

Surge Protective Device

Technical Documentation



The **ASCO Model 237** surge suppressor is designed to protect AC distribution panel circuits or 120 V power supplies feeding sensitive electronic equipment. Electrically, the unit incorporates MOV and thermal fusing technology. Model 237 is designed to be installed in parallel on standard single phase 120 VAC (L, N, G) circuits.

Key Specs

- **Voltage:** 120 VAC (L,N,G)
- **Current:** 5 kAIC
- **Connection:** Parallel Connection, 14 AWG Wire Leads (provided)
- **Mounting:** Flange

*See Ordering Information for model number selection

General Technical Specifications

Operating Voltage	120 VAC
Total Peak Surge Current	15.5 kA (8 x 20 μs)
Short Circuit Current Rating	5 kAIC
Location Type	Type 2
I-Nominal	3 kA
UL 1449 VPR Rating	700 V (L-N, L-G), 900 V (N-G)
Operating Current	NA, Parallel
Operating Frequency	47-63 Hz
EMI Attenuation (100 kHz to 100 MHz)	> 25 dB
SPD Technology	Metal Oxide Varistors (MOVs)
Modes of Protection	Line-to-Neutral, Line-to-Ground, Neutral-to-Ground
Status Indication	Power On & MOV Functional
Connection Type	#14 Wire Leads, 12" Long
Operating Temperature	-40°C to +85°C
Dimensions (in / mm)	2.5" H x 1.5" W x 3.0" L [63.5 x 38.1 x 76.2 mm]
Weight (oz / kg)	4.2 oz [0.12 kg]
Certifications	ANSI/UL1449 Fourth Edition

Features

- LED indication
- Fast response time
- Thermal fusing
- L-G, L-N & N-G protection
- Compact size
- Liquid tight conduit fitting
- 5 year warranty

Certifications

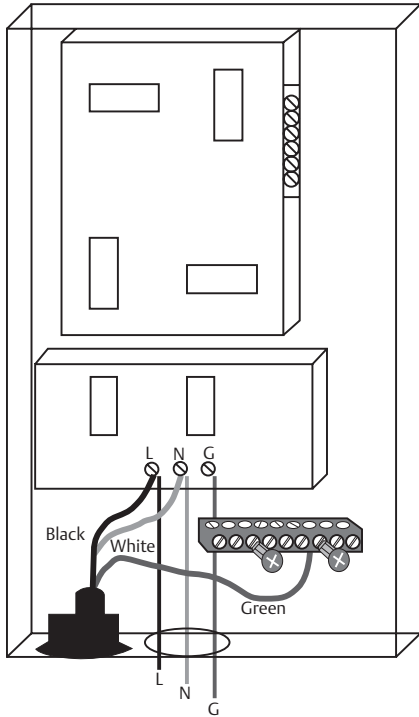
- ANSI/UL 1449 Fourth Edition

DANGER!

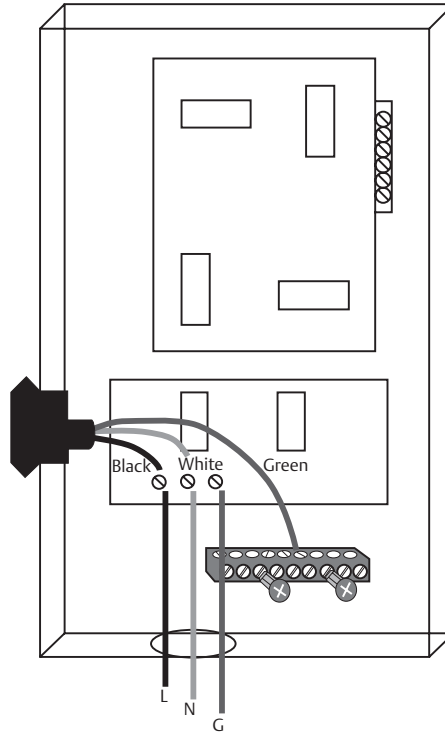
Only qualified personnel should install or service this system. Electrical safety pre-cautions must be followed when installing or servicing this equipment. To prevent risk of electrical shock, turn off and lock out all power sources to the unit before making electrical connections or servicing.

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.

Installation Instructions



**Mounting Inside Fire/
Security Panel**



**Mounting Outside
(closed nipple 3/4")
Fire/Security Panel**

- Connect on load side of main breakers.
- A ground bus can be installed in cabinet to provide a single point ground.
- Keep wires short and straight as possible for best suppression performance.

Installation can be close-nipple up to a distribution panel/circuit or hardwired in parallel up to power supply input terminal screws. Be sure to dress leads as short as possible.

FAILURE INDICATOR:
If failure indicator does not illuminate green the ASCO Model 237 must be replaced.

Closed nipple
(Hardware included)

3/16" [4.76 mm]
holes for mounting
(Hardware not included)



Ordering Information

MODEL

Former Model Name

237120NS15KAWLN0

Edco FAS-120AC

APPLICATION

120 VAC, 2W+G

(Line, Neutral, Ground)