

REMOTE FAULT INDICATOR

OVERHEAD LINE TRANSIENT & SIGNALLING
FEATURE AND TYPE REMOTE FAULT INDICATOR



**Powering the Future
with Precision and Control**

Engineered by EDMP, this advanced data concentrator unit is purpose-built for modern distribution networks. Powered by a highperformance 32-bit RISC embedded platform, it combines intelligent software and robust hardware to deliver reliable, real-time fault monitoring and detection. With large-capacity flash memory and a long-life backup power system, it ensures uninterrupted data logging and system integrity—even in challenging conditions.



MONITORING TOOLS

**OVERHEAD LINE TRANSIENT & SIGNALLING FEATURE
AND TYPE REMOTE FAULT INDICATOR**

■ Features & Functions

Wireless Communication	Micro-power wireless communication Using frequency-hopping self-organizing network Long transmission distance
Fault signal acquisition	Using indicators installed along the communication line Discrimination for short-circuits Ground faults on the communication line
Monitoring Techniques	Monitoring of normal load current Monitoring transient current changes on the communication line Monitoring the status of the fault indicators
Configuration	Configuration of indicator parameters and setting of alarm thresholds
Voltage Management	Acquisition and management of remote terminal power supply voltage and charging voltage
Firmware Upgrade	Remote upgrade of the terminal firmware
Alerts	Receiving and executing local or master station commands
Monitoring Techniques	Power outage events, Parameter configurations, Power outage alarms Power reconnection
Memory	Multi-year data retention and large data storage

■ Technical Specification

Parameter	Value
Communication Protocol with Master Station	Complies with IEC104/101 standards; supports software adaptation and integration with existing fault location systems
Uplink Communication	Terminal supports multiple communication interfaces; selectable options include GPRS/CDMA, Ethernet, fiber optics, etc.
Downlink Communication	Remote micro-power wireless communication
Local Communication Interfaces	RS232 / RS485, USB, micro-power wireless
Panel Display	160×160 dot matrix LCD display (powered by AC220V)
Power Supply	230×3V / 400V (overhead or cable system) Solar power (overhead lines) CT-powered self-supply (overhead or cable lines)
Backup Power Source	Supercapacitor / High-capacity rechargeable battery
Function Expansion	Supports expansion to interface with other systems or devices
Remote Upgrade	Supported

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