

Surge Protective Device

Technical Documentation



The **ASCO Model 331** surge suppressor is designed for use with AC distribution panel circuits or 120V power supplies feeding sensitive electronic equipment. Electrically, the unit incorporates MOV fusing technology. The Model 331 SPD is designed to be installed in parallel on standard split phase 120/240 VAC (3W+G) or single phase 120 VAC (2W+G) circuits.

Key Specs

- **Voltage:** 120/240 VAC or 120VAC
- **Current:** 42 kAIC
- **Connection:** Parallel Connection, 10 AWG Wire Leads (provided)
- **Mounting:** Flange

Features

- Fast Response Time
- Fused Protection
- Operational Status Indicators
- 5 year limited warranty

General Technical Specifications

Operating Voltage	120/240 VAC or 120VAC
Total Peak Surge Current	80kA/phase
Short Circuit Current Rating	42 kAIC
UL1449 Location Type	Type 2
UL1449 Nominal Discharge Current (I_n)	3 kA
Operating Current	NA, Parallel Connection
Operating Frequency	47-63 Hz
EMI Attenuation (100 kHz to 100 MHz)	> 40 db
SPD Technology	Metal Oxide Varistors (MOVs)
Modes of Protection	Line-to-Line (L-L) Line-to-Neutral (L-N)
Status Indication	Power On & MOV's Functional
Connection Type	10 AWG Wire Leads
Operating Temperature	-40°C to +50°C
Dimensions (in / mm)	4.6" H x 2.2" W x 2.8" L [116.84 x 55.88 x 71.12 mm]
Weight (oz / kg)	13.5 oz [0.38 kg]
Certifications	UL1449 Fourth Edition Listed, Type 2 CSA 22.2 No. 269.2

Ordering Information

MODEL

Former Model Name

331120SP04AWS20

Edco EMC-240B

APPLICATION

with 1/2" [12.7 mm] Chase Nipple

Dimensions

