

# TECHNICAL DATA SHEET

## LPI® PA System Protector



### Features

- PA Protector, single pair, 50 kA L-L, Suitable for 100 V line PA systems
- High performance surge protector
- Fully automated with all protection components self-resetting once surge impulse has passed
- Protection for Distributed PA Systems
- IP65 rated weatherproof housing for outdoor installation
- 230 V DC
- High impulse discharge current rating – 50 kA L-L + 25 kA L-E

Ordering code:	PAP-230V
Connectors:	1 x M4 earth stud
Clamping Voltage: (1kV/us impulse)	< 595 V
Maximum Impulse Current: (8/20us impulse)	50 kA L-L 25 kA L-E
Operating Temperature:	- 40°C to +50°C, 0 – 90%
Dimensions:	115 x 65 x 55 mm
Enclosure:	IP65 rated ABS Cable entry via IP65 rated cable glands
Warranty:	5 years – Contact LPI for full warranty details
Weight:	300 g

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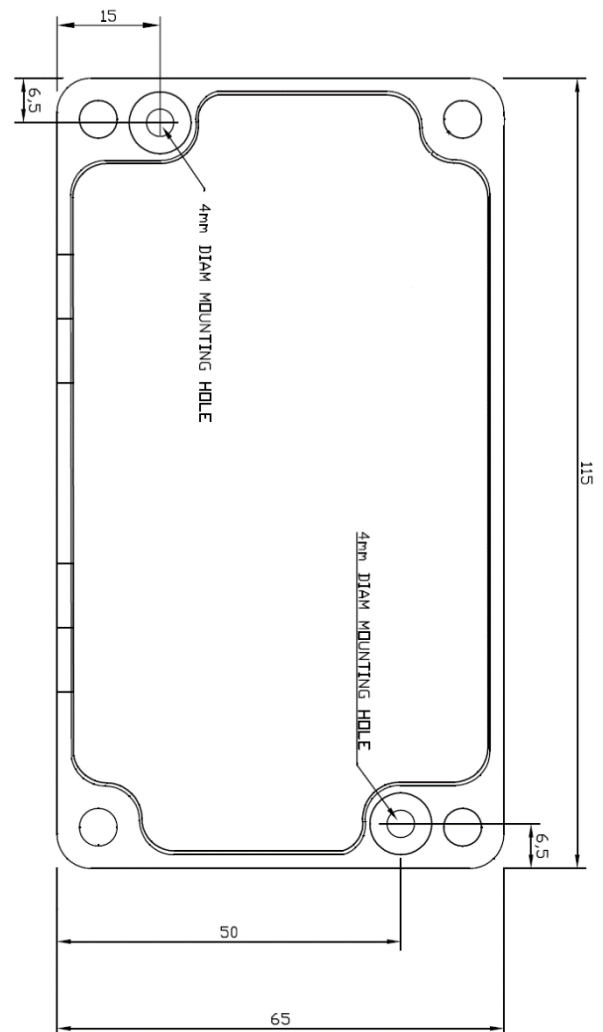
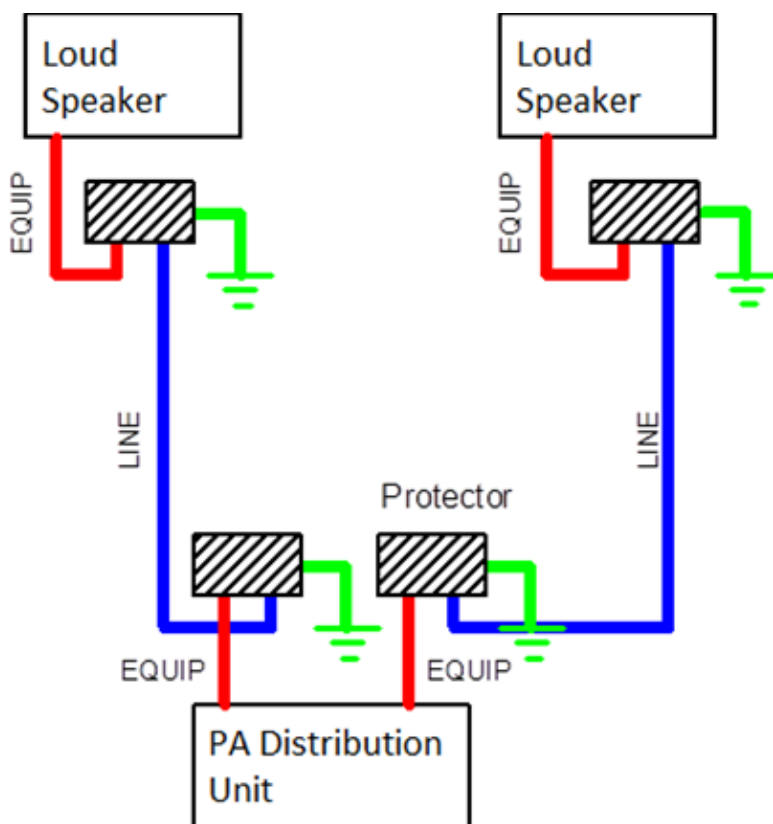
**Installation**

To provide complete protection and ensure correct operation of the protector unit, one PAP-230V unit should be installed at each end of an exposed cable run.

1. Remove the lid from the PAP-230V unit to access the mounting holes. Mount the unit in the desired location with the cable glands facing down to avoid water ingress into the housing.
2. Connect the line cable to the input marked "LINE" and the equipment cable to the input marked "EQUIP". Secure the cable glands firmly around the cables.
3. Connect a minimum 2.5 mm<sup>2</sup> earth cable to the earth terminal post on the side of the housing. This should then be connected to the nearest earthing point via the shortest, most direct route.
4. Replace the lid and tighten the fixing screws. The unit is now installed.

**Typical Installation:**

One PA Protector should be installed at each item of equipment of the exposed cable run. This will ensure all equipment is adequately protected from induced surges on the cable.



Head Office | 49 Patriarch Drive, Huntingfield Tasmania, Australia 7055  
 Postal | PO Box 379 Kingston, Tasmania, Australia 7051  
 Web | www.lpi.com.au

Phone | +61 3 6281 2475  
 Facsimile | +61 3 6229 1900  
 Email | info@lpi.com.au