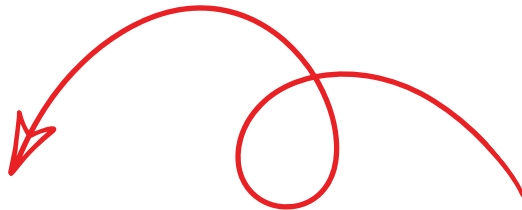


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FDMS OVERVIEW



Our Fault Data Management System (FDMS) is an advanced solution for monitoring, recording, and analyzing signaling system faults in railway networks. Designed to improve operational efficiency and enhance maintenance planning, FDMS provides actionable insights into system performance and fault trends. Built to integrate seamlessly with signaling infrastructure, it ensures improved reliability, reduced downtime, and data-driven decision making—keeping your railway operations optimized and future-ready.

KEY FEATURES:

- ▶▶ Real-time fault monitoring and logging
- ▶▶ Automatic event capture with time stamping
- ▶▶ User-friendly interface for quick analysis
- ▶▶ Network-wide data aggregation and reporting
- ▶▶ Compatible with multiple signaling equipment

WHY CHOOSE ECOMTELCO OTDRs?

- ▶▶ Helps identify recurring faults for preventive maintenance
- ▶▶ Minimizes downtime through fast fault localization
- ▶▶ Supports compliance and audit requirements

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6F FDMS



The 6F FDMS (Fault Data Management System) is a powerful and intelligent monitoring solution designed for railway signaling and interlocking systems. It continuously monitors, records, and analyzes fault data in real-time, enabling timely maintenance and improved operational efficiency.

KEY SPECIFICATIONS:

- Monitors: Up to 6 fault channels
- Data: Real-time logging with timestamps
- Interface: Touchscreen/PC software
- Communication: Ethernet/RS232/RS485
- Storage: Internal + USB backup
- Power: 110–230V AC, 50–60Hz
- Mounting: Rack/DIN/Wall
- Compliance: RDSO/TEC approved

HIGHLIGHTS:

- Accurate fault monitoring & event capture
- User-friendly interface for quick diagnostics
- High storage & easy data backup options
- Field-ready, rugged design for railways
- Supports preventive & corrective maintenance strategies

12F FDMS

The 12F Fault Data Management System (FDMS) is a high-capacity, intelligent monitoring and recording solution for railway signaling and interlocking faults. Supporting up to 12 fault channels simultaneously, it provides real-time data logging, detailed analytics, and user-friendly reporting to optimize maintenance and ensure operational safety.



KEY SPECIFICATIONS:

- Monitors: Up to 12 independent fault channels
- Data Logging: Real-time with accurate time-stamps
- Interface: Touchscreen and PC software
- Communication: Ethernet / RS232 / RS485
- Storage: Internal memory + USB backup
- Power Supply: 110–230V AC, 50–60Hz
- Mounting: Rack, DIN rail, or wall-mounted
- Compliance: RDSO/TEC approved

HIGHLIGHTS:

- Real-time monitoring of up to 12 signals
- Easy-to-use interface with quick data access
- High storage capacity & USB backup
- Rugged, railway-grade construction
- Improves uptime through preventive diagnostics

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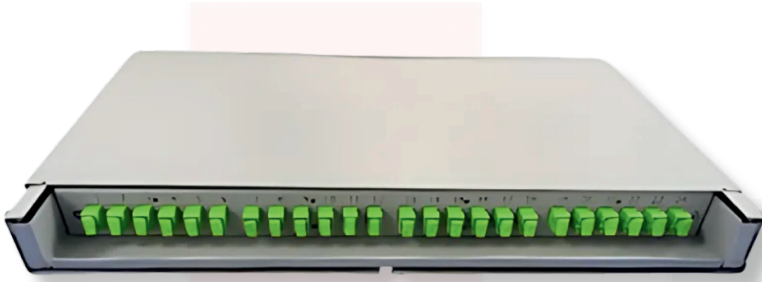
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24F FDMS



HIGHLIGHTS:

- Simultaneous monitoring of up to 24 signals
- User-friendly interface with quick diagnostics
- Ample storage & USB backup for data security
- Built tough for harsh railway conditions
- Ideal for large-scale, mission-critical installations

The 24F Fault Data Management System (FDMS) is a powerful, high-capacity solution for monitoring and recording up to 24 fault channels in railway signaling and interlocking systems. Designed for large, complex networks, it delivers real-time fault detection, detailed analysis, and easy reporting to enhance operational efficiency and reduce downtime. Fully compliant with RDSO/TEC standards, it's built for reliable performance in demanding railway environments.

KEY SPECIFICATIONS:

- Monitors: Up to 24 independent fault channels
- Data Logging: Real-time with precise time-stamps
- Interface: Touchscreen and PC software
- Communication: Ethernet / RS232 / RS485
- Storage: Internal high-capacity memory + USB backup
- Power Supply: 110–230V AC, 50–60Hz
- Mounting: Rack, DIN rail, or wall-mounted
- Compliance: RDSO/TEC approved

48F FDMS

The 48F Fault Data Management System (FDMS) is a state-of-the-art, high-capacity monitoring and recording solution designed for the most demanding railway signaling networks. Capable of handling up to 48 fault channels simultaneously, it provides real-time fault detection, precise data logging, and actionable analytics to ensure maximum reliability and operational safety. Fully RDSO/TEC compliant, it's built for mission-critical, large-scale railway environments.

KEY SPECIFICATIONS:

- Monitors: Up to 48 independent fault channels
- Data Logging: Real-time with accurate time-stamping
- Interface: Touchscreen and PC-based software
- Communication: Ethernet / RS232 / RS485
- Storage: High-capacity internal memory + USB backup
- Power Supply: 110–230V AC, 50–60Hz
- Mounting: Rack, DIN rail, or wall-mounted
- Compliance: RDSO/TEC approved



HIGHLIGHTS:

- Real-time monitoring of up to 48 signals
- High-capacity storage & secure data backup
- User-friendly diagnostics and reporting tools
- Rugged, field-proven construction for railways
- Best suited for large, complex signaling networks

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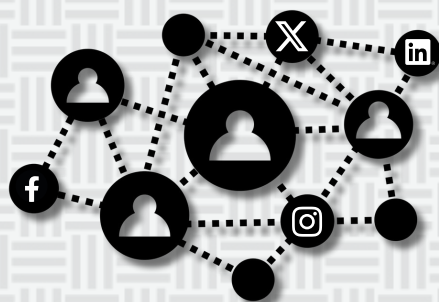


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