

LPS® PP Series

SURGE PROTECTIVE DEVICE



**Protects your 110 V DC power supply and
100 V line circuits against lightning induced surges**



The LPS® PP Series is a reliable surge protective device specially designed for the 110 V DC power supply and PA equipment using the 100 V line systems.

Following extensive R&D, the PP Series has been created deploying state-of-the-art engineering technology. This Malaysian-made device is designed with high surge capacity to suit even the most lightning prone regions in the world.

How it works

The LPS® PP Series device is cost-effective and deploys multi-stage protection with MOV (Metal Oxide Varistor) for primary defence. It is then linked by a second-stage surge attenuate component and finally to a MOV to provide unsurpassed performance in lightning surge protection. When surges occur, the device will switch to a fully conductive state and divert current, after which it will reset automatically.

However, under excessive surge conditions, the LPS® PP-2/110 will fail in shorted mode to earth, securing the protection of the equipment.

For effective protection, this device should be installed at both ends of a cable, especially when connecting equipment are located more than 30 metres away, in adjacent buildings or outdoors.

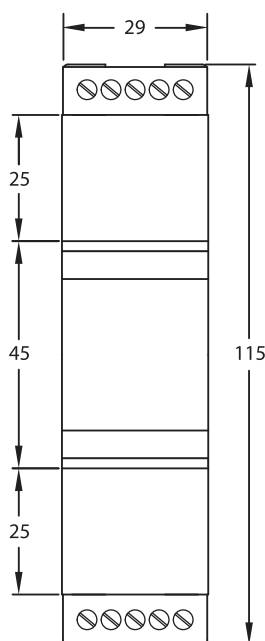
HIGHLIGHTS

- ▶ **It protects instrumentation interfaces using the 110 V DC power supply and PA equipment using 100 V line systems**
- ▶ **It uses a floating earth configuration**
- ▶ **It is a 3-stage hybrid protector**
- ▶ **It provides both common and transverse mode protection systems**
- ▶ **It is housed in a fail-safe metal enclosure with a DIN rail/panel mount**

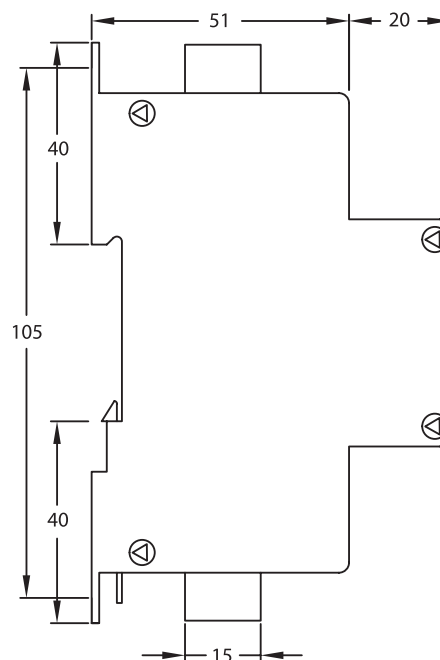
Technical Specifications

| Technical Data | PP-2/110 |
|--|-----------------------------|
| Protected Wires | 2 |
| Nominal Operating Voltage | ±110 V DC |
| Maximum Operating Voltage | ±127 V DC |
| Standard Clamp Voltage @ 1 mA | 150 V |
| Let-through Voltage (Line to Line) ITU – T K.21, 4 KV 10/700 μs, 100 A 5/310 μs | 240 V |
| Earth Polarity | Floating |
| Maximum Loading Current | 5 A |
| Maximum Surge Current @ 8/20 μs Total | 27 kA |
| Maximum Surge Current 8/20 μs per Mode | 9 kA |
| Protection Modes | Common and Transverse Modes |
| Connector Interface | Pluggable Screw Terminal |
| Mounting Interface | DIN-rail / Panel Mount |
| Operation and Storage Temperatures | - 40° C to 70° C |
| Maximum Conductor Size | 2.5 mm ² |
| Weight | 240 g |
| Warranty | 5 years |

Dimensions



Top View



Side View

All dimensions in millimetres

All the above specifications are subjected to changes without prior notice.
Customised products are available upon request.

Awarded the National Mark of
Malaysian Brand 2015



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