

#### Surge Protective Device

#### Technical Documentation



The **ASCO Model 145** is a modular device utilizing solid state silicon foldover technology. Model 145 is designed for any traffic controller cabinet equipped with 6 position, 5.08mm spacing sockets wired in line with load relay outputs.

#### Key Specs

- **Voltage:** 0-75 VDC
- **Connection/Mounting:** 6-Position 5.08mm Euroblock

*\*See Ordering Information for model number selection*

#### General Technical Specifications

|                       |   |
|-----------------------|---|
| Operating Voltage     | 75 VDC  |
| Clamping Voltage      | 130 VDC   |
| Peak Surge Current    | 250 A (8 x 20 $\mu$ s)                              |
| SPD Technology        | Silicon Avalanche Diode (SAD)                       |
| Connection Type       | 6 position 5.08 mm Euroblock                        |
| Operating Temperature | -40°C to +85°C                                      |
| Dimensions (in / mm)  | 2.0" H x 0.7" W x 1.5" L<br>[50.8 x 17.8 x 38.1 mm] |
| Weight (oz / kg)      | 2 oz [0.06 kg]                                      |

#### Caution

*This product could become excessively hot and rupture in the rare event of power line conditions or surge that exceed its rated operating specification. Appropriate precautions should be exercised. High voltages are present on electrical termination. Unit should be serviced by qualified personnel only.*

#### 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.

#### Features

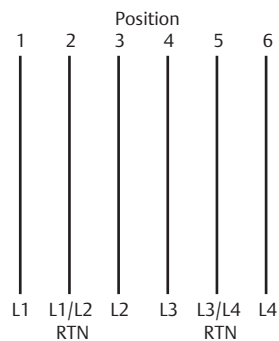
- Modular design
- Fits 6, 5.08 mm spacing sockets
- Differential and common mode protection
- Easy installation
- 5 year warranty

## Installation Instructions

One Model 145 SPD is used for each two loop detectors to be protected.

Units are installed as close as practical to the point where the detector loop wires enter the controller cabinet.

## Pin Out Configuration



## Ordering Information

Other configurations available, please contact factory.

### MODEL

Former Model Name

### APPLICATION

**145D130S250SA6N0**

Edco MRA-6LC-6

Two-Loop Protection Module,  
6-Position 5.08mm Euroblock