

# Data Acquisition Unit

Overhead Line Transient & Signalling Feature and Type Remote Fault Indicator



**Powering the Future with  
Precision and Control**

The EDMP overhead line fault indicator is designed to quickly detect short circuits and grounding faults in overhead distribution systems. It offers real-time monitoring of fault current and faulted lines, ensuring rapid response and enhanced grid reliability.

Equipped with ultra-low-power wireless communication, the device forms a local network to transmit critical data—including fault occurrence, current direction, and system status—directly to the terminal unit.

From there, the communication terminal relays the information to the master station, where it's analyzed and visually displayed on an intuitive graphical interface for quick and accurate fault localization.



# Energy Storage



## Features & Functions

Local Communication	<ul style="list-style-type: none"><li>• Wireless frequency-hopping mesh communication technology.</li><li>• Fault indicator and the remote terminal</li><li>• Multi-hop transmission</li><li>• Extended communication range.</li></ul>
Communication	<ul style="list-style-type: none"><li>• Current mutations detection</li><li>• Automatically identifies load current</li><li>• Transformer substation protection for high-current systems</li></ul>
Ground Fault Detection	<ul style="list-style-type: none"><li>• Integrates voltage data from the distribution transformer's</li><li>• Dynamic fault current characteristics</li><li>• Intelligent algorithms to accurately determine single-phase ground faults</li></ul>
Automatic Reset	<ul style="list-style-type: none"><li>• Automatic reset within 48-1 hours (configurable), or</li><li>• Immediate reset upon voltage recovery (auto-reset after power restoration).</li></ul>
Display Mode	<ul style="list-style-type: none"><li>• LED indication and flip-flag display.</li></ul>

## Technical Specification

Item	Value
Line Voltage	35 – 3 kV
Ground Fault Detection	600 – 2 A
Maximum Short-Circuit Current	30 kA / 2s
Conductor Diameter	8-41 mm (insulated or bare conductors)
Ambient Temperature	-40°C to +85°C
Reset Time	1-48 h (default: 24 h); smart reset supported (immediate reset upon power restoration)
Operation Count	3000
Ingress Protection Rating	IP68
Weight	≤ 550 g
Service Life	≥ 10 years

### EDMP

PO Box 125428, Plot No. MO0147C, Junction of N400 & N406 Streets,  
Jebel Ali Free Zone, Dubai, United Arab Emirates  
✉ info@edmpco.com 🌐 www.edmpco.com

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