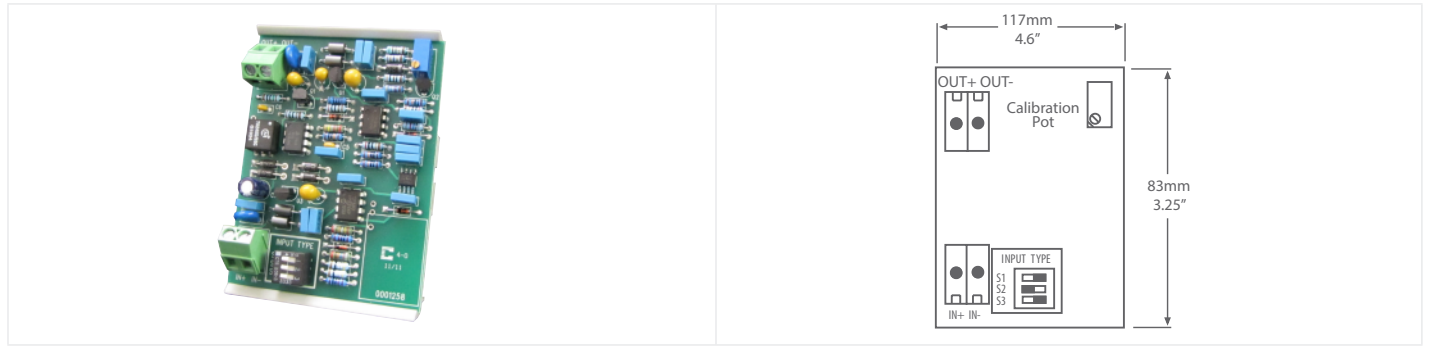




ANALOG ISOLATION MODULE



GT-AI420 MODEL

APPLICATIONS

- Isolated signal conversion
- 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-AI420 analog isolation module is a 2 wire loop-powered 4-20 mA signal isolator with one input/output channel. It will accept one analog, current or voltage output, input signal, isolate it and sink a current output signal. The input signal has several fixed ranges for various applications.

The device derives its operating power from the output current loop that is provided by the receiving device and has an on-board transformer that provides complete input/output isolation.

Both the input and output are sinking type and the input signal types are easily selected with DIP switches.

ORDERING INFORMATION

GT-AI420

SPECIFICATIONS

POWER SUPPLY	Powered by output current (15-30 Vdc)
ISOLATION	1000Vrms input to output
ACCURACY	±0.1% typical
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 61mm L x 83mm W (2.4" x 3.25")
WEIGHT	56g (1.98oz)
INPUT SIGNAL	Voltage Range: 0-5, 0-10, 1-5, or 2-1- Vdc (switch selectable) Voltage Impedance: >10 KΩ Current Range: 0 to 20 or 4-20 mA (switch selectable) Current Impedance: 250 Ω Current Signal Type: Sink (external transducer generates 4-20 mA)
OUTPUT SIGNAL	Current Range: 4-20 mA Current Impedance: 750 Ω maximum with 24 Vdc supply Resistance Accuracy: ±5% Current Signal Type: Sink (requires a loop power supply)
COUNTRY OF ORIGIN	Canada

NOTE: Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.