Sprite™ TW251 Man-Down Lone-Worker Software for MOTOTRBO™ Hand Portable Radios

Safety for Lone Workers

The Sprite™ TW251 is a software solution for Motorola hand portable MOTOTRBO™ radios* that provides an effective Lone-Worker monitoring system. The Sprite™ TW251 is an important addition to worker safety programs. It provides lone-workers and workers in hazardous environments with means to call for help in the event of an emergency and for automatic alarm generation in the event of a potential man down occurrence.

Improved Worker Safety

The Sprite™ TW251 can be configured for hosted and un-hosted applications. It effectively addresses safety concerns, providing field operators means to trigger an alarm, which in open environments can include GPS location information.

The Sprite TW251 software uses the integrated accelerometer on the MOTOTRBO™ Expansion Board** to detect lack of movement and tilt of the radio to signal a pre-warning alarm. It can be configured to reset pre-warning alarms on operator-actions (button press), movement detection, or double tap of the radio.

FEATURES… Benefits

- MAN-DOWN ALERT… By algorithmic evaluation of radio orientation and movement

- LONE WORKER ALERT… Continuous verification of worker health

- PRE-WARNING ALERT… Allows the worker to minimize false alarms

- HEARTBEAT MESSAGING***… Positive confirmation of communications link

- GPS REPORT WITH PTT ID… Positive confirmation of location

- INSTALLS ON MOTOTRBO™ EXPANSION BOARD… Enhance employee safety in the field

- CONFIGURABLE… For hosted and un-hosted applications

- EASILY ENABLED / DISABLED… Ease of use

* Supports both display and non-display MOTOTRBO™ hand portable radios
** MOTOTRBO™ Expansion Board: p/n QA01638 pre-installed in radio or PMLN5496AS Expansion Service Kit
*** For Hosted systems only

Sprite™ TW251 Man-Down Lone-Worker Software for MOTOTRBO™ Hand Portable Radios

Lone-Worker

The Sprite™ TW251 adds additional options for motion and orientation change detection to the "button-press-reset" method, traditionally used to postpone an emergency alarm transmission. With this, motion detection function, orientation change or a tap sequence on the radio, can be used to automatically reset the alarm report.

Man-Down

The Sprite™ TW251 will automatically activate a Man-Down emergency alarm if the radio orientation changes suddenly, followed by no-detected motion, or simply if there is no-detected motion for an extended period of time. Both cases are potential man-down situations highlighting a pending alarm, and after a local "Reminder" an emergency alarm is sent to the radio.

Reminders

Immediately prior to a sending an emergency alarm, a local reminder is sounded to remind the operator that an alarm is about to be activated. The Reminder "pips" alert the operator to reset the pending alarm.

Heartbeat*

The Sprite™ TW251 can be configured to periodically send "Heartbeat" messages to a Host application to verify the communication-link. Heartbeat message failures are indicated at the portable with a "beep" to warn the lone worker of the lack of coverage. The host can also detect loss of coverage through failure to receive Heartbeats. *For Hosted systems only

Ordering Information

Sprite™ TW251 Man Down / Lone Worker Software Package   45-0001-0

Please contact NeoTerra Systems Inc for additional information

NeoTerra Systems Inc
48 Centennial Road, Unit 7
Orangeville, ON. L9W 3T4
Tel +1 519 940 0088
Fax +1 519 940 8813
sales@neoterra.ca