



ACCESSORY SOLD SEPARATELY

The **ASCO Model 170** is an access control protection module designed for typical Wiegand outputs for access devices. This is a 5-wire module that accommodates low voltage data lines for 5 VDC circuits. Fifth wire power protection will allow up to 24 VDC.

In addition, sneak and fault currents are mitigated with resettable fuses (PTCs). The PTCs increase resistance several orders of magnitude when over-currents exceed safe levels. A normal state resumes when over-currents are removed. The ability to self restore in this manner significantly increases suppressor performance and survivability.

General Technical Specifications

Operating Voltage	5 VDC (data) & 24 VDC (power)
Clamping Voltage	8 VDC (data) & 30 VDC (power)
Operating Current	0.15 A (data)
Peak Surge Current	Data = 125 A (10 x 1000 μ s) Power = 500 A (8 x 20 μ s)
Frequency Range	0 to 20 MHz
Insertion Loss	< 0.15 dB at 20 MHz
SPD Technology	MOV, SAD, w/ Series PTC
Connection Type	Terminal block w/ compression lugs Terminals accept up to 10 AWG
Operating Temperature	-40°C to +85°C
Dimensions (in / mm)	2.0" H x 1.0" W x 2.5" L [50.8 x 25.4 x 63.5 mm] (170 + PCB1B Base)
Weight (oz / kg)	1 oz [0.03 kg]
Warranty	5 years

Caution

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

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.

Technical Documentation

Key Specs

- **Voltage:** 0-120 VDC
- **Current:** 5 Amp
- **Connection:** Modular;
Hardwire into base
- **Mounting:** Punch into
keyed base/DIN

*See Ordering Information for model number selection

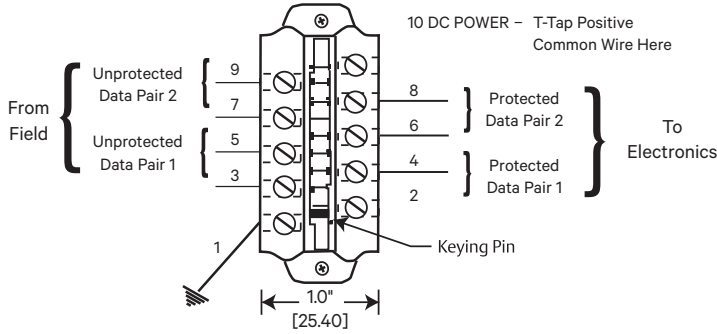
Features

- Automatic recovery
- Fast response time
- Resettable fusing — PTCs
- Plug-in module
- Data and power protection combined
- Sneak/fault current protection (data only)
- Silicon avalanche technology
- Requires accessory PCB1B base
- Accessory PTU (Pass Thru Unit) available for troubleshooting
- 5 year warranty

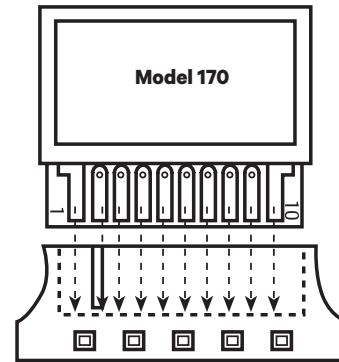
Installation Instructions

DRAWING 1

PCB1B Accessory Terminal Assignments



DRAWING 2



PCB1B
(Sold Separately)

Ground Terminal 1 or 10 to Building Approved Ground (preferably AC Power safety ground).

NOTE: DO NOT daisy chain grounds. NOT intended for shield termination. Install ground in accordance with all applicable codes.

Ordering Information

Other configurations available, please contact factory.

MODEL

Former Model Name

APPLICATION

170D030S500MPCNO

Edco 5W8-30

Weigand Data & Power

ACCESSORIES Former Accessory Name

PCB1B PCB1B-WKEY

Wiring Base, Plug-in Socket

PCDIN 11604KIT-PC

DIN Mounting Kit for PCB1B

PTU PC642PTU

Pass Through Module for Troubleshooting