



ATL

Analog Current/Voltage to 4 Adjustable SPDT Relays

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 potentiometer. Each relay is activated when the input signal is equal to, or greater than, the trip point setting. Relays deactivate at trip point less the deadband (3% standard, 1% & 10% optional). Common (C), Normally Open (NO), and Normally Closed (NC) terminals are available at each relay. The ATL is field calibratable, however, factory calibration is available upon request for an additional charge. This will speed up installation time for the end user.

Applications: Level Indication, Digital Output Expansion, Alarms, Staging and Sequencing

The ATL is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com.

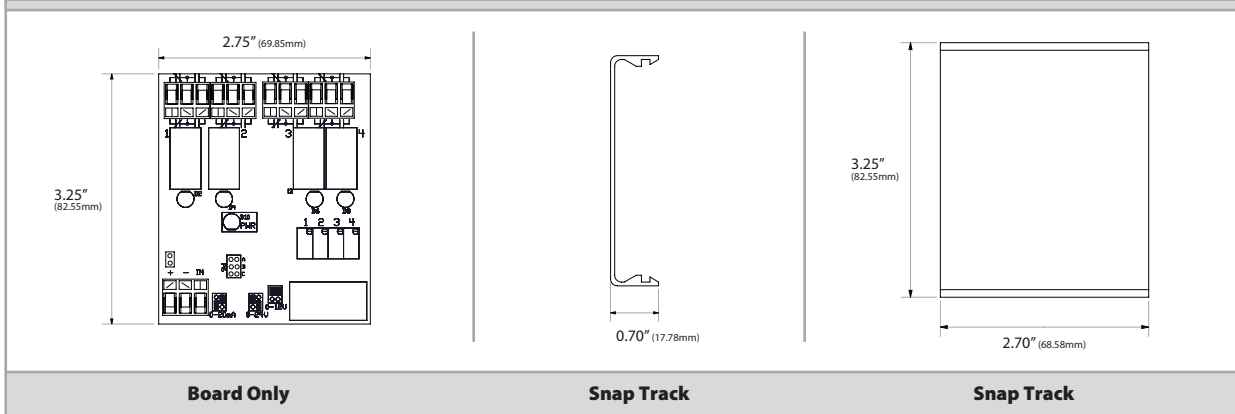
PRODUCT SPECIFICATIONS

Supply Voltage:	24 VAC (+/- 10%), 50/60 Hz or 22-28 VDC
Supply Current:	180 mA maximum
Input Voltage Signal Range (@ Impedance):	0 to 12 VDC @ 10M Ω , 0 to 24 VDC @ 20,000 Ω
Input Current Signal Range (@ Impedance):	0-20 mA @ 500 Ω
Deadband (0-12 VDC Signal):	3% Version (Standard): 0