

### Surge Protective Device



Utilizing bipolar Silicon Avalanche Diode (SAD) technology, **ASCO Model 238** features a two-stage design for use with sensitive equipment and for ANSI/IEEE C62.41 Location Category A applications.

Connected to a single 15 or 20 amp AC circuit, Model 238 places surge protection at, or near, the critical load.

The field-tested design provides surge protection in the most demanding environments, with configurations available for 120 and 240 VAC, single-phase applications.

General Technical Specifications	
Operating Voltage	120 VAC
Max. Continuous Line Voltage	132 Vrms
Clamping Voltage	216 Vpk
Modes of Protection	L-N, L-G, N-G
Peak Pulse Energy Dissipation	L-N: 300 J L-G: 75 J N-G: 75 J
Peak Surge Current (8 x 20)	L-N: 32 kA L-G: 8 kA N-G: 8 kA
Enclosure Type	Extruded Aluminum
Connection Type	Hardwire
SPD Technology	Silicon Avalanche Diode (SAD)
Operating Temperature	-40°C to +50°C
Operating Frequency	50/60 HZ
Response Time	< 5 ns
EM/RFI Noise Attenuation	-13dB maximum, 150 kHz-200 MHz
Status Indication	RJ-11 Jack/Form C Dry Contact
Dimensions (in/mm)	4.0 in. x 4.0 in. x 2.5 in. [101.6 x 101.6 x 63.5 mm]
Weight (lbs/kg)	1.24 lbs [0.56 kg]
Certifications	ANSI/IEEE C62.41-1991
Limited Warranty	5 year

### Ordering Information

#### MODEL

Former Model Name

**238120NS40KAWLN0**

Edco TCS-HWR

#### APPLICATION

120 VAC (2W+G)

### Technical Documentation

#### Key Specs

- **Voltage:** 120 VAC or 240 VAC
- **Current:** N/A - Parallel
- **Connection:** Wire Leads
- **Mounting:** Flange

#### Features

- Provides superior, nondegrading protection using bipolar SAD technology
- Provides independent secondary stage for maximum continued protection
- Includes remote status indication via RJ-11 jack
- Withstands demanding environments with its rugged metal enclosure
- Designed for Individual Circuits