



The **ASCO Model 172** is designed for two pairs of wires specifically for alarm and security systems where operating currents can be as high as 5 Amps. Electrically, the Model 172 is a series hybrid implementing a staged complement of MOVs, copper wound inductors and Silicon Avalanche Diodes. This design reduces series resistance to 0.2 ohms per pair. The Model 172 mates with a PCB1BWKEY gold-plated female terminal connector accessory.

The Model 172 modules plug into a base accessory (PCB1BWKEY). The base accessory can be mounted to any flat surface and should be located as close as practical to the equipment.

Key Specs

- **Voltage:** 0-70 VDC
- **Current:** 5 Amp
- **Connection:** Modular; Hardwire into base
- **Mounting:** Punch into keyed base/DIN

Features

- Three-stage hybrid protection
- Differential protection
- Common mode protection
- Plug-in module
- Automatic recovery
- Fast response time
- Continuous current up to 5 Amps
- Requires accessory PCB1B base
- PTU (Pass Thru Unit) available for troubleshooting
- 5 year limited warranty

General Technical Specifications

Operating Voltage	24 - 70 VDC
Clamping Voltage	30 - 100 VDC
Operating Current	5 A
Peak Surge Current	10 kA (8 x 20 μ s)
Frequency Range	0 to 10 MHz
Insertion Loss	< 0.1 dB at 10 MHz
SPD Technology	MOV, SAD, w/ Series Inductor
Connection Type	Terminal block w/ compression lugs Terminals accept up to 10 AWG
Operating Temperature	-40°C to +85°C
Dimensions (in / mm)	3.7 in. H x 1.75 in. W x 2.375 in. L [94 x 44.45 x 60.33 mm] (172 + PCB1BWKEY Base)
Weight (oz / kg)	8 oz [0.23 kg]
Certifications	UL 497B

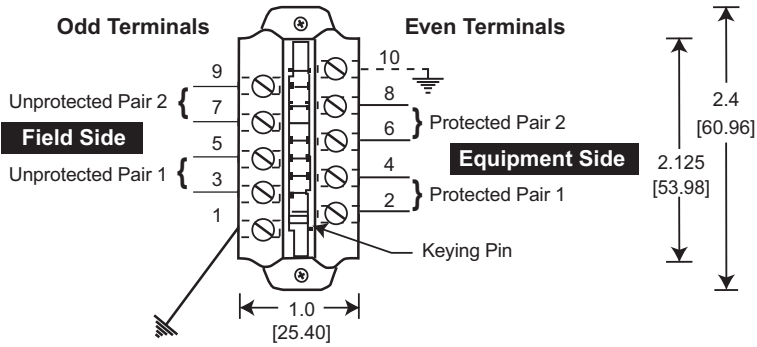
Certifications

- UL 497B

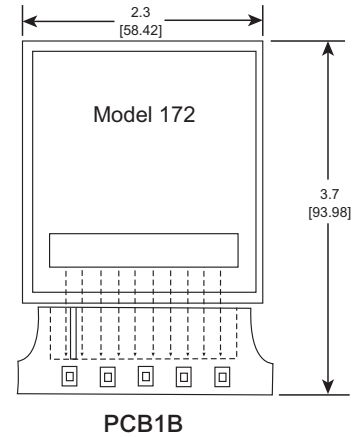
Dimensions

DRAWING 1

PCB1B Accessory Terminal Assignments



DRAWING 2



Ordering Information

Other configurations available, please contact factory.

MODEL Former Model Name	OPERATING VOLTAGE	CLAMPING VOLTAGE
172D015S10KXPCN0 <i>Edco PHC-015</i>	12 VDC	15 VDC
172D030S10KXPCN0 <i>Edco PHC-030</i>	24 VDC	30 VDC
172D043S10KXPCN0 <i>Edco PHC-043</i>	36 VDC	43 VDC (for Horn, Bell, Strobes)
172D060S10KXPCN0 <i>Edco PHC-060</i>	52 VDC	60 VDC
172D100S10KXPCN0 <i>Edco PHC-SP70</i>	70 VDC	*100 VDC

*Not UL Listed

ACCESSORIES

Former Accessory Name

PCB1BWKEY	Wiring Base, Plug-in Socket
11604KITPC	DIN Mounting Kit for PCB1BWKEY
PC642PTU	Pass Through Module for Troubleshooting