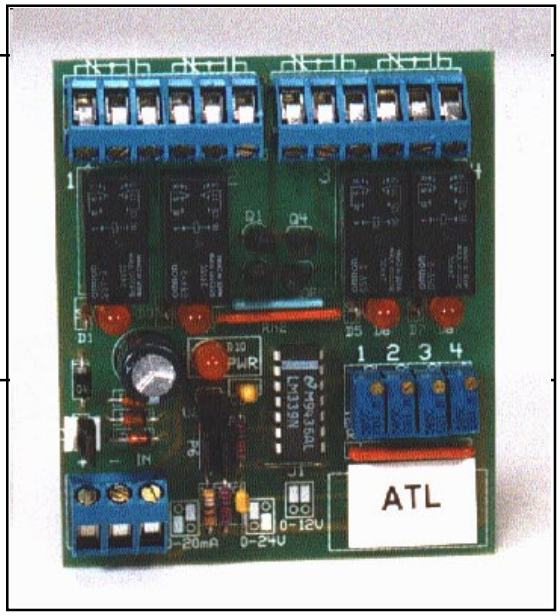
ATL

Analog Current / Voltage
to Four Adjustable Trip Level Relay Outputs

FEATURES

- Four Form C Relay Outputs
- Field Adjustable Trip Levels
- Two optional deadbands (specify on order)
- LED Status Indicator for each relay
- Up to 16 ATL'S can be cascaded together
- Compact and Economical
- Snap Track Mounted



APPLICATIONS

- Alarms
- Sequencers
- Analog To Digital Conversion
- Level Indicators
- Environmental Control

PRODUCT DESCRIPTION

The ATL accepts an analog voltage or current input signal and controls four relays. Each relay has an adjustable trip point which is set by a multi-turn trimmer potentiometer. Each relay is activated when the input signal is equal to or greater than the trip point setting. The relays deactivate when the input signal is less than the trip point. Common (C), Normally Open (NO) and Normally Closed (NC) terminals are available at each relay. The ATL has LED indicators for power and for the status of each relay. By using voltage divider applications, the ATL can also accept a resistance input.

ORDERING INFORMATION

Specify: **ATL _____and _____3%, 10%, or 1% deadband -** see page two for actual values

SPECIFICATIONS

Electrical Requirements

Power Supply

Supply Voltage	Regulated 24 Volts AC or DC 22 to 28 Volts at ATL terminals
Supply Current	180 mA max

Input

Voltage Range/Input Impedance	Three selectable input ranges: 0 to 12 VDC / 10,000,000 ohms 0 to 24 VDC / 20,000 ohms 0 to 20 mA / 500 ohms

150 English Drive, Moncton, NB, E1E 4G7 CANADA tel: 506-853-3057 fax: 506-853-6014
e-mail: greystone@nbnet.nb.ca website: www.greystoneenergy.com

Deadband

Input Signal	Deadband/Selections		
	3% (STD)	10% (opt)	1.0% (opt)
0-12Vdc	0.33v	1.0v	0.1v
0-24Vdc	0.66v	2.0v	0.2v
0-20mA	0.66mA	2.0mA	0.2mA

Mechanical Requirements

Relay Contacts

Type	Form C, Gold-clad silver
Rating	2 amp max. resistance @ 24 volts
Electrical Life	100,000 operations @ 1 amp
Mechanical Life	10 million operations

Connections

Wire Size	Up to one 14 gauge maximum
Terminal Type	45^{O}, Captive screw, moving clamp design in nickel plated copper alloy

Dimensions 3.25" L x 2.75" W x 1.5 " H

Weight	3.2 oz
Mounting	Furnished with a 2.75" length of 3.25" wide snap track

Environmental Requirements

Operating Temperature	32 to 120 deg F
Storage Temperature	-20 to 150 deg F
Operating Humidity	10 to 95% non-condensing

Specifications may change without notice to improve product performance.

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