

Advanced Electrical Protection That Saves Lives

Leakage current detection from 5 mA with frequency compensation and anomaly detection. Protection that acts before the accident happens.

WHAT IS ECSPD

The AM-X ECSPD (Electronic Current Sensing Protective Device) combines advanced frequency compensation with real-time anomaly detection to protect people and installations from dangerous leakage currents. Unlike a traditional RCD that simply cuts power when it detects a leak, the AM-X ECSPD actively neutralizes the leakage current while maintaining uninterrupted power supply. This means: no blackouts, no false alarms, no risks.

WHAT MAKES IT DIFFERENT

Comparison with traditional protections

THREE MODELS, EVERY APPLICATION

From OEM to DIN-rail industrial installations

■ AM-1

OEM module in PCB format for direct integration into equipment and luminaires.

■ AM-3

DIN-rail format for industrial and commercial electrical panels.

■ AM-2

IP68 sealed enclosure for outdoor installations and harsh environments.

SMART FEATURES

■ AI Monitoring

Artificial intelligence algorithms that learn consumption patterns and detect anomalies before they become problems.

■ Consumption Tracking

Visualize energy consumption of each protected circuit. Identify waste and optimize your electricity bill.

■ Real-Time Alerts

Instant notifications on your smartphone when any leakage current or abnormal behavior is detected.

APPLICATIONS

Protection for every environment

■ Public lighting

Street lights and outdoor luminaires

■ Commercial

Shops, offices and shopping centers

■ Industrial

Factories, warehouses and industrial units

■ Data Centers

Data centers and telecommunications

■ Residential

Homes, communities and developments

■ Marine

Ports, marinas and vessels

■ EV Charging

Electric vehicle charging points

■ Healthcare

Hospitals, clinics and health centers

KEY SPECIFICATIONS

Minimum detection	5 mA
Response time	<10 ms
Certifications	CE & UKCA
Standard	IEC 60990
Monitoring	AI via app
Alerts	Real-time
Energy consumption	Integrated tracking
Warranty	5 years

Eneraq
info@eneraq.com · eneraq.com/en/solutions/electrical-protection
European technology · In-house R&D