

## LIMIT SWITCHES

Limit Switches provide a contact closure when an actuator or drive reaches a predetermined point in its stroke. Although the switches are typically set at the ends of stroke, any position may be indicated. Two types are available: an independent mechanical switch or a PCP operated relay board.

### MECHANICAL

The mechanical limit switches are independent devices installed on the yoke in linear units and in the feedback housing area of rotary or drive units. Electrical connections are made directly to the switches. Position will be indicated regardless of actuator power status.

### GENERAL SPECIFICATIONS

#### Linear

Quantity: 2 or 4  
Manufacturer: General Equipment Go Switch  
Type: Single Pole, Double Throw (SPDT), Form C.  
Rating\*: 5 amp @ 24 Vdc, 0.5 amp @ 125 Vdc,  
10 amp @ 110 Vac - resistive  
Differential Travel (Hysteresis): 5/16"  
Environmental: NEMA 4X, CSA CL.I, DIV.1,  
GRP. B, C & D.  
Connection: 1/2"-14 NPT, screw terminals

#### Rotary

Quantity: 2 or 4 (aluminum feedback housing)  
Manufacturer: Proximity Controls  
Type: Single Pole, Double Throw (SPDT)  
Rating\*: 5 amp @ 24 Vdc, 0.5 amp @ 125 Vdc,  
10 amp @ 110 Vac - resistive  
Differential Travel (Hysteresis): 5°  
Environmental: NEMA 4X, CSA CL.I, DIV2,  
GRP. B, C & D.  
Connection: Within the feedback housing (1/2"  
NPT) screw terminals

### ELECTRONIC RELAYS

The electronic limit switches utilize an auxiliary board with three relays. All wiring connections are made directly to this board. An indicator LED shows the status (energized-ON) of each relay.

Two of the relays are configured in the SETUP mode to activate upon user defined stroke limits. The third relay is an alarm indicator (PM14).

### GENERAL SPECIFICATION

Quantity: 2  
Type: Single Pole, Double Throw (SPDT)  
Rating: 1 amp @ 30 Vdc, 0.3 amp @ 120 Vac  
- resistive  
Differential Travel (Hysteresis): 0.1%  
Connection: terminal strip on the auxiliary board

*\*For heavy or inductive loads, arc suppression devices such as resistors and capacitors are recommended in order to extend contact life.*