



## Edco CAT6-POE Series

CAT6 Power-Over-Ethernet

■ Surge Protection  
For *Business-Critical Continuity™*

The Edco CAT6-POE Series is designed to work on Category 6 Power-Over-Ethernet transmission line applications and is ideal for protecting expensive computer and video equipment from damaging surges and transients.

Transmission lines provide easy access for transients to enter a facility putting vital equipment at risk. The Edco CAT6-POE-I is available with an isolated ground to be used at the equipment end in order to prevent circulating ground currents.

Up to four Edco CAT6-POEs can be installed using optional Edco C6-MP4 mounting bracket.



### General Technical Specifications

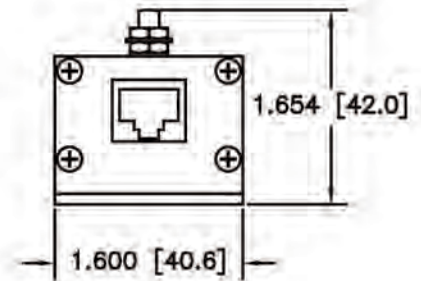
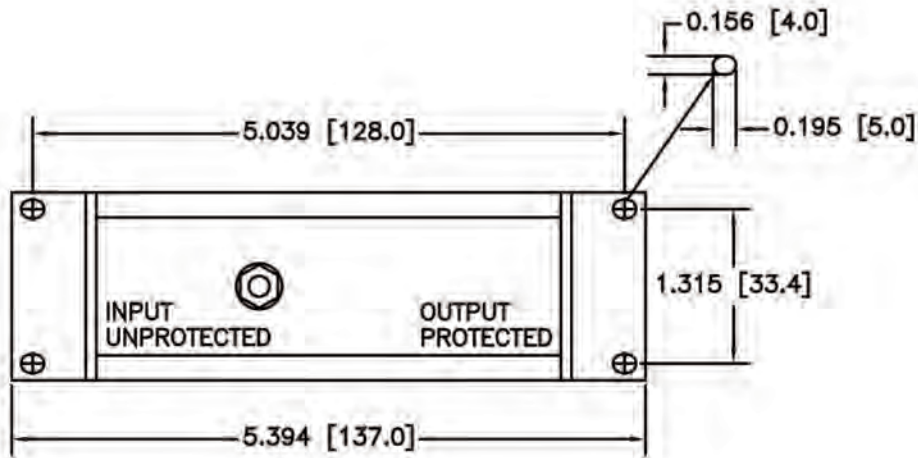
	CAT6-POE	CAT6-POE-I
Operating Voltage	48 VDC	
DC Breakover Voltage	68 VDC	
Operating Current	0.75 Amps per Pin Continuous	
Peak Surge Current	10kA	
Insertion Loss	< 0.1 dB	
Topology	Two Port Series	
Modes of Protection	All Lines (1-8) Protected (L-L) and (L-G) Signal High-Low; High-Ground; Low-Ground	
Transmission Speeds	10BaseT; 100BaseT; 1000BaseT	
SPD Technology	GDT; PTC; SAD	
Input/Output Connection	RJ-45 Jacks (Shielded)	RJ-45 Jacks (Isolated)
CAT 5 Output Cable	Shielded RJ-45, 7.0 (.18M)	Unshielded RJ-45, 7.0 (.18m)
Ground Terminal	10-32 Stud	10-32 Stud (Isolated)
Operating Temperature	-40°C to +85°C	
Dimensions	5.4" (L) x 1.6" (W) x 1.7" (H)	
Material	Aluminum	
Mounting	Flange	
Weight	5 oz	
Certification	UL 497B Listed, Tested to IEC 802.11 (Complies to IEEE 802.3AT and 802.3AF)	
Warranty	5 Year	

### Features

- Exceeds Category 6 transmission values
- Three stage hybrid circuit
- DC over ethernet all pins
- Optional mounting bracket
- 5 year warranty

## Installation

1. Mount device as close as possible to protected equipment using #6 screws and mounting holes provided in flanges .
2. Run supply cable with RJ-45 connector to input side of device.
3. Use CAT5 output cable (provided) to connect from the output of the device to protected equipment.
4. Attach #10 ground wire using 10-32 ring terminal (not provided) to 10-32 ground stud on top of device, connect opposite end of wire to "building approved ground". Wire should be short and straight as possible.



### Optional Mounting Bracket, (Sold Separately):

Part Number: C6-MP4

Bracket accommodates up to four CAT6-POE surge protectors. Bracket's ground lug allows all devices to share one single ground connection.

**Emerson Network Power.**  
The global leader in enabling  
Business-Critical Continuity™.

■ AC Power  
■ Connectivity  
■ DC Power

■ Embedded Computing  
■ Embedded Power  
■ Infrastructure Management & Monitoring

■ Outside Plant  
■ Power Switching & Control  
■ Precision Cooling

■ Racks and Integrated Cabinets  
■ Services  
■ **Surge Protection**

### Emerson Network Power Contact Information

#### Headquarters

Surge Protection  
100 Emerson Parkway  
Binghamton, NY 13905  
T: (607) 721-8840  
T: (800) 288-6169  
F: (607) 722-8713  
E: [contactsurge@emerson.com](mailto:contactsurge@emerson.com)

[www.emersonnetworkpower.com/surge](http://www.emersonnetworkpower.com/surge)

