



The **ASCO Model 151** Series are multi-stage single pair or two pair surge suppressors designed for high exposure applications. These products were specifically designed to meet multiple low voltage protection applications in the fire and security industries.

### Key Specs

- **Operating Voltage Up To:** 36 VDC
- **Current:** 2.5 Amp
- **Connection:** Hardwire/Terminal Block- accepts up to 12 AWG
- **Mounting:** Flange

\*See Ordering Information for model number selection

### General Technical Specifications

Operating Voltage	24 - 36 VDC
Clamping Voltage	33 - 43 VDC
Operating Current	2.5 A
Peak Surge Current	10 kA (8 x 20 $\mu$ s)
Frequency Range	0 to 10 MHz
Insertion Loss	< 0.1 dB at 10 MHz
SPD Technology	GDT, SAD, w/ Series Inductor
Connection Type	Terminal block w/ compression lugs Terminals accept up to 12 AWG
Operating Temperature	-40°C to +85°C
Dimensions (in / mm)	Single-Pair = 1.5" H x 1.5" W x 2.8" L [38.1 x 38.1 x 71.12 mm] Two-Pair = 2.0" H x 2.0" W x 2.8" L [50.8 x 50.8 x 71.12 mm]
Weight (oz / kg)	Single-Pair = 3.5 oz [0.1 kg] Two-Pair = 7 oz [0.2 kg]
Warranty	5 years
Certifications	UL497B

#### Caution

The hybrid design of this product includes series resistance. Do not place this product in service on any signal line capable of continuously supplying more than 2.5 amperes.

#### Attention

La conception hybride de ce produit inclut la résistance en série. Ne pas placer ce produit dans le service sur une ligne de signal capable de fournir en permanence plus de 2.5 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.

### Features

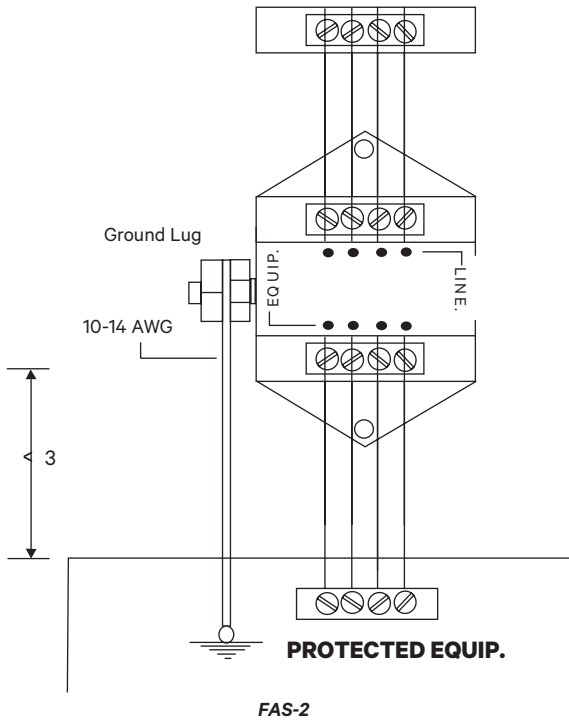
- Surge protection for low voltage data/signal lines
- Multi-stage protection
- Common mode and differential protection mode
- Automatic recovery
- 5 year warranty

### Certifications

- UL 497B

## Installation Instructions

### UNPROTECTED OR FIELD SIDE



### GROUNDING

Install ground in accordance with all applicable codes.

NOTE: DO NOT daisy chain grounds. NOT intended for shield termination.

## Read and Understand These Instructions

### Installation

- Never install data wiring during a lightning storm.
- Disconnect data line before installing the protection module.
- These protectors are intended for indoor use on communication loop circuits which have been isolated from the Public Switch Telephone Network.
- The communication loop circuits shall not be exposed to accidental contact with the electric light or power conductors. The protectors shall be installed per the applicable requirements of the National Electric Code, ANSI/NFPA 70.

## Ordering Information

### MODEL

*Former Model Name*

### APPLICATION

**151D033S10KXN2NO**

*Edco FAS-1-033HC*

24VDC (single pair)

**151D033S10KXN4NO**

*Edco FAS-2-033HC*

24VDC (two pair)

**151D043S10KXN2NO**

*Edco FAS-1-043HC*

24VAC (single pair)

**151D043S10KXN4NO**

*Edco FAS-2-043HC*

24VAC (two pair)

*Other Models Available. Contact Factory.*