



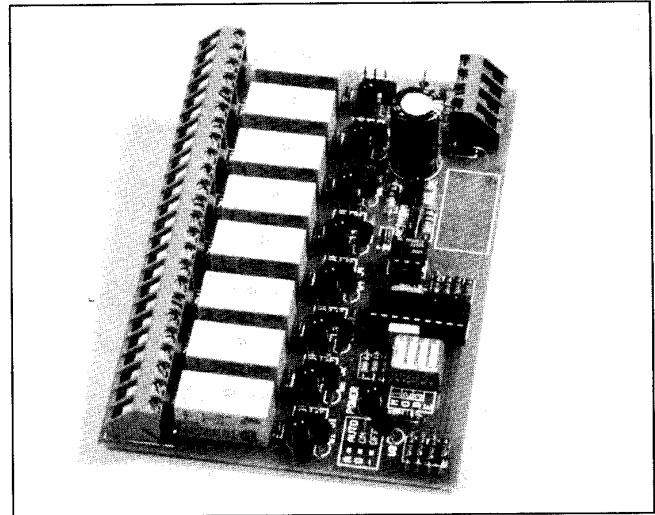
**PULSE WIDTH MODULATED INPUT TO EIGHT ADDRESSABLE RELAY OUTPUTS  
MODEL PR17**

**FEATURES:**

- \* Reduces Output Point Cost
- \* Individually Assembled Relays
- \* Field Selectable Modes of Control
- \* Power, Signal, and Relay Status Indicators
- \* Quartz Accuracy
- \* AC or DC powered
- \* Individual On/Off/Auto Override Jumpers
- \* Multiplexes single PWM signal

**APPLICATIONS:**

- \* Input or Output Expander/Multiplexer
- \* Building Automation Systems
- \* Process Control Systems
- \* HVAC Unit Control
- \* Sprinkler Valve Operation
- \* Lighting Control

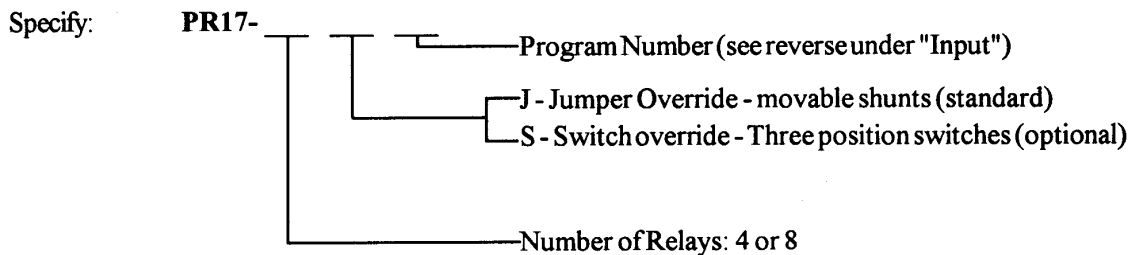


**DESCRIPTION:**

The PR17 is a selectable output controller designed to expand the output capacity of an energy management or process controller. The PR17 has up to eight output relays which are individually addressed by a single pulse width modulated input signal. Common (C), Normally Open (NO), and Normally Closed (NC) connections are available for each output. Three position On/Off/Auto jumpers are standard and allow manual override at the PR17. Optional three position On/Off/Auto

switches are available. The PR17 converts a relay, transistor or triac input signal to operate an appropriate relay (output) based on the duration of the signal. Each relay output of the PR17 can be individually addressed by the controlling micro-processor. Each has an LED indicator for a visual verification of operation. There are also LED indicators to show the presence of power and the input pulse.

**ORDERING INFORMATION:**



Other configurations are available, but additional lead times and possible quantity restrictions may apply. Call your distributor or factory for more information.

\*Available Also With Enclosure





**SPECIFICATIONS:**

**ELECTRICAL REQUIREMENTS**

**Power Supply**

Supply Voltage: 24 VAC or 24 VDC, +/- 10%

Supply Current: 200 mA maximum  
25 mA per relay

**Input**

Pulse Source: Relay, transistor or triac (jumper selectable).  
Pulse Trigger Level: 5 to 24 volts AC or DC, 20 mA max  
Off Time Between Pulses: 10 milliseconds min.  
Pulse resolution: .5 seconds (custom available).  
Novar pulse width modulated signal control:  
a) Sequence 8 relays, or  
b) select One-of Eight relays  
Solidyne pulse width modulated signal control:  
a) Sequence 8 relays, or  
b) Rooftop unit control

**MECHANICAL REQUIREMENTS**

**Relay Contacts**

Type: Form C, Gold-clad silver  
Rating: 2 amp max resistive @ 24 volts  
Electrical Life: 100,000 operations @ 1 amp  
Mechanical Life: 10 million operations  
Output Relays: 4 or 8 N.O. and N.C. contacts  
Relay Override Jumpers (standard) 4 or 8 three-position (on/off/auto)  
Relay Override Switches (optional) 4 or 8 three-position (on/off/auto)

**Connections**

Wire Size: Up to 14 gauge max  
Terminal Type: 45 degree, captive screw, cage clamp design in nickel plated copper alloy

**Measurements**

Dimensions: 4.825" L x 3.225" W x 1.0" H  
Weight: 4.0 oz  
Mounting: Furnished with snaptrack

**ENVIRONMENTAL REQUIREMENTS**

Operating: -20 to 150 deg F  
Operating Humidity: 10 to 95% non-condensing

**Specifications subject to change without notice to improve product functionality or reliability**

**Custom Calibration and/or Modification is Available**

