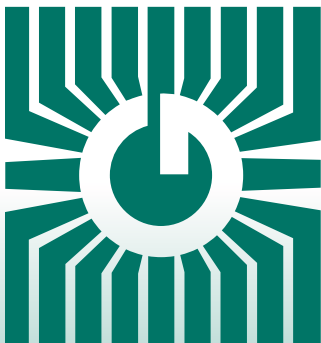
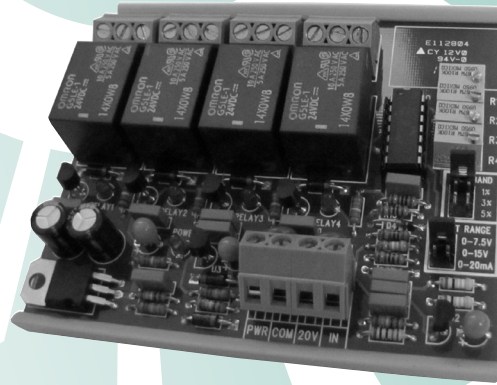


GREYSTONE ENERGY SYSTEMS INC



ANALOG RELAY MODULE GT-AR Series



Precision Signal Conditioning

FEATURES:

- Two or Four 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

*Peace of mind
through reliable
signal interfaces*

GREYSTONE HAS AN ISO 9001 REGISTERED QUALITY SYSTEM

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 Amp form-C relays. The product comes with standard snap-track for easy mounting.

SPECIFICATIONS:

General Specifications

Power Supply.....	23 to 30 Vdc, 22 to 27 Vac
Consumption.....	GT-AR-2 - 80 mA max. at 24 Vdc GT-AR-4 - 110 mA max. at 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 3.9" L x 3.25" W x 1.25" H 99 x 82.5 x 32 mm
Weight.....	GT-AR-2 - 110 gm (3.88 oz) GT-AR-4 - 144 gm (5.08 oz)

Power Output

Regulated Power.....	20 Vdc ± 10% @ 30 mA max Output to power an external sensor
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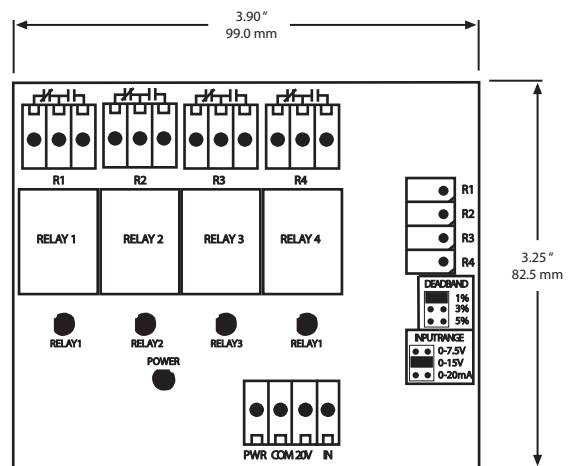
Input Signal

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 at 125 Vac
Contact Resistance.....	100 mΩ maximum
Electrical Life.....	100,000 operations
Mechanical Life.....	10,000,000 operations

DIMENSIONS:



ORDERING INFO:

GT-AR-2	2 Adjustable Relay Output
GT-AR-4	4 Adjustable Relay Output



GREYSTONE
ENERGY SYSTEMS INC

Greystone Energy Systems, Inc.
150 English Drive, Moncton,
New Brunswick, Canada E1E 4G7
(506) 853-3057 Fax: (506) 853-6014
North America: 1-800-561-5611
e-mail: mail@greystoneenergy.com
www.greystoneenergy.com

RoHS
COMPLIANT



Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC/R sensors and transmitters for Building Automation Management Systems.

We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-edge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.

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