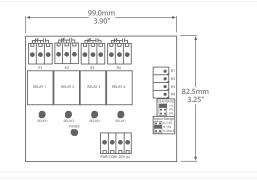


ANALOG RELAY MODULE





GT-AR MODEL

APPLICATIONS

- Analog signal alarms
- Staging and sequencing
- Analog to digital conversion
- Level indication

PRODUCT DESCRIPTION

The GT-AR series analog to relay module accepts an analog (GT-AR-2) or 4 relays (GT-AR-4). The input signal has three jumper selectable ranges for either 0-7.5 Vdc, 0-15 Vdc or 0-20 mA. Each relay has an independently adjustable setpoint which is set with a multi-turn pot.

Each form-C relay activates when the input signal is equal to the trip setpoint and deactivates when the input signal falls below the setpoint by a deadband amount. The deadband is also jumper selectable for 1, 3, or 5% of the range.

Features include a regulated power output that can be used to power a transducer or a resistance input, topadjust trim-pots for setpoint adjustment, an LED power indicator, status LEDs for each relay and 10 Amps form-C relays. The product comes with standard snap-track for easy mounting.

ORDERING INFORMATION GT-AR-2 GT-AR-4

SPECIFICATIONS POWER SUPPLY 23 to 30 Vdc, 22 to 27 Vac CONSUMPTION CT AD 3. 00 m A maximum @ 24 V/de PR

PROTECTION CIRCUITRYReverse voltage protected, overvoltage protectedOPERATING CONDITIONS10 to 50°C (32 to 122°F) 5 to 95 %RH non-condensingSTORAGE CONDITIONS- 30 to 70°C (-22 to 158°F) 5 to 95 %RH non-condensingWIRING CONNECTIONSScrew terminal block (12 to 24 AWG)ENCLOSURESnap track mounting symm L x 82.5mm W x 32mm H (3.9″ x 3.25″ x 1.25″)WEIGHTGT-AR-2: 110g (3.88oz)POWER OUTPUTRegulated Power: 20 Vdc ±10% @ 30 mA maximum symut Vatage Ramge: 0 to 7.5 or 0 to 15 Vdc mynut Vatage Ramge: 0 to 7.5 or 0 to 15 Vdc mynut Vatage Ramge: 0 to 20 mA nynut Vottage Ramge: 0 to 20 mA<	CONSUMPTION	GT-AR-2: 80 mA maximum @ 24 Vdc GT-AR-4: 110 mA maximum @ 24 Vdc
STORAGE CONDITIONS-30 to 70°C (-22 to 158°F) 5 to 95 %RH non-condensingWIRING CONNECTIONSScrew terminal block (12 to 24 AWG)ENCLOSURESnap track mounting 99mm L x 82.5mm W x 32mm H (3.9" x 3.25" x 1.25")WEIGHTGT-AR-2: 110g (3.88oz) GT-AR-4: 144g (5.08oz)POWER OUTPUTRegulated Power: 20 Vdc ±10% @ 30 mA maximum Input Voltage Impedance: >15 KΩ 	PROTECTION CIRCUITRY	Reverse voltage protected, overvoltage protected
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INPUT SIGNAL Input Voltage Range: 0 to 7.5 or 0 to 15 Vdc Input Voltage Impedance: >15 KΩ Input Voltage Impedance: >15 KΩ Input Current Range: 0 to 20 mA Input Current Impedance: >250 Ω OUTPUT RELAYS Type: SPDT Form C Contact Rating: 10 Amps @ 125 Vac Contact Resistance: 100 mΩ maximum Electrical Life: 100,000 operations Mechanical Life: 10,000,000 operations	WEIGHT	
Input Voltage Impedance: >15 KΩ Input Current Range: 0 to 20 mA Input Current Impedance: 250 Ω OUTPUT RELAYS Type: SPDT Form C Contact Rating: 10 Amps @ 125 Vac Contact Resistance: 100 mΩ maximum Electrical Life: 100,000 operations Mechanical Life: 10,000,000 operations		
Contact Rating: 10 Amps @ 125 Vac Contact Resistance: 100 mΩ maximum Electrical Life: 100,000 operations Mechanical Life: 10,000,000 operations	POWER OUTPUT	Regulated Power: 20 Vdc ±10% @ 30 mA maximum
COUNTRY OF ORIGIN Canada		Input Voltage Range: 0 to 7.5 or 0 to 15 Vdc Input Voltage Impedance: >15 KΩ Input Current Range: 0 to 20 mA
	INPUT SIGNAL	Input Voltage Range: 0 to 7.5 or 0 to 15 Vdc Input Voltage Impedance: >15 KΩ Input Current Range: 0 to 20 mA Input Current Impedance: 250 Ω Type: SPDT Form C Contact Rating: 10 Amps @ 125 Vac Contact Resistance: 100 mΩ maximum Electrical Life: 100,000 operations



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