



Lightning Protection System Sdn. Bhd. (362924-D)

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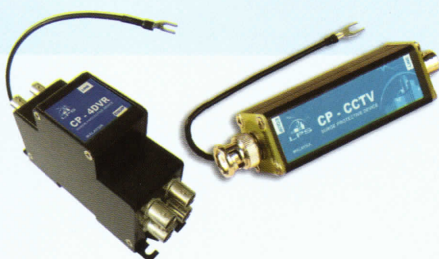
LPS™ Data Line Surge Protective Devices

LPS™ offers a comprehensive range of 9 different series of Signal Line Surge Protective Devices (SPD). In total, there are more than 40 different products catering for every different needs -- from normal incoming telephone lines to the highly sophisticated very low voltage driven equipment. These LPS™ SPDs are designed to protect electronic equipment I/O ports and power supply ports from lightning induced surges onto the signal cable, ground potential difference between equipment and electromagnetic coupling. These scenarios are more common when connecting equipment are located more than 30 meters away, in adjacent buildings or outdoors.

The configuration of LPS™ Data Line SPDs offers from 3 to 7 stages of hybrid protection. When electrical surge occurs, these LPS™ SPDs will switch to a fully conductive state and divert high current to ground and between wires. Then it will reset automatically to the non-conductive state when the current falls below the holding current. Under excessive surge conditions, these devices will fail in short circuit mode to earth keeping the circuit protected.

CP SERIES

Coaxial Protection with BNC connectors for protection of coaxial communication lines i.e. video circuit, LAN, etc.

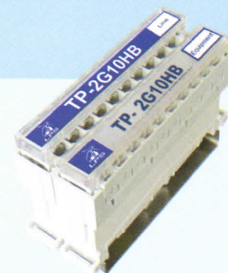


TP SERIES

Twisted Pair Protector for protection of LAN, telephone lines, RS 232 etc.



Twisted Pair Protector with LSA-Plus compatible disconnection block and base mounting frame that is ideal for PABX system



DL SERIES

Data Line Protector with screw terminal that protects both wires and shield twisted pair cables of high speed signal i.e. RS 485, LAN, data etc



PP SERIES

Power Protector with screw terminal for protection from 12VDC to 110VDC or RMS 12V to 100V AC, maximum loading current of 5 A.



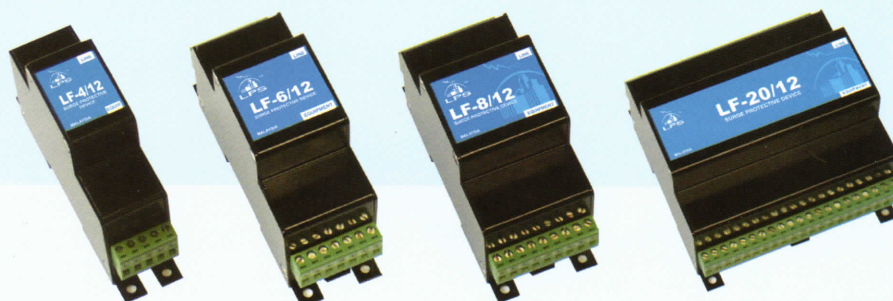
AC SERIES

Compact design 240V AC, single phase power protector with LED Indicator and 25,000 amps surge capacity



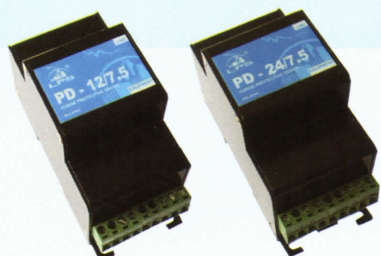
LF SERIES

Low Frequency protector with screw terminal for protection from 12V to 48V signal of instrumentation interfaces and equipment such as intercom, lift system, fire alarm, weighbridge, etc.



PD SERIES

Protects both power (12-48 VDC) & data circuit such as RS 485, RS 422 / 423 etc up to 100MHz. Ideal for long range card reader for Vehicle Access System.



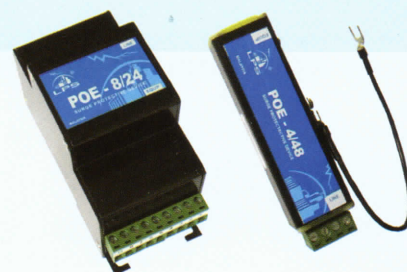
PC SERIES

Provides both AC power and Coaxial Video protection. Ideal for AC powered CCTV camera.



POE SERIES

Protects both power (12-48VDC) & data transmission such as RS 485, RS 422 / 423 etc. Ideal for IP CCTV, ISP Systems, Power over Ethernet.



