

### Surge Protective Device

### Technical Documentation



The **ASCO Model 136** SPDs are single pair telephone or data line protectors that implement advanced two-stage hybrid design. These units address over-voltage transients with silicon breakover devices, while sneak and fault currents are mitigated with PTC technology which consists of solid state resettable fuses.

The Model 136 for Alarm Systems replaces the RJ31X jack with a protected version. Four screw terminals are provided to wire the protector in the same manner as a standard RJ31X jack.

The Model 136 for Phone Systems is nearly identical to the Alarm System SPD except without the shorting bars. Two screw terminals are provided to connect Telco Line to protector. Protected equipment such as modems are plugged into female modular jack on the Model 136.

### Key Specs

- **Voltage:** 0-220 VDC
- **Current:** 150mA
- **Connection:** Hardwire or RJ-11
- **Mounting:** Wall Mount

\*See Ordering Information for model number selection

### Features

- < 1 nanosecond response time
- Solid-state silicon breakover technology
- Low capacitance
- Over-current protection
- Line-to-line protection
- Line-to-ground protection
- Polyswitch resettable fuses — PTCs
- 5 year warranty

#### General Technical Specifications

Operating Voltage	52, 180, 220 VDC
Clamping Voltage	60, 200, 270 VDC
Operating Current	0.15 A
Peak Surge Current	160 A (10 x 1000 $\mu$ s T & R to Ground)
Frequency Range	0 to 20 MHz
Insertion Loss	< 0.1 dB at 20 MHz
SPD Technology	Silicon Avalanche Diode w/ Series PTC
Connection Type	RJ or screw terminal in RJ connector or screw terminal out
Operating Temperature	-40°C to +85°C
Dimensions (in / mm)	1.0" H x 2.0" W x 2.0" L [25.4 x 50.8 x 50.8 mm]
Weight (oz / kg)	2 oz [0.06 kg]
Certifications	UL497A, CUL

#### Caution

Do not place this product in service on any signal line capable of continuously supplying more than 150 mA.

#### Attention

Ne pas placer ce produit dans le service sur une ligne de signal capable de fournir en permanence plus de 150 mA.

### 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.

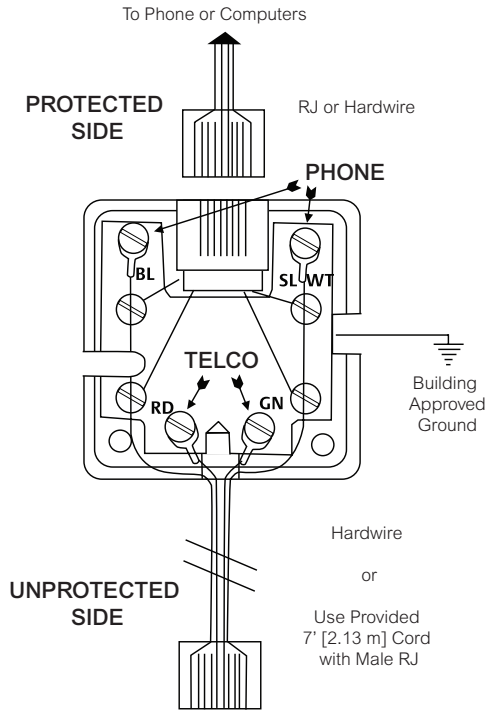
Seulement le personnel qualifié doit installer ou maintenir ce système. Des précautions de sécurité en électricité doivent être suivies lors de l'installation ou de la maintenance de cet équipement. Pour éviter tout risque de choc électrique, débranchez et verrouillez toutes les sources d'alimentation de cet équipement avant de.

### Certifications

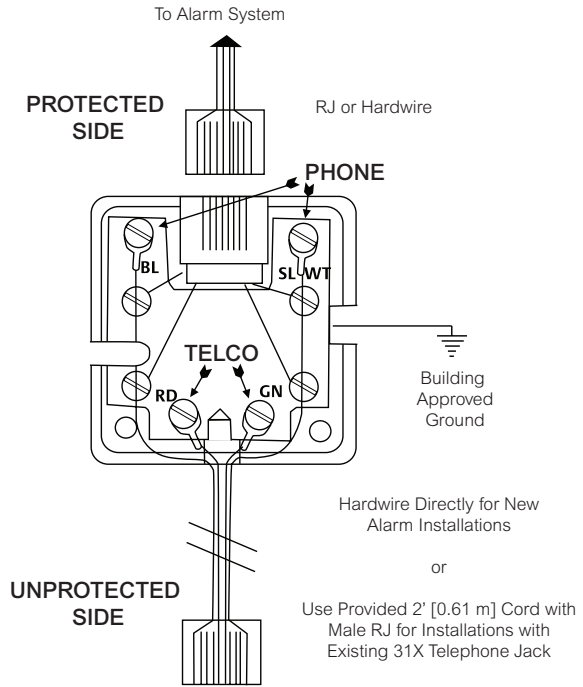
- UL 497A, CUL

# Installation Instructions

## 136D060S160SRJN0 or 136D200S160SRJN0



## 136D270S160SRJN0



### Ordering Information

Other configurations available, please contact factory.

#### MODEL

Former Model Name

#### APPLICATION

#### 136D060S160SRJN0

Edco FAS-TEL-060G

Digital Phone

#### 136D200S160SRJN0

Edco FAS-TEL-200T

Analog Phone/Fax/Modem/DSL

#### 136D270S160SRJN0

Edco FAS-31XT

Alarm System Phone