

# PDB-1R

## Fire Trigger/Relay

### Fire Relay Triggers Power Transfer in Alarm Situation

The PDB-1R uses an end-of-line resistor to trigger a form "C" contact in response to a fire system alarm condition. In response to the trigger, the unit transfers power from the "Normally On" output to the "Normally Off" output. Additional triggered reactions include status feedback to fire control or annunciation systems, ground fault trigger and input trigger that latches until reset.



#### PRODUCT FEATURES

- Individual LED indicators show which output is powered
- Form "C" contact indicates trigger status
- Latching or non-latching mode
- Can provide ground supervision via jumper configuration
- Output triggers include:
  - › Normally Open or Normally Closed with supervised End-of-Line resistor
  - › Normally Closed override switch trigger input
  - › Normally Closed Auxiliary switch trigger input
  - › Ground fault detection
  - › Trigger status reporting
- MagnaCare Lifetime Replacement No Fault Warranty

#### SPECIFICATIONS:

- 70 mA used for relay control
  - Universal 11-29 VDC input
  - 15 Amp transfer relay
  - UL 294 Recognized
  - UL603 Recognized
  - ULC-S318-96 Recognized
- Dimensions:**  
Board: 3-3/4"H x 2-1/4"W x 13/16"D  
**Mounting:** 3-7/16" H x 1-7/8"W  
**Shipping Weight:**  
0.75lbs [0.45kg]

#### » MODELS

PART # | Description

**PDB-1R** | Fire Trigger/Relay Interface Board

# PDB-8C1R

## Eight-Output Power Distribution with Fire Trigger/Relay

### Power Distribution with Configurable, Supervised Fire Relay

The PDB-8C1R splits a main DC power source into eight Class 2 power limited outputs. Each output is individually configurable for Normally On or Normally Off and can change state in response to an alarm condition from either or both supervised triggers, or can remain in its native state.



#### PRODUCT FEATURES

- 8 Class 2 power limited outputs with PTC circuit breakers
- Individual LED output status indicators
- LED main input power indicator
- Removable terminal blocks for easy connection
- Two supervised triggers
  - › End-of-line resistor
  - › Optically isolated trigger by voltage or reverse polarity
- LEDs and form "C" contacts indicate trigger status
- MagnaCare Lifetime Replacement No Fault Warranty

#### SPECIFICATIONS:

- UL294 Recognized
  - Universal 11-28 VDC input
  - 90-160 mA per relay
  - PTC outputs 1.6Amps
  - 1.23 Amps max. per output
  - 15 Amp transfer relay
  - 2 Amp form C contacts
- Dimensions:**  
Board: 3-7/8"H x 4-7/8"W x 3/4"D  
**Mounting:** 3-7/16"H x 4-1/2"W  
**Shipping Weight:**  
1lb [0.45kg]

#### » MODELS

PART # | Description

**PDB-8C1R** | 8 PTC Output, Fire Trigger/Relay

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