

# C-240AC

## AC230 Surge Protector

# LPS



The C-240AC of Surge Protective Device is proudly made in Malaysia and engineered with state-of-the-art Australian technology. It is the result of exhaustive research and development in the world's most lightning prone regions, providing unsurpassed performance in lightning protection. The C-240AC is designed to protect electronic and electrical equipment from lightning surges as a result of direct lightning strikes on power systems, electro-magnetic couplings, the switching of power network and inductive loads. It is most suitable for sub-switchboards and distribution boards of commercial and industrial buildings and main switchboards of home and offices as well as instrumentation equipment.

C-240AC provides 25,000 amps per phase of surge protection in common and differential modes with instantaneous response. By utilizing Metal Oxide Varistors (MOVs) that maximizes performance and reliability, the C-240AC also contains a specially designed Thermal Cut-Out™ fuse that prevents dangerous thermal run-away and fire hazards.

### Standard Features

Description	
Low Let-through Voltage	Provides maximum protection to all equipment
All Mode Protection	Ensures comprehensive protection for both common and differential modes (i.e L-N, L-G and N-G)
Thermal Cut-Out™	Isolate MOV from circuit when MOV is around the end of its life span
Fail-Safe Enclosure	Prevent Fire Hazard
LED Status Indicator	3 mm

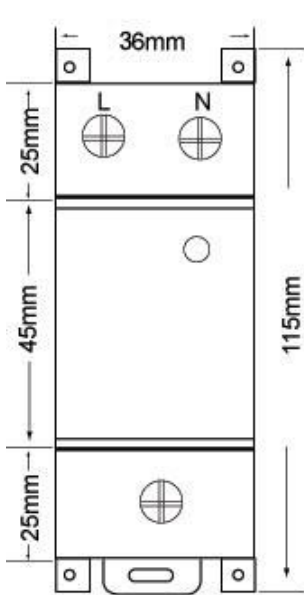
### Technical Data

Feature	C-240AC
Distribution System	1-phase (2 Wire + G)
Normal line voltage	240 VAC (L-N)
TOTAL	25kA
Max. continuous operating voltage $U_c$	275 VAC (L-N)
Earth leakage current (DC)	< 1mA
Diagnostics	LED
Max. surge current per phase @ 8/20 $\mu$ s	25kA
Connection Type	Parallel
Response time	<5ns

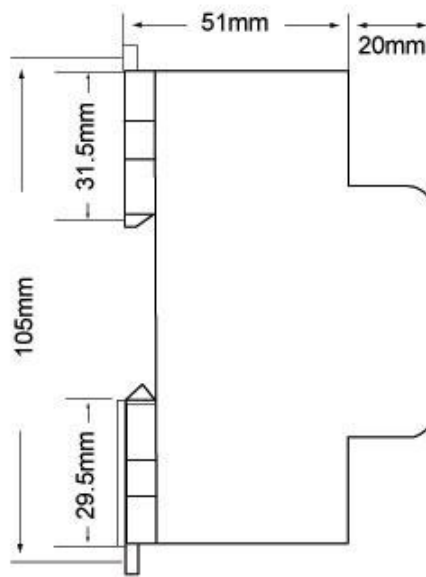
Protection mode	L-N, L-G and N-G
Operating frequency	40 - 60 Hz
Max. loading current	Unlimited
Storage temperature	-40 to + 70°C
2.5mm <sup>2</sup> lead length	110mm
Housing ratings	IP 20 & NEMA 1
Weight	250g
Dimensions	36 mm x 115 mm x 71 mm

International Test Standards of Let-through Voltage	L-N, L-G and N-G
6kV 0.50 $\mu$ s 200A-100kHz Ringwave <ul style="list-style-type: none"> <li>• ANSI / IEEE C62.41 – Category A3</li> <li>• SS CP33</li> <li>• AS/NZS 1768</li> </ul>	900V
6kV 1.2 / 50 $\mu$ s open circuit voltage 3kA 8/20 $\mu$ s short circuit current <ul style="list-style-type: none"> <li>• IEC 61643-1 Class III <span style="border: 1px solid black; padding: 0 2px;">3</span></li> <li>• ANSI / IEEE C62.41 – Category B3 and C1</li> <li>• BS6651:1999 - Category C low and B high</li> <li>• UL 1449</li> <li>• SS CP33</li> <li>• AS/NZS 1768</li> </ul>	900V

**Dimension:**



**C-240AC  
Top View**



**Side View**

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