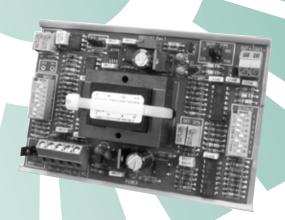
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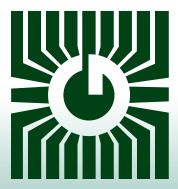
ANALOG ISOLATION MODULE Model GT-AI



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-Al 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

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 EnclosureSnap track mounting

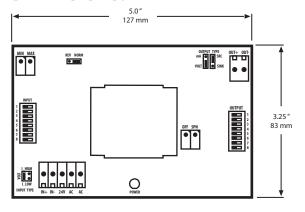
5.0"L x 3.25"W x 1.85"H

127 x 82.5 x 47 mm

Power Output

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

DIMENSIONS:



Input Signal

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 ΚΩ

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 K Ω for 0-1 mA range)

Output Signal

Preset Voltage Offset.....0, 1 and 2 Vdc

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

Preset Current Range......0-20 and 4-20 mA Preset Current Offset 0, 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 Signal Type......Source or Sink (jumper selectable) Signal Direction......Normal/Reversible via single jumper

Accuracy.....±1% typical

ORDERING INFO:

GT-AI



GREYSTONE

ACCURACY BY DESIGN

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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 leadingedge 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.