TW200

TALLYMATICS ®

The **connection** of things.® **A CALIAN® COMPANY**

TW200 Sprite™

Asset Tracking Device for MOTOTRBO

Overview

The Tallysman Sprite™ TW200 Contrail tracking resolution takes tracking accuracy to a whole new level enabling MOTOTRBO™ channel partners to complete on a level playing field with Cellular carrier reporting rates. The TW200 supports all MOTOTRBO™ network configurations including Capacity Max.
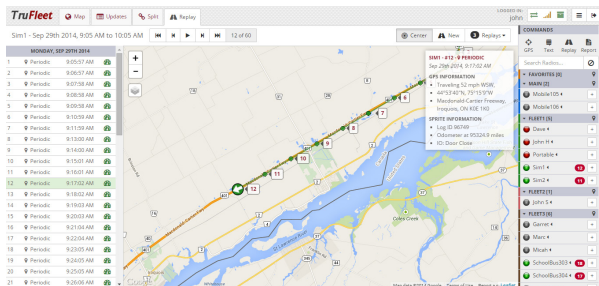
Contrail Tracking

The Sprite Contrail tracking coupled with "Event" based reporting of I/O, Odometer, Engine Idle times etc, makes this platform uniquely positioned to meet all Fleet Tracking needs.

The Sprite Contrail data compression algorithm can combine up to 125 location reports and events into a single MOTOTRBO data transmission enabling sub 10 second tracking reports to be batched and sent every 15 Minutes! This level of tracking provides location accuracies down to the block level which is particularly important when auditing vehicle locations and for applications such as reporting International fuel Tax usage (IFTA Reports).

Contrail Tracking

Tallysman's TruFleet ™ application combined with the TW200 and TW250 contrail tracking capabilities enables radio system operators to increase the number of data users on their system many fold without having to add additional repeaters to support the increased data traffic. Tallysman's TruFleet ™ application manages the TW200 and TW250 Telematics contrail reporting without compromising system performance.

Port Interface

The Sprite™ TW200 features two serial COM ports to connect peripherals such as Mobile Data Terminals (MDTs) and SCADA devices. An ignition input and three general purpose inputs are provided for monitoring events such as door opening and closing.

Features

- Capacity Max compatible
- Out of range logging and retrieval
- Contrail tracking & batch reporting
- Event driven reporting e.g. Periodic, distance, turns etc.
- Time-OFF-Timer
- Waypoints reports
- Odometer reports

Benefits

- FTA mileage tracking
- Reduced fuel costs
- Eliminate un-authorized vehicle use
- Reliable record of pick-up and delivery times
- Odometer-based vehicle maintenance records

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Specifications

Ports

- USB Host
- 1 RS232 Port with control lines or
- 2 RS232 Ports with no control lines (TX, RX, Gnd)
- 2 digital inputs & 1 bi-directional input
- Ignition input
- 8 MB Logging memory

Maximum Rating

- 10 to 18 VDC (over voltage protection)
- 80 mA typ.
- -40C to +85C operating temperature
- Input logic: Low . . . . .0.7 to -5V
- Input logic: High. . . . . .0.8 to 24V

Hardware Interface

- 6 Pin Molex (Power & Inputs)
- RJ45 radio
- RJ45 COM ports
- 1 LED – Power & Status indicator

Connectivity

- MOTOTRBO™ MAP connection
- COM port pass-through

Mechanical

- Dimensions . . . . .3.01" L x 2.19" W x 0.91" H (76.5 mm L x 55.6 mm W x 23 mm H)

Ordering Information:

Sprite™ TW200 box with power cable & radio cable	**32-0200-1**
TW200 Configuration Cable	**27-0019-0**
TW200 Programming Kit	**32-0001-0**

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

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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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