



**RUGGED. REMOTE. RELIABLE.**

Satellite Asset Monitoring Solutions



**OIL & GAS**



## 750 DB

A powerful dual mode Iridium® Satellite and GSM MTU (Mobile Transmitting Unit).

### Enhance Efficiency, Improve Safety

With the 750 DB you know where equipment is and if it's ready to work saving delays, work disruptions and logistics expense.

**Efficiency:** Track equipment location and utilization allowing for timely and accurate billing for services and equipment rentals. Receive early warning of equipment and engine faults to minimize breakdown and repair expense. Track equipment hours and fuel consumption to know when service is due, and log carbon emissions.

**Safety:** Employees can “check-in” or “check-out” from any location via an Iridium® Satellite linked Pendant. Workers can actively or passively call for help when in remote areas — in or away from their vehicle — engage escalation procedures in near real-time, and communicate with the office when out of cellular range.

**Accountability:** Monitor propulsion, extraction and generator engines for fuel efficiency, consumption, state of health and engine operating hours.

### Key Features / Benefits:

- Web-Based Platform
- Connect with GSM Cellular and Iridium® Satellite Networks.
- Monitor, Control and Remote Start/Stop Equipment
- J1939 CAN, J1708 and MODBUS Engine Monitoring, Diagnostics and Data Logging
- RS-232, RS-422 & RS-485 Interfaces
- Reduce Operating Costs
- Monitor key data and send exception alerts.
- “Intrinsically Safe” Gas Badge Detection and Mandown/Lone Worker Systems
- SCADA Monitoring and Reporting
- Two-Way Communications
- Active RFID Monitoring

### Advanced Features

- U-blox 50 Channel GPS for highly accurate positioning
- Sierra Wireless Quad-Band GSM Module
- Iridium Satellite Modem powered by Quake®
- Low Power Draw
  - Power Conditioning
  - Reverse polarity protection
  - Re-settable internal fuse
- Interface - Weather resistant Deutsch, DT Series connectors
- Compact, rugged injection molded case. IP-64 Rated
- On-board J1708 and J1939 CAN and wired OBDII interfaces to provide vehicle data and reporting of diagnostic codes
- RS232, RS422 and RS485 interfaces
- 2MB of compact flash RAM for data logging that can be requested over the air or downloaded locally
- Four factory configured I/O's

## FW Telematics Advantage

**Turnkey Service:** We supply a turnkey service including systems design, website and back office integration (APIs), hardware, firmware customization/integration, and installation (through qualified installers or in conjunction with your in-house team.) We then provide ongoing post-deployment support and customization.

**Rapid Rol:** Customers typically report less than six months, from date of installation, to achieving a positive return-on-investment (Rol.)

