Product Page

Anderson Devices

manderson@andersondevices.com
408-357-0089
Andersondevices.com

Contact Information

Pressure Safety

PSR-124

Latching Relay Logic Board for AHU and Fan Safety, 24 VAV/VDC

- ETL Recognized Component
- 24VAC/VDC powered
- (1) Board Reset Inputs
  - Manual Push Button Reset on Board
- (2) Board Alarm Inputs
  - General Alarm Status feedback
- (4) Selectable NC/NO outputs - activates when **ANY** input is tripped
- High amperage isolated dry SPDT relay

Specifications

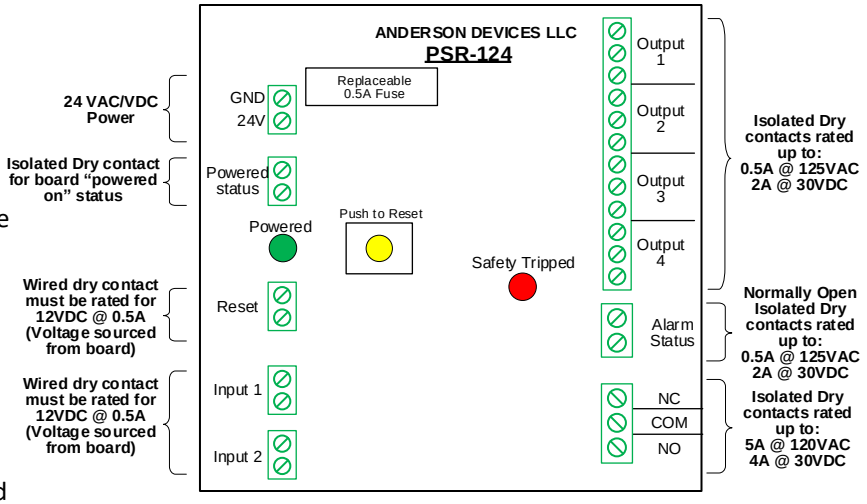
Expected Relay Life:	10 Million Cycles Min Mechanical
Operating Temperature:	-40°F to 160°F
Humidity Range	5% to 95% (non-condensing)
Over Current Protection:	0.5A glass fuse (3GA)
Time to Operate:	Trip 5 ms Min time between trip & rest 10 ms
Power Input:	24 VAC @ 0.15A, 24VDC @ 0.1A
Alarm Status:	Green LED on = Powered Red LED on = Safety Activated
Dimensions:	4.75" x 6.00" x 1.75"
Mounting Options	Din rail mount snap track
Ingress Protection:	IPX0
Approvals:	ETL Recognized Component - Tested to UL 60730-1 & CSA E60730-1

The PSR-124 is a latching relay logic board designed to be installed in an AHU and prevent internal pressure issues. The PSR-124 has (1) reset terminals for external reset (i.e. push button or BMS), (2) input alarm contacts & (4) shutdown output contacts that can be wired NO or NC.

The board is designed around the following logic: When any of the (2) input contacts sense a contact closure, the board will latch into an alarm state. In the alarm state, all (4) of the output relays will activate and latch into its set position and the master (high amp) relay will be held in the set position. The board will latch in the alarm state until the board is reset. The board can be reset by a dry contact closure to either of the (1) reset terminal or by the on board push button.

Board provided with "Powered" and "Safety Tripped" LED indicators. A general safety status contact will allow DDC controllers to know when either safety has been tripped. Powered status contacts allow for BMS to know that board is operational.

PSR-124 Board Layout & Contact rating



Installation Notes:

This board must be mounted to a vertical, steady surface. Excessive / sudden vibration may cause some of the relays to activate without cause.