

## Surge Protective Device



The **ASCO Model 160** Surge Protective Devices (SPDs) is a 16-channel coax SPD implementing three-stage hybrid technology. The SPD addresses overvoltage transients with a primary Gas Discharge Tube (GDT), and secondary Silicon Avalanche Diode (SAD)

components. Sneak and fault currents are mitigated with new solid-state resettable fuses — PTCs. The Model 160 SPD is designed in accordance with NFPA 780 (2004 edition) requirements, with up to 20 kA of surge current capability.

## Technical Documentation

### Key Specs

- **Voltage:** 6 VDC
- **Current:** 0.15A
- **Connection:** Coax with BNC
- **Mounting:** 19" Rackmount

*\*See Ordering Information for model number selection*

### General Technical Specifications

Operating Voltage	5 VDC
Clamping Voltage	6 VDC
Operating Current	0.15 A
Peak Surge Current	20 kA (8 x 20 μs)
Frequency Range	0 to 20 MHz
Insertion Loss	< 0.1 dB at 20 MHz
Response Time	< 1 ns
SPD Technology	GDT, SAD, w/ Series PTC
Connection Type	BNC, 50/75 Ohm
Operating Temperature	-40°C to +85°C
Dimensions (in / mm)	1.75" H x 19.0" W x 2.0" D (1U) [44.45 x 482.6 x 50.8 mm]
Weight (oz / kg)	3.2 lbs [1.45 kg]
Certifications	UL 497B
Warranty	1 Year

#### Caution

*Do not place this product in service on any signal line capable of supplying more than 0.15 Amps continuously.*

#### Attention

*Ne pas placer ce produit dans le service sur une ligne de signal capable de fournir en permanence plus de 0.15 ampères.*

### Features

- Compact 1U Rack Size
- Low Insertion Loss
- Three Stage Hybrid
- 16 Channel Protection
- BNC Input/Output
- Sneak/Fault Current Protection
- 5-Year Warranty

### Certifications

- UL 497B

### 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

1. The ASCO Model 160 is designed to be installed in a standard 19" equipment rack and take up 1 unit (1U) of space. Secure unit to rack using the four slots and four screws (not provided)
2. Connect ground wire #12-6 AWG using a #10 ring terminal from the ground stud on backside of unit to an approved building ground. Wire must be short and straight as possible.
3. Connect incoming wire from video equipment to a BNC connector on marked "IN" on front of the Model 160.
4. Complete the circuit by connecting from the corresponding BNC connector marked "OUT" to the video camera being protected.

## Ordering Information

### MODEL

*Former Model Name*

### APPLICATION

**160D006S20KX16N0**

*Edco RM-CX06-16R*

16 Channel Coax, Head End