

PDD-8PCI DC Power Distribution with Supervised Fire Interface module

Distributed Power Control Interface for Fire, Access, HVAC, Elevator, and Security

Made in USA with a Lifetime Warranty

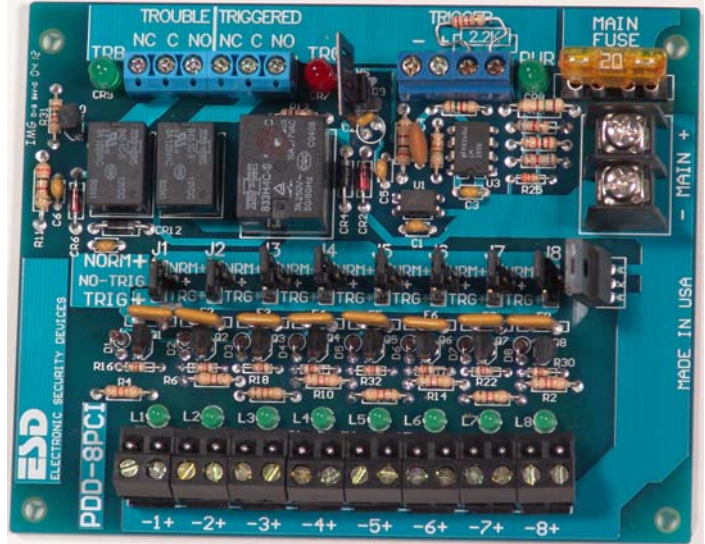


Features:

- 8 class II Power Limited Outputs with Auto-Resetting Circuit Breakers
- Each Output is Individually Selectable to Turn On, Turn Off, or Always ON when Triggered
- Outputs can be Triggered with:
 1. Voltage or Reverse Polarity (opto isolated)
 2. N/O or N/C Switch with Supervised EOL
- Form C Contacts (TRIGGERED) and Red LED (TRG) Indicate Trigger Status
- Form C Contacts (TROUBLE) and Green LED (TRB) Indicate:
 1. One of the Output Circuit Breakers is Tripped
 2. Main Fuse Blown or no Power on Input
- Universal 11-29VDC Operation
- Each Output Pair has a Removable Terminal Block
- Each Output has a Green Status LED
- Main Power has Green Status LED
- Main Power Pull and Fuse
- RoHS Lead Free



Access Control & Burglar



Description

The PDD-8PCI power distribution control interface converts a main non-power limited DC power source to 8 class II power-limited outputs that can be controlled by a (FACP) Fire Alarm Control Panel. Each output (J1-J8) can be set to turn ON, turn OFF, or disabled always ON when triggered by the panel. The FACP or other control system can interface to the PDD-8PCI with either of two or both supervised trigger inputs. One trigger is activated with a reverse polarity voltage from a FACP. This trigger is fully isolated with an optical isolator. The other trigger is an (EOL) 2.2K End Line Resistor input that will accept a (N/O) Normally Open switch or a (N/C) Normally Closed switch.

When triggered, the Trigger Transfer Relay removes power from the NORM + buss and transfers it to the TRIG + buss. Jumpers J1-J8 determines which buss each output is connected to. The triggered form C contacts also drop off normal when triggered and the Red (TRG) LED turns on. These contacts can be used to daisy chain other PDD-9ST, latch, or provide feedback to a system.

The Trouble Form C Relay drops off Normal if any one of the PTC circuit breakers is tripped, or main power/fuse is lost. The Green (TRB) LED is ON during normal operation, it goes off with trouble. All three relays are Fail-Safe, energized in the normal condition.

Each output has a Green LED that is on when the associated output is ON.

Typical applications for a Fire Alarm System would include adding remote Bells and annunciators, closing dampers, turning off HVAC fans, unlocking fail secure and fail safe doors, and / or returning elevators to first floor. The installation instructions illustrate these applications.

The PDD-8PCI is available as a module or mounted in an enclosure with any of our DC Power Supplies.

Specifications

Input Voltage	11-28VDC
Current, Typical, with No Output Load	90-160mA
Outputs 1-8 continuous duty each	1.23 Amps
Voltage Trigger	20% < Input min. 30vdc max.
Voltage Trigger isolation	Optical
EOL (End of Line) Trigger	+50% of 2.2K ohms
Transfer Relay Contacts	15Amps
Trouble Form C Contacts	2A 120vac/1A 220vac
Triggered Form C Contacts	2A 120vac/1A 220vac
Size:	4.84"W x 3.88"H x .75"D
Mounting Holes:	(4) 3.41" x 4.50"
Approvals:	UL294, UL603, ULC5533-02, ULC 5318-96
RoHS Lead Free	



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