



The **ASCO Model 186** is a 19" rackmount, 48 channel modular high-speed data line surge protector that utilizes a three-stage hybrid design topology to protect critical Category 6 equipment from damaging transient voltages. Model 186 is ideal for network switches, hubs and other sensitive IT equipment.

### Key Specs

- **Voltage:** 0-57 VDC
- **Current:** 150mA per Pin
- **Connection:** RJ-45 Input + Output
- **Mounting:** 19" Rackmount (1U)

*\*See Ordering Information for model number selection*

### General Technical Specifications

Operating Voltage	57 VDC
Clamping Voltage	68 VDC
Operating Current	0.15 Amps per Pin Continuous
Peak Surge Current	10kA (8 x 20 $\mu$ s)
Insertion Loss	< 0.5 dB
Modes of Protection	All Lines (1-8) Protected (L-L) and (L-G) Signal High-Low; High-Ground; Low-Ground
Transmission Speeds	10BaseT; 100BaseT; 1000BaseT
SPD Technology	GDT, SAD w/ Series PTC
Configuration Modules	16 Protected Ports (2) Silver 32 Pass-thru Ports (4) Black
Input/Output Connection	RJ-45 Jacks (Shielded)
Ground Terminal	10-32 Stud (located on switch side)
Operating Temperature	-40°C to +85°C
Dimensions (in / mm)	1.75" H (1U) x 19.0" W x 7.9" D [44.5 x 482.6 x 200.7 mm]
Material	Aluminum, Conductive Chromate Finish
Weight (lb / kg)	5.8 lb [2.63 kg]
Certifications	IEEE802.3af, 802.3at

### Features

- Exceeds Category 6 transmission values
- Three stage hybrid circuit
- Replaceable modules
- EMI shielded enclosure
- 5 year warranty

### Certifications

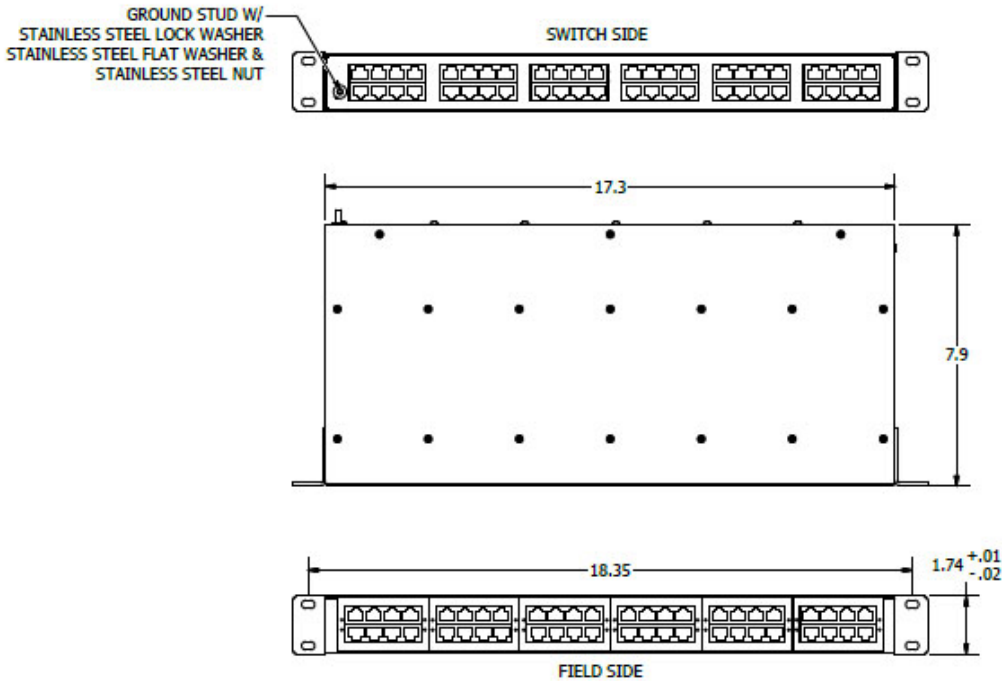
- Meets POE requirements IEEE802.3af
- Meets POE+ requirements IEEE802.3at

### DANGER!

Only qualified personnel should install or service this system. Electrical safety pre-cautions must be followed when installing or servicing this equipment. To prevent risk of electrical shock, turn off and lock out all power sources to the unit before making electrical connections or servicing.

Seulement le personnel qualifié doit installer ou maintenir ce système. Des précautions de sécurité en électricité doivent être suivies lors de l'installation ou de la maintenance de cet équipement. Pour éviter tout risque de choc électrique, débranchez et verrouillez toutes les sources d'alimentation de cet équipement avant de.

## Installation Instructions



### Read and Understand These Instructions

1. Model 186 is designed to be installed in a standard 19" equipment rack and take up 1 unit (1U) of space. Secure unit to rack using the four slots and four screws (not provided).
2. Make ground connection using #10 AWG wire and a #10 ring terminal from the ground stud on switch side of device to an approved building ground. Wire must be short and straight as possible.
3. Connect incoming field wiring to the RJ-45 connectors on "Field Side" of SPD, (see drawing above). Field wiring that will remain unprotected should be connected to the black ports marked "UNPRTCT". Field wiring that require protection should be connected to the silver ports marked "PRTCT".
4. Connect outgoing wiring from RJ-45 connectors on the switch side of SPD to equipment to be protected, (see drawing above).

### Ordering Information

#### MODEL

**RM-CAT6-1632POE**

#### APPLICATION

16 Protected Ports  
32 Pass-Through Ports