



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 voltage or current signal and controls either 2 relays (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, top-adjust 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	GT-AR-2: 80 mA maximum @ 24 Vdc GT-AR-4: 110 mA maximum @ 24 Vdc
PROTECTION CIRCUITRY	Reverse voltage protected, overvoltage protected
OPERATING CONDITIONS	0 to 50°C (32 to 122°F) 5 to 95 %RH non-condensing
STORAGE CONDITIONS	-30 to 70°C (-22 to 158°F) 5 to 95 %RH non-condensing
WIRING CONNECTIONS	Screw terminal block (12 to 24 AWG)
ENCLOSURE	Snap track mounting 99mm L x 82.5mm W x 32mm H (3.9" x 3.25" x 1.25")
WEIGHT	GT-AR-2: 110g (3.88oz) GT-AR-4: 144g (5.08oz)
POWER OUTPUT	Regulated Power: 20 Vdc ±10% @ 30 mA maximum
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
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
COUNTRY OF ORIGIN	Canada