**Support:** The level of support you demand — backed by the FW Telematics Service Level Agreement (SLA). We understand

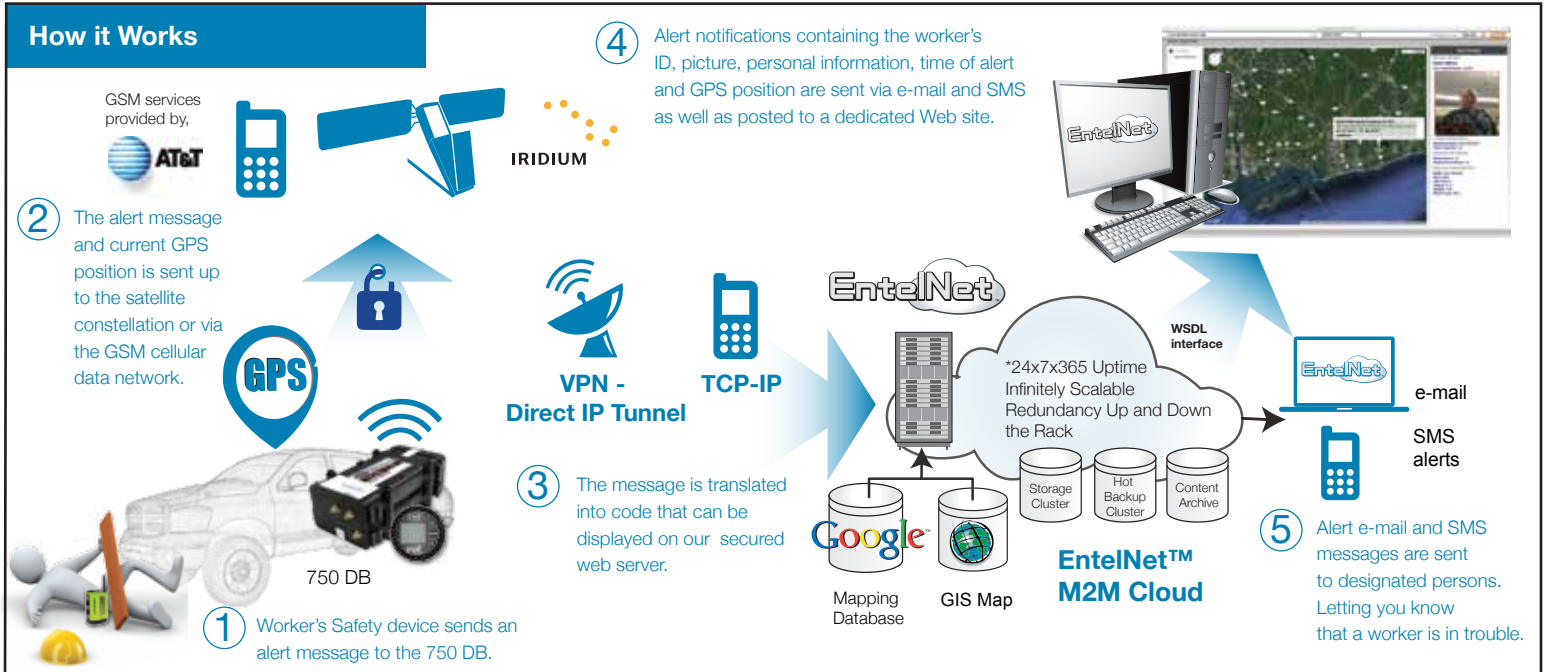
that you operate in a high-consequence environment. Where needed, our technical support staff are available 24x7x365\* to troubleshoot issues, provide support, and ship replacement hardware overnight to most locations.\*\*

**Worldwide coverage\*\*\*:** Our Iridium satellite based solutions are designed to operate in the most caustic and industrial environments and provide true global coverage. You now have the option to select a single global supplier, to cover all Operating Companies and Project Locations.

\* Additional service fees apply

\*\* United States only, international locations typically 2-7 days

\*\*\* Subject to local licensing restrictions on Iridium service



### Dimensions and Weight

L: 9" (229 mm)  
 W: 4 5/8" (118 mm)  
 H: 3" (76 mm)  
 3 lbs. (1430 gr.)

### Specifications



Voltage: 12 & 24V ready (9.5-36VDC power)  
 Operating Temperature: -20C to +85C  
 Storage Temperature: -40C to +85C  
 Water and Weather Resistance: IP64  
 Humidity: 90% RH at 29°C for 24 hours  
 Shock Resistant: MIL-STD-202, 50G  
 Vibration Resistant: SAE J1455  
 Corrosion Resistant: ASTM-B117-73, 48 Hr



All of our hardware is built on ISO-9001 certified production lines and tested for use in the harshest C&I, Mining, Oil&Gas and Maritime environments. From the North Slopes of Alaska, to Workboats in the North Sea, you can be confident that your FW Telematics solution will continue to perform.

### Accessories



#### VTERM™

- 7-inch WVGA TFT color display with an integrated touch-screen.
- Use the display for text messaging, forms reporting and e-mail.

#### 2" User Interface

- Displays system status, when unit detects a GPS fix and an open communication channel.
- Can be used to send emergency notifications



#### LONEWorker

Man Down™ system

The worker worn device (FW-600SP) protects the lone worker by communicating an emergency message with the worker's GPS position real-time over the Iridium satellite network. This device also provides for two-way text messaging and is certified Intrinsically Safe for use in hazardous environments.



#### Active RF ID Tag

Asset Tracking system

For more information contact



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