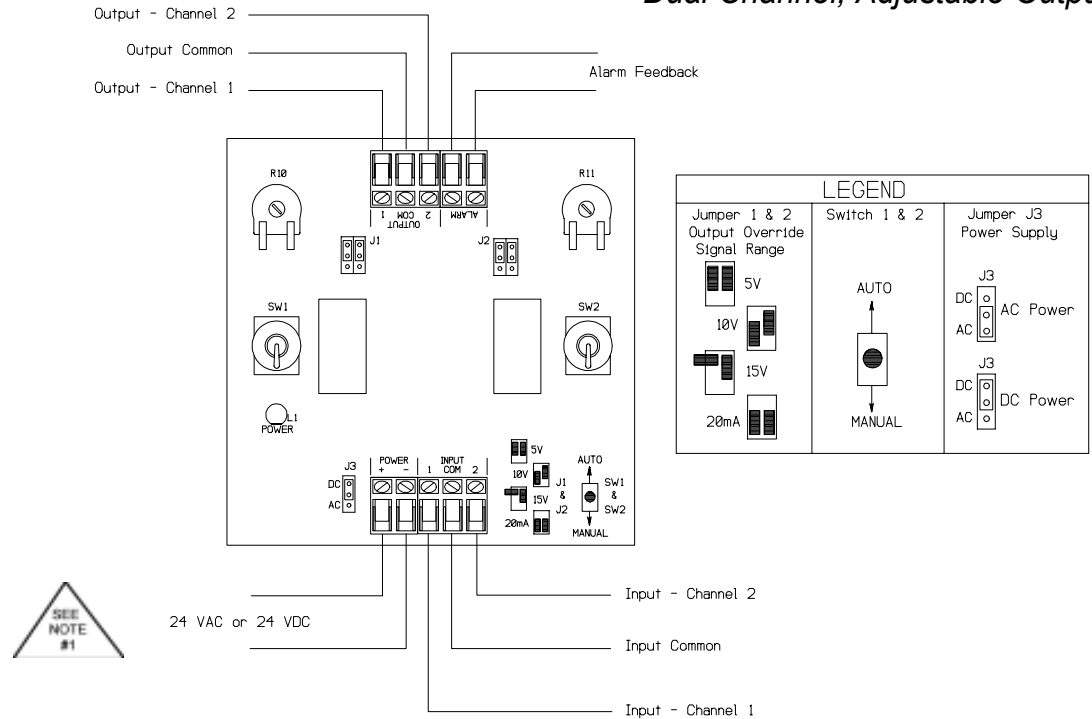


Analog Manual Override Switch w/Alarm Dual Channel, Adjustable Output



READ THESE INSTRUCTIONS BEFORE YOU BEGIN INSTALLATION

Ground yourself to discharge static electricity before touching any electronic equipment, as some components are static sensitive. The interface device can be mounted in any position. If circuit board slides out of snap track, a nonconductive “stop” may be required. Use only fingers to remove board from snap track. Slide out of snap track or push up against side of snap track and lift that side of the circuit board to remove. Do not flex board. Use no tools.

POWER CONNECTIONS

Be sure to follow all local and electrical codes. Refer to wiring diagram for connection information.

- 1) **24 VDC** - with power off, connect 24 volt DC power supply to terminals POWER (+) and POWER (-) on the board.

24 VAC - with power off, connect one transformer secondary leg to the POWER (+) on the board. Connect the other transformer secondary leg to POWER (-). Check the wiring configuration of any other loads that may be connected to this transformer.

If required by BAS or controller specification, the 24 VAC neutral can be earth grounded at the transformer. Analog input, digital input, and analog output circuits should not be earth grounded at two points. Any field device connected to this transformer must use the same common. If you are not sure of other field device configuration, use separate transformers for isolation.

- 2) **If the 24 volt DC or AC power is shared** with other devices that have coils such as relays, solenoids, or other inductors, each coil must have a diode or DC Transorb (if DC), a MOV or AC Transorb (if AC), or other spike snubbing device across each of the shared coils. Without these snubbers, coils produce very large voltage spikes when de-energizing that can cause malfunction or destruction of electronic circuits.
- 3) You should measure the actual voltage output of the secondary. If the output is not fully loaded you may read a higher voltage than the circuit board can handle.

CALIBRATION AND CHECKOUT

1. Set jumper J3 for the correct power supply type (AC or DC).
2. To obtain the input signal on the output signal connection, set switches SW1 and SW2 in the "AUTO" position.
3. Set jumpers J1 (Output 1) and J2 (Output 2) to the desired output signal range.
4. To obtain the output range set by jumpers J1 and J2 on the output signal connection, set switches SW1 and SW2 in the "MANUAL" position.
5. Vary the voltage on the output channels, while in "MANUAL" operation, by turning potentiometers R10 and R11.
6. The Alarm Feedback will indicate the mode of operation to the user by creating a shorted (standard version) or resistive (optional version) feedback.

Supply Voltage	24 VAC or 24 VDC, +/-10%	Override Analog Input	
Supply Current	100 mA maximum	Voltage Range/Impedance	0-24 VDC/ 2 A maximum
Alarm Contact Load Rating	3 Watts or 2 Amps maximum	Override Analog Input	
		Selectable Range/Impedance	0-5 VDC/ 250 ohms minimum 0-10 VDC/ 500 ohms minimum 0-15 VDC/ 750 ohms minimum 0-20 mA/ 750 ohms maximum