

### Surge Protective Device



The ASCO Model 185 Series are three-stage hybrid SPDs designed to work on multiple-channel Category 6 Power-Over-Ethernet transmission line applications and are ideal for protecting expensive computer and video equipment from damaging surges and transients. POE Transmission lines provide easy access for transients to enter a facility putting vital equipment at risk.

#### General Technical Specifications

Operating Voltage	0-57 VDC
Clamping Voltage	68 VDC
Operating Current	0.75 Amp Per Pin
Peak Surge Current	10kA (8 x 20 μs) Per Pair
Insertion Loss	<0.1 dB
SPD Technology	GDT, SAD, Series PTC
SPD Topology	2-Port Series
Modes of Protection	All Eight Pins Protected Signal High-Low, High-Ground, and Low to Ground
Connection Type	RJ-45 Input & Output
Transmission Speed	10baseT, 100baseT, 1000baseT
Operation Temperature	-40°C to +85°C
Operating Humidity	0-95% Non-Condensing
Response Time	<1ns
Enclosure Type	Aluminum
Dimensions (in / mm)	7.91" L x 3.48" W x 1.89" H [201 x 88.5 x 48 mm]
Weight (lb / kg)	4 channel unit: 1.80 lbs [0.82 kg] 8 channel unit: 2.12 lbs [0.96 kg]
Warranty	5 Year

#### Caution

Do not place this product in service on any signal line capable of supplying more than 0.75 Amps continuously.

#### Attention

Ne pas placer ce produit dans le service sur une ligne de signal capable de fournir en permanence plus de 0.75 ampères.

### 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.

### Technical Documentation

#### Key Specs

- **Voltage:** 0-57 VDC
- **Current:** 750 mA
- **Connection:** Input: female RJ-45  
Output: female RJ-45
- **Mounting:** Flange

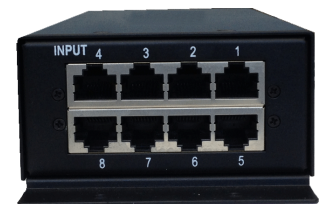
\*See Ordering Information for model number selection

#### Features

- Exceeds Cat 6 transmission values
- Three stage hybrid circuit
- DC over Ethernet all pins
- 4 & 8 channel protection
- 5 year warranty
- IEEE802.3af & IEEE802.3at compliant (POE & POE+)



**185D068S10KXR4N0**



**185D068S10KXR8N0**

## Installation Instructions

1. Mount the SPD as close as possible to the protected equipment and secure.
2. Connect ground wire #12-6 AWG using a #10 ring terminal from the ground stud on the output side of the unit to an approved building ground. Wire must be short and straight as possible.
3. Connect the RJ-45 supply cables (unprotected) to the input side of the SPD.
4. Complete the circuit by connecting from the corresponding RJ-45 connector (output side) to the protected equipment.

## Ordering Information

### MODEL

Former Model Name

### APPLICATION

**185D068S10KXR4NO**

Edco CAT6-POE-4C

4 input / 4 output

**185D068S10KXR8NO**

Edco CAT6-POE-8C

8 input / 8 output

## Dimensional Information

DIM	Measurement
<b>A</b>	<b>7.91" [201.0]</b>
<b>B</b>	<b>3.48" [88.5]</b>
<b>C</b>	<b>1.89" [48.0]</b>
<b>D</b>	<b>8.74" [222.0]</b>
<b>E</b>	<b>1.54" [39.0]</b>
<b>F</b>	<b>0.20" [5.0]</b>
<b>G</b>	<b>0.16" [4.0]</b>
<b>H</b>	<b>0.36" [9.15]</b>
<b>K</b>	<b>1.30" [33.0]</b>
<b>L</b>	<b>9.23" [234.4]</b>

