





ANALOG RELAY MODULE

GT-AR Series

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.

PRODUCT HIGHLIGHTS

* Two or Form-C relay outputs
* Field adjustable trip levels
* 3 jumper selectable deadbands
* LED status indicator for each relay
* 3 jumper selectable input ranges
* Regulated 20 Vdc power output
* Compact and economical
* Snap track mounted

SPECIFICATIONS



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| DESCRIPTION | ENGINEERING SPEC |
| 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 |
| OPERATION 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 (14 to 22 AWG) |
| ENCLOSURE | Snap track mounting  99mm L x 82.5mm W (2.4” x 3.25”) |
| 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 | **Voltage Range:** 0 to 7.5 or 0 to 15 Vdc  **Voltage Impedance:** >15 KΩ  **Current Range:** 0 to 20 mA  **Current Impedance:** 250 Ω |
| OUTPUT SIGNAL | **Type:** SPDT Form-C  **Contact Rating:** 10 Amps @ 125 Vac  **Contact Resistance:** 100 mΩ maximum  **Electrical Life:** 10,000 operations  **Mechanical Life:** 10,000,000 operations |
| COUNTRY OF ORIGIN | Canada |