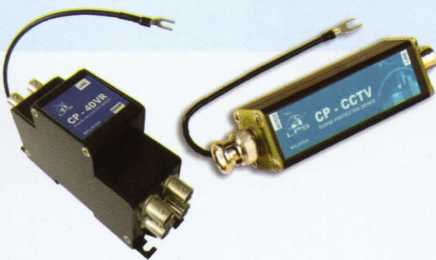
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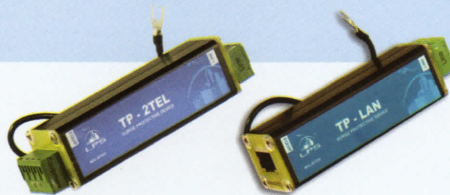
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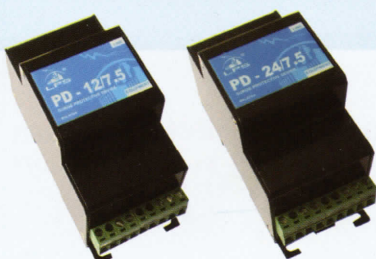
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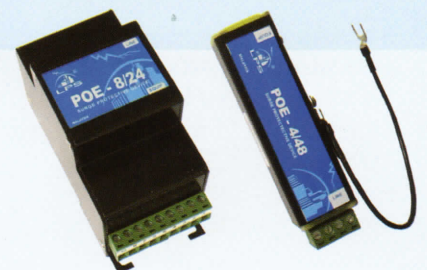
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LPS™ Power Line Surge Protective Devices

We have over 20 products in our PM and RM series to protect any electronic and electrical equipments from lightning surges on power system. These devices offer various surge capacity ranging from 25,000 to 320,000 amps per phase with common and differential protection modes. They can be used to protect instrumentation equipments, distribution boards, sub-switchboards, main switchboards, remote utilities and critical installations that require continuous protection.

The key product features are as follows:

- Low Let-through Voltage
- Full Mode Protection
- Thermal Cut-Out
- Fail-safe enclosure
- LED Status Indicator
- *For 3-phase and RM Series:*
 - Advance Remote Monitoring
 - Audible Alarm
- *For RM Series dedicated for remote areas that require continuous protection:*
 - Built-in fuse switch for redundant modules field replacement

Recommended Selection of SPD

Panel Current Consumption	Surge Capacity Per Phase	TT-System		TN-System	
		1-phase	3-phase	2-phase	3-phase
200 amps & below	25kA 75kA* <small>(* with redundant protection for outdoor equipment / remote sites)</small>	PM 25-240 PM 75-240	PM 25-415Y	-	-
500 amps & below	40kA	PM 40-240	PM 40-415Y	PM 40-130	PM 40-220 PM 40-480
800 amps & below	80kA	PM 80-240	PM 80-415Y	PM 80-130	PM 80-220 PM 80-480
2,000 amps & below	120kA	-	PM 120-415Y	-	PM 120-220 PM 120-480
	160kA	-	RM 160-415Y	-	PM 160-220 PM 160-480
5,000 amps & below	240kA	-	RM 240-415Y	-	PM 240-220 PM 240-480
	320kA	-	PM 320-415Y	-	PM 320-220 PM 320-480

For urban cities and indoor equipment only. Otherwise upgrade 1 step



Corporate Overview

Lightning Protection System Sdn Bhd (LPS™) was founded in 1995 by the present MD, Mak Ming Hung. Prior to his settlement in Malaysia, he was operating Gamma Laboratories Limited in Hong Kong – the most successful company which controlled over 80% lightning protection market then in Hong Kong.

This chartered electrical engineer ventured into the Malaysian business scenario via lightning consultancy services and trading of lightning protection equipment. Today, LPS™ has emerged as a leading lightning protection manufacturing and consultancy company with an extensive network throughout Malaysia and in most parts of Asia.

Over the years, LPS™ has successfully developed over 60 different Surge Protective Devices. All these products have to go through very extensive research works that combined state-of-the-art technologies from Australia and Europe. They also subject to the highly stringent quality control standard prior to full production in Malaysia.

LPS™ obtained its ISO 9001 certification in 2006 and became a member of International Lightning Protection Association in 2008.

Vision, Mission & Philosophy

LPS™ wants to be known as the most desirable business partner in Lightning Protection System by consistently anticipating and surpassing clients' expectations in product quality, timely delivery, quality assurance, value added and technical support.

We firmly believe in:

Dependability

We only manufacture exceptional quality products which are / have:

- highly durable and reliable
- user friendly and safe
- aesthetic design

We train our staff on the importance of:

- on-time delivery
- responsive and good technical support
- value engineering
- more efficient way of doing things

Research & Development

Continuously strive for product excellence via the adoption of the latest technologies, materials and the relevant feedbacks from customers.

True Partnership

Only work with suppliers and contractors who share our corporate philosophies.





Sole Agent:

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Authorised Dealer: