

### Surge Protective Device



The **ASCO Model 185** is designed for use with Category 6 Power-Over-Ethernet transmission line applications. The Model 185 limits surges and transients at computers and video equipment.

Transmission lines provide easy access for transients to enter a facility putting vital equipment at risk. The ASCO 185D068S10KXRGN0 is available with an isolated ground to be used at the equipment end in order to prevent circulating ground currents.

General Technical Specifications		
	185D068S10KXRJN0	185D068S10KXRGN0
Operating Voltage	0-57 VDC	
Clamping Voltage	68 VDC	
Operating Current*	0.75 Amp Per Pin	
Peak Surge Current	10 kA (8 x 20 µs) Per Pair	
Insertion Loss	< 0.1 dB	
Topology	Two Port Series	
Modes of Protection	All Lines (1-8) (L-L) and (L-G) Signal High-Low; High-Ground; Low-Ground	
Transmission Speeds	10BaseT; 100BaseT; 1000BaseT	
SPD Technology	GDT, SAD, Series PTC	
Input/Output Connection	RJ-45 Jacks (Shielded)	RJ-45 Jacks (Isolated)
CAT 5 Output Cable	Shielded RJ-45, 7" (.18M)	Unshielded RJ-45, 7" (.18M)
Ground Terminal	10-32 Stud	10-32 Stud (Isolated)
Operating Temperature	-40°C to +85°C (operating current adjusted to 40% @ +85°C)	
Operating Humidity	0-95% Non-Condensing	
Dimensions (in / mm)	5.394" L x 1.600" W x 1.654" H [137.0 x 40.6 x 42.0 mm]	
Material	Aluminum	
Mounting	Flange	
Weight (oz / g)	5 oz [142 g]	
Certification	UL 497B Listed, Tested to IEC 802.11 (Complies to IEEE 802.3AT and 802.3AF)	
Limited Warranty	5 Year	

### Technical Documentation

#### Key Specs

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

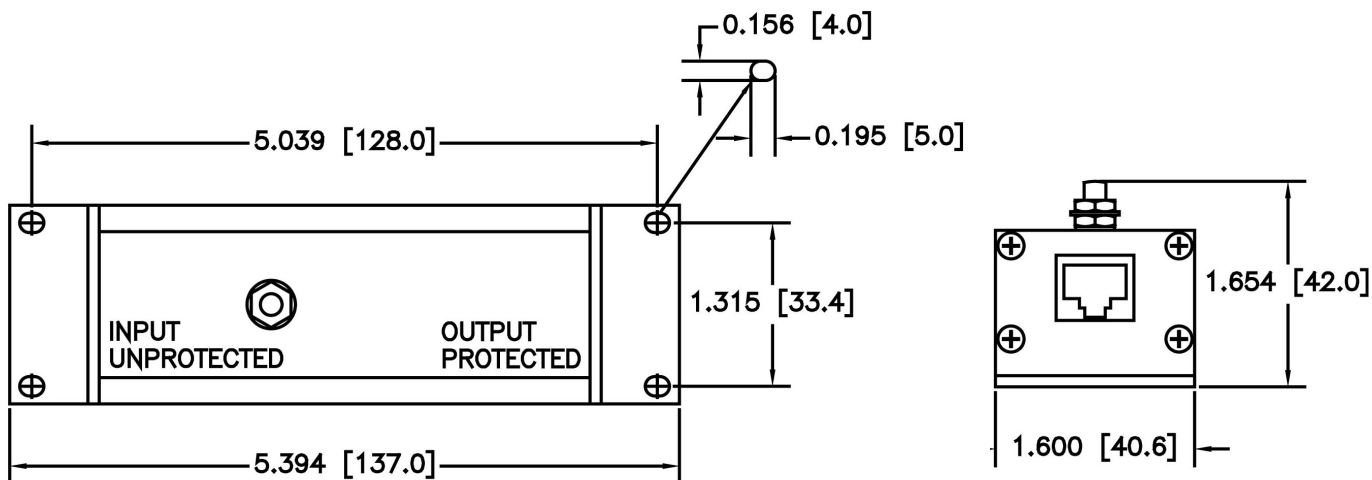
#### Features

- Exceeds Category 6 transmission values
- Three stage hybrid circuit
- DC over Ethernet all pins
- Optional DIN mounting kit

#### Certifications

- UL 497B Listed
- IEEE802.3af & IEEE802.3at compliant (POE & POE+)

## Dimensional Information



## Ordering Information

### MODEL

Former Model Name

### APPLICATION

**185D068S10KXRJN0**

*Edco CAT6-POE*

CAT6 Protection

**185D068S10KXRGN0**

*Edco CAT6-POE-I*

CAT6 Protection with  
Isolated Ground

### ACCESSORIES *Former Accessory Name*

**C6DIN** *11604KIT-C6*

Single unit DIN Mounting Kit \*  
(Sold Separately)

*\*Includes DIN clips and hardware to mount a single unit.*