

## Commercial/Industrial Surge Suppression **Panelmount Surge Protection Device 208/120V 160KA w/Disconnect**



High quality TVSS for datacenters, industrial facilities and commercial buildings.

**Includes:** Front panel sticker(s), User Manual

**Standard Lead Time:** Usually Ships within 3 Weeks

**PMF4D Features**

Manual disconnect switch	Enables the surge supressor to be de-energized for service without disconnecting the protected load.
NEMA 1 enclosure	Meets the requirements of a NEMA 1 enclosure for indoor applications.
Replaceable surge protection modules	Allows you to use any combination of APC rack-mount surge protection modules and replace them quickly and conveniently if needed.
Protection Working Indicator	SurgeArrest will warn you if its circuitry has been damaged by heavy strike or power line surge and it is unable to provide 100% protection. If still under warranty, APC will then replace your damaged SurgeArrest free of charge.
Audible Alarms	Provides notification of changing utility power and UPS conditions.
Lightning and Surge Protection	To prevent damage to your equipment from power surges and spikes.
Remote monitoring capability	
Low Z bussbars	
Patented thermal overload protection	

**Commercial/Industrial Surge Suppression Features & Benefits**

<b>Protection</b>	
Noise Filtering	120kA SurgeArrest models contain EMI/RFI filtering to reduce line noise that can cause data loss and keyboard errors. 40kA and 80kA units do not contain noise filtering components, so they can be used with powerline networking systems (X10, HomePlug, PLC, etc.).
Maximum surge current ratings	40kA, 80kA and 120kA per phase maximum surge current ratings, for all your residential, commercial and individual equipment protection needs.
<b>Safety</b>	
Catastrophic Event Protection	SurgeArrest Panelmount SPDs are equipped with fuses and thermal disconnects that react quickly to protect against dangerous high and low current wiring faults as well as other catastrophic surge events. These panelmount SPDs are passive, and continue to allow power through to your home or building if any of the surge components are damaged.
<b>Convenience</b>	
Status Indicator LED's	LED status indicators for each phase and an audible alarm provide immediate failure notification when suppression circuitry has been damaged by a heavy strike or surge.
Physical Size	For easy installation inside your circuit breaker panel (40kA model) or next to your power distribution panels. (80kA and 120 kA models)
Chase nipple connection	Allows for mounting of the PM2X units rigidly to the side of your panelboard.

# Input

Nominal Input Voltage	208V 3PH
Input Frequency	50/60 Hz
Input Connections	Hard Wire 5-wire (3PH + N + G)

# Surge Protection and Filtering

Surge energy rating	5500 Joules
EMI/RFI Noise rejection (100 kHz 50 dB to 10 mHz)	
Peak Current Normal Mode	160 (/PH) kAmps
Peak Current Common Mode	160 kAmps
NM Surge Response Time (ns)	1 ns

# Physical

Net Weight	13.18 KG
Maximum Height	406.00 mm
Maximum Width	356.00 mm
Maximum Depth	159.00 mm
Shipping Weight	14.55 KG
Shipping Height	533.00 mm
Shipping Width	445.00 mm
Shipping Depth	292.00 mm
SCC Codes	10731304020049
Color	Grey

# Environmental

Operating Environment	-40 - 60 °C
Operating Relative Humidity	0%
Operating Elevation	0-3000 meters
Storage Temperature	-55 - 60 °C
Storage Relative Humidity	0%
Storage Elevation	0-3000 meters

# Conformance

Regulatory Approvals	UL 1283,UL 1449,cUL Listed
Standard Warranty	5 year repair or replace
UL 1449 TVSS Rating	400V