

Keeping Track With Service Tracker

While OEM Controls Inc. is known for its line of electro-hydraulic controllers and control systems, its OEM Data Delivery Division is focused on another kind of control. With a range of tracking equipment, OEM Data Delivery provides telematic products to capture data on machine use, fuel consumption, engine idling and GPS location.

OEM Data Delivery recently introduced the ST-900 Cellular Service Tracker, designed to precisely track equipment activity at remote locations. The ST-900 allows fleet owners to generate data on each machine's usage hours, equipment location, idle vs. work logs, and mileage.

The ST-900 Cellular Service Tracker configures service alerts into the tracker to plan for schedulable maintenance and avoid over-servicing and equipment downtime. It also allows for regulatory documentation to be generated easier and reports for fuel tax refunds compiled faster for off-highway use. Fuel-based maintenance data, total fuel usage, cumulative miles and other user-specified logs such as PTO time, auxiliary equipment and travel logs can also be programmed into the system.

Constructed for severe operation, the ST-900 is targeted toward companies in construction, aggregate, utility, landfill, rental as well as others who operate equipment at multiple job sites. According to OEM, the system can be equipped on all equipment brands and models, and customized tracking systems can be engineered to a user's or fleet's requirements.

The ST-900 stores idle, work and run reports for 34 days in the history and has a seven-day travel log memory that includes GPS latitude and longitude, cumulative hours and cumulative mileage. A seven-digit dis-

OEM Data Delivery, a division of OEM Controls Inc., has developed the ST-900 Cellular Service Tracker to track equipment activity at remote locations, allowing fleet owners to generate data on each machine's usage hours, equipment location, idle vs. work logs, and mileage.

play showcases the alarm and communication diagnostics. Memory on the unit is 256K bytes with 15K bytes of RAM and 12 bytes of external Electrically Erasable Programmable Read-Only Memory (EEPROM).

The ST-900 operates wirelessly, paper-free and hands-free as management reports are generated nightly via e-mail or accessed through the web. The information can be fully integrated with any corporate computer system or accounting software, OEM said, and training on the system can be completed in only a few hours.

OEM Data Delivery has engineered the ST-900 fuel tracker to be compatible with OEM's fuel management system. Fuel Tracker provides real-time tracking of fuel and consumables dispensed into individual machines. For example, OEM said, management can receive reports on how many gallons a particular fuel truck dispensed into each piece of equipment at a specific job. The Fuel Tracker is also designed to prevent theft or unauthorized use of fuel.

Operation of the ST-900 tracker uses 12 to 24 Vdc voltage with the option of 110 V. It has a serial GPS connection and cellular communication using dual band, GPRS and AT&T. It can be connected via CANopen, J1939 or J1708.



For corporate computer systems, the data can be provided in CSV, XML, ODBC and other formats.

Construction of the ST-900 uses a Zinc IP67 casing with two pushbuttons to calibrate the system and set service alerts, diagnostics and user configurations. The wire harness includes power, ground, ignition, six digital inputs and two digital outputs.

The ST-900 is designed for operation in -40° to 158°F and is weather resistant to IP65. Dimensions of the system are 7.57 in. high (including antennas) by 5.75 in. wide by 2.17 in. deep. OEM offers the ST-900 with a two-year warranty.

OEM Data Delivery produces the ST-900 Service Tracker at its headquarters in Shelton, Conn., also home to parent company OEM Controls. The full OEM Data Delivery product line offers a broad range of total fleet management systems including the radio-based ST-550 Service Tracker; the GoPOD, a compact wireless, hands-free tracking system; and the JobPOD Jobsite Tracking technology. **dp**

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