

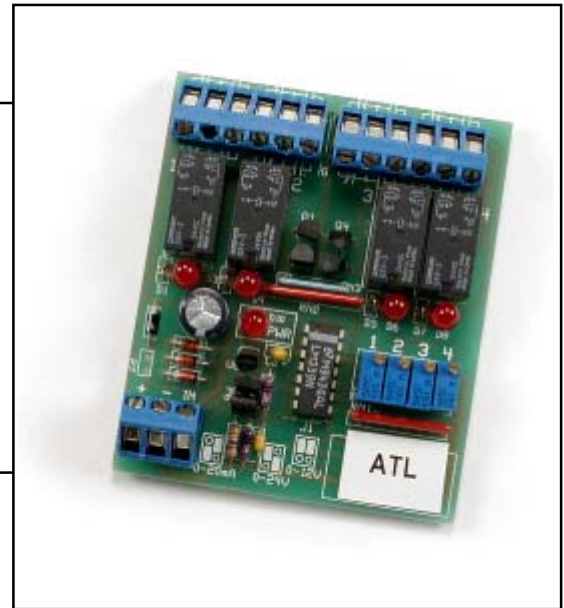
*Analog Current / Voltage to Four Adjustable Trip Level Relay Outputs*

**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
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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°, Captive screw, moving clamp design in nickel plated copper alloy

### *Dimensions*

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.**