

# TW251



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## TW251 Tallymatics

### Man Down APP for MOTOTRBO

#### Safety for Lone Workers

The Tallysman Sprite™ TW251 is a software APP for MOTOTRBO™ hand portable radios that provides an effective Man-Down monitoring system. The TW251 APP 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 TW251 APP can be configured for hosted and un-hosted applications. It effectively addresses safety concerns, triggering a standard MOTOTRBO™ emergency alarm in the event of a Man-down situation, which in open environments can include GPS location information.

The TW251 APP uses the integrated accelerometer on the MOTOTRBO™ option 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.(IFTA Reports).

#### Man-Down

The TW251 APP 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 local pre-alarm state.



The TW251 APP automatically activates a Man-Down emergency alarm if the radio orientation changes suddenly, 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” a standard MOTOTRBO™ emergency alarm is sent by the radio.

#### Features

- Support for all MOTOTRBO™ portables
- Digital & analog modes
- Man-Down alert
- Temporary disable
- Audible Reminder
- Pre-warning alert
- GPS Report with PTT ID
- Easily enabled / disabled

#### Benefits

- Sends a standard MOTOTRBO™ emergency alarm
- Enhanced algorithmic evaluation to negate False Alarms
- Automatically re-enables after time period
- On Power Up to reduce False alarms
- Allows the worker to minimize False alarms
- Positive confirmation of location
- Ease of use (Supports both display and non-display MOTOTRBO™ hand portable radios)

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### Reminders

Immediately prior to a sending an emergency alarm, a local pre-alarm is sounded to remind the operator that an alarm is about to be activated. The pre-alarm “pips” alert the operator to reset the pending alarm.

### Heartbeat\*

The Sprite™ TW251 can be configured to periodically send “Heartbeat” messages to the Host 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      41-0002-0**

Please refer to the Ordering Guide for the current and complete list of available products.



**TALLYMATICS®**

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Tallymatics manufactures high performance, telematics products and solutions for a wide range of applications. With support for both RF wireless and data networks, Tallymatics enables high-resolution location awareness of mobile field assets across any type of wireless network. Tallymatics is a division of Tallysman.

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