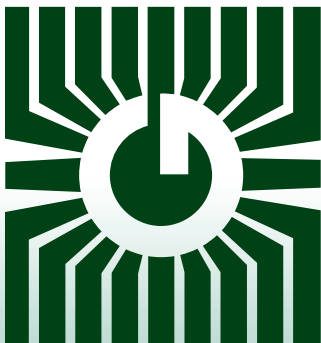
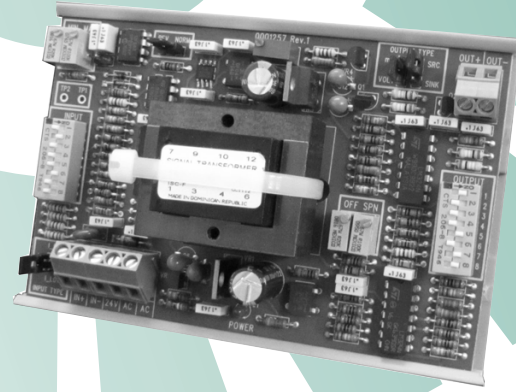


GREYSTONE ENERGY SYSTEMS INC



ANALOG ISOLATION MODULE Model GT-AI



Precision Signal Conditioning

FEATURES:

- Input/Output Signal Isolation
- Field Selectable Input/Output Ranges
- Direct or reverse acting
- Regulated power supply output
- Compact and Economical
- Snap Track Mounted

*Peace of mind
through reliable
signal interfaces*

GREYSTONE HAS AN ISO 9001 REGISTERED QUALITY SYSTEM

APPLICATIONS:

- Isolated signal conversion or reversal
- Eliminate ground loop wiring problems
- Variable frequency motor drive signal isolation
- Electric actuator isolation
- Easily interface recorders, data loggers and controllers
- Interface and isolate DDC, EMS and HVAC panels

PRODUCT DESCRIPTION:

The GT-AI transducer is a 3-way isolating analog signal re-scaling module with one input/output channel. It will accept on analog voltage or current input signal, isolates it and re-scales it to another voltage or current output signal. The I/O signals have several pre-calibrated, fixed ranges or may be custom calibrated for various offsets and spans and can be direct or reverse acting to provide signal inversion.

The device has an on-board transformer that provides power supply isolation and also input/output signal isolation.

The GT-AI also includes a regulated +24 Vdc power output that can be used to power a transducer or a resistance input. It features top-adjust trim-pots for offset and gain control, source or sink capabilities and an LED power indicator. Various I/O signal types are easily selected with DIP switches.

SPECIFICATIONS:

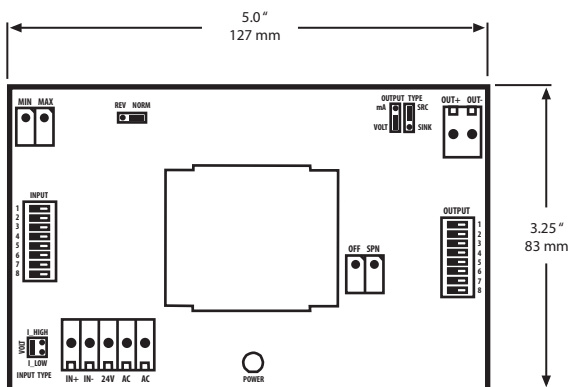
General Specifications

Power Supply24Vac ± 10%
 Consumption150 mA max.
 Operating Conditions0 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 ConnectionsScrew terminal block 14 to 22 AWG
 Enclosure Snap track mounting
 5.0" L x 3.25" W x 1.85" H
 127 x 82.5 x 47 mm
 Weight 285 gm (10 oz)

Power Output

Regulated Power Output....24Vdc ± 10% @ 30 mA maximum
 (use to power an external sensor)

DIMENSIONS:



Input Signal

Preset Voltage Range0-1, 0-5, 0-10, 0-15, 0-20
 1-5, 2-10, 3-15 and 4-20 Vdc

Adjustable Voltage Offset...0-20 Vdc
 Adjustable Voltage Span....1-20 Vdc
 Voltage Impedance> 10 KΩ

Preset Current Range.....0-1, 0-20 and 4-20 mA
 Adjustable Current Offset...0-15 mA
 Adjustable Current Span....4-20 mA
 Current Impedance250 Ω (1 KΩ for 0-1 mA range)

Output Signal

Preset Voltage Range0-5, 1-5, 0-10 and 0-20 Vdc
 Preset Voltage Offset.....0, 1 and 2 Vdc
 Preset Voltage Spans.....1, 3, 4, 5, 6, 7, 8 and 10 vdc
 Adjustable Voltage Offset...0-10 Vdc
 Adjustable Voltage Span....1-20 Vdc
 Voltage Impedance> 10 KΩ

Preset Current Range.....0-20 and 4-20 mA
 Preset Current Offset0, 4 and 8 mA
 Preset Current Spans.....4, 12, 16 and 20 mA
 Adjustable Current Offset...0-12 mA
 Adjustable Current Span....4-20 mA
 Current Impedance750 Ω

Current Signal Type.....Source or Sink (jumper selectable)
 Signal Direction.....Normal/Reversible via single jumper
 Accuracy.....±1% typical

ORDERING INFO:

GT-AI



GREYSTONE

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RoHS
 COMPLIANT



Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC sensors and transducers 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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