# LCP-230V / LCP-250V

## Leakage Current Protector • Healthcare & Critical Systems

A power-quality and ground protection instrument for medical installations and sensitive laboratories where high-frequency parasitic ground leakage currents must be isolated before nuisance tripping occurs.

## KEY ARCHITECTURAL FEATURES

- **Configurable trip** threshold (6 mA, 10 mA, 30 mA) via sealed front rotary selector
- **Sub-22ms electromagnetic** disconnect mechanism eliminating arc flash hazards
- **Isolated AU999** 2-wire serial telemetry port for central nurses station annunciator connection
- **True RMS** harmonic-filtered differential current sensing

## VERIFIED TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Part Number / Order Code** | LCP-230V / LCP-250V |
| **Input Electrical Ratings** | 230V / 250V AC, 50 Hz, 16A Continuous Thermal Rating |
| **Supported Field Protocols** | AU999 2-Wire Serial Telemetry Port |
| **Mounting & Dimensions** | 35mm DIN-Rail (4-Module, 90 x 72 x 65 mm) |
| **Enclosure Rating & Material** | High-Impact Flame Retardant ABS/PC (IP20) |
| **Ambient Operating Range** | -10°C to +55°C Ambient Operating Range |
| **Certification Standards** | IEC 61008-1:2020, IEC 60601-1 Medical Safety, EN 61543 |

## TERMINAL BLOCK PINOUT & WIRING ASSIGNMENTS

| Terminal / Pin | Designation & Electrical Function |
|---|---|
| **L-IN / N-IN** | Mains Supply Input |
| **L-OUT / N-OUT** | Differential Monitored Protected Output |
| **PE-SENSE** | Ground Reference Sensor Lead |
| **COM-1 / COM-2** | AU999 Isolated Alarm Bus |

**Regulatory Compliance Notice:** Manufactured and tested strictly in accordance with ISO 9001:2015 quality standards at AISPL Engineering Facility, Mumbai, India. All technical specifications are subject to verification against local BIS / IEC installation guidelines.

**✓ VERIFIED BY AISPL MUMBAI LAB**
TEST REPORT CERT: AISPL-DS-LCP230-2026-REV2-OK

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