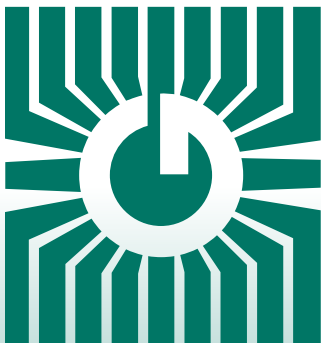
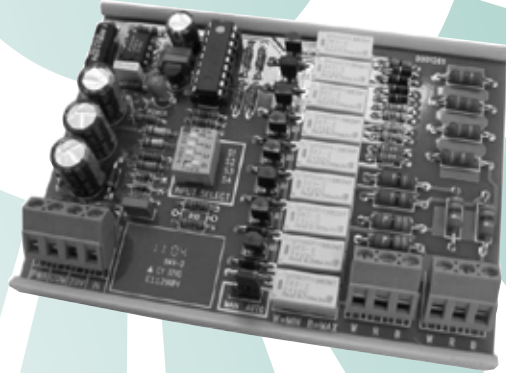


GREYSTONE

ENERGY SYSTEMS INC



ANALOG RESISTANCE MODULE Model GT-ARES



Precision Signal Conditioning

FEATURES:

- Field Selectable Input Ranges
- Several Resistance Output Ranges
- LED Power Indicator
- 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:

- Electric Actuator Control
- Electronic potentiometer
- Resistive sensor simulation

PRODUCT DESCRIPTION:

The GT-ARES analog to resistance module is an interface that accepts a DIP switch selectable analog input (voltage or current) and uses that signal to proportionally control a variable resistance output. The device output simulates a three-wire slide wire or rotary potentiometer and has both ends of the potentiometer and the wiper available on terminal connector. The resistive output is electrically isolated from the input signal.

The GT-ARES includes a regulated power output that can be used to power a current-loop transducer and also features a failsafe input that will connect to the output terminals in case of a power loss or for manual output control. There is an LED power indicator and manual override jumper for failsafe operation.

SPECIFICATIONS:

General Specifications

Power Supply.....	23 to 30 Vdc, 22 to 27 Vac Half-wave rectified
Consumption.....	110 mA max.
Input Voltage Effect.....	Negligible over specified operating range
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 14 to 22 AWG
Enclosure.....	Snap track mounting 4.6" L x 3.25" W 117 x 83 mm
Weight.....	131 gm (4.6 oz)

Power Output

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

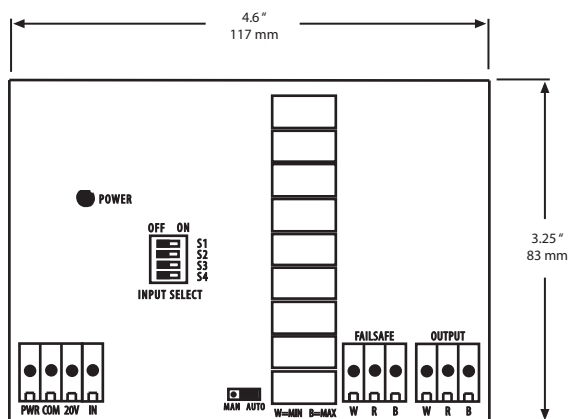
Input Signal

Voltage Range.....	0-5, 0-10, 0-15, 1-5, 2-10 or 3-15 Vdc (Switch selectable)
Voltage Impedance.....	> 10 KΩ
Current Range.....	0 to 20 or 4-20 mA (switch selectable)
Current Impedance.....	250 Ω

Output Signal

Signal Type.....	Simulated potentiometer resistance (3-wire)
Resolution.....	256 steps (no wrap around)
Resistance Accuracy.....	± 5%
Standard Values.....	0-135 Ω, 4.5 watts 0-270 Ω, 3.0 watts 0-500 Ω, 3.0 watts 0-1000 Ω, 1.0 watts

DIMENSIONS:



ORDERING INFO:

GT-ARES - _____	135	0-135 Ω, 4.5 watts
	270	0-270 Ω, 3.0 watts
	500	0-500 Ω, 3.0 watts
	1000	0-1000 Ω, 1.0 watts



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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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