Product size and connectors may vary depending on configuration.

TrainWise® Event Recorder System

The TrainWise® Event Recorder (ER10) collects critical information about train systems, driver activities, and vehicle performance and stores it in a Hardened Memory Module (MM01). Recorded data provides vital information following an incident to determine root cause and identify preventive measures.

Redundant network connections allow the ER10 to obtain data reliably from train subsystems over the Ethernet network, reducing the need for discrete wired connections.

Total units ordered/delivered: 130

Key benefits

Secure data for post-crash analytics. Critical train-system data is stored on the dual FRA- and IEEE-compliant Hardened Memory Module, allowing post-incident analysis.

Versatile. The train data recorder can operate stand-alone or be incorporated into a standard train monitoring and control system for added functionality to support new or modernization projects.

Easy installation. TrainWise Event Recorder is part of a two-unit system consisting of the event recorder controller and the Hardened Memory Module (MM01). This allows the MM01 to be mounted in a secure location, such as behind a crash post, and the control unit to be placed in an easily accessible area.

Main characteristics

» FRA and IEEE compliant for event recorders

» Separate MM01 for security and convenience

» Modular I/O cards for scalable input/output count

» Customized enclosures adaptable to available space

» Secure web server providing remote access (PTE, operations, etc.)

» Redundant Ethernet network interface with M12 connectors

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