



The **ASCO Model 150** surge suppressor directly installs onto electronic circuit wiring terminal screws. This close proximity preserves Model 150's response time, clamping level and ground reference by eliminating lead lengths. Model 150's miniature size fits directly inside fire or security panels, analog video housings and other system electronic enclosures. These features maximize surge suppression performance while reducing hardware and labor costs to install.

General Technical Specifications

Operating Voltage	40 VDC
Clamping Voltage	43 VDC
Operating Current	2 A
Peak Surge Current	46.5 A (10 x 1000 μ s)
Frequency Range	0 to 20 MHz
Insertion Loss	< 0.1 dB at 20 MHz
SPD Technology	Silicon Avalanche Diode (SAD)
Connection Type	Terminal block w/compression lugs Terminals accept up to 12 AWG
Operating Temperature	-40°C to +85°C
Dimensions (in / mm)	1.3" H x 0.4" W x 2.0" L [33 x 10 x 51 mm]
Weight (oz / kg)	0.6 oz [0.02 kg]
Certifications	UL 497B
Warranty	5 years

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.

Key Specs

- **Voltage:** 0-40 VDC
- **Current:** 2 Amp
- **Connection:** Hardwire/Terminal Block - accepts up to 12 AWG
- **Mounting:** Mounts to wiring terminal screws

**See Ordering Information for model number selection*

Features

- Fits Euro style and barrier strip terminals
- Automatic recovery
- Single pair protection
- High energy silicon avalanche technology
- Operating current > 2 Amps
- Compact size:
1.3" H x 0.4" W x 2.0" L
[33 x 10 x 51 mm]
- 5 year warranty

Certifications

- UL 497B

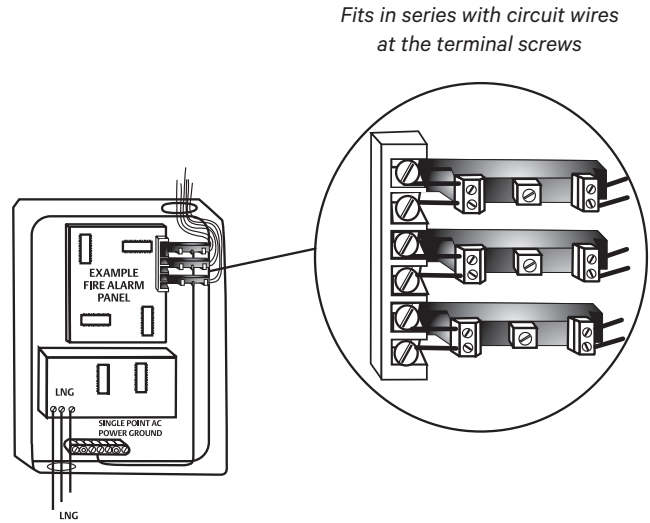
Installation Instructions

Note:

- Install zone or loop circuit wires (1 pair) at the vacant end of the Model 150. Torque terminal screws to 3.5 in. lbs. max.
- Slip the Model 150's Rigid Mounting Prongs into the panels designated Zone or Loop terminals and tighten.
- Using a 16-12 AWG solid wire, attach all Model 150s via the center ground terminal. Run this wire to your panel's "single point" AC power ground or building approved ground. Torque terminal screws to 6.0 in. lbs. max.

Installation:

- A. Never install data wiring during a lightning storm.
- B. Disconnect data line before installing the protection module.
- C. These protectors are intended for indoor use on communication loop circuits which have been isolated from the Public Switch Telephone Network.
- D. 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

150D043S047SN2N0

Edco TER-043

APPLICATION

12 VDC, 24 VDC, 24 VAC Systems
Zone, Buss, Loop, Data, Receive, Bell,
Horn, Strobe, Pan/Tilt & Analog Video