches a low level, the user will be notified and an alert will be communicated to the monitoring centre.



Specification

Model:	Romad RSP-100
Technology:	GSM 900/1800, GPRS and GPS (SiRF Star III LP)
Dimension:	90mm x 46mm x 17.5mm
Weight:	42.5g without battery, 62.5g with battery
Screen:	Main LCD Display 96 x 25 pixels
Colour:	Black
Battery:	720mAh Li-Ion
Stand-By*:	Up to 100 hrs
Talk-Time*:	Up to 150 min
Compliance:	The Tunstall Romad is fully compliant with BS8484:2009 section 5, Lone Worker Device
Package:	Tunstall Romad Personal Safety Phone, Battery, Neck Strap, Mains Charger, Belt Clip Quick Start Guide

*Dependent on GSM and GPS operation

For more information on Romad please call 01977 660479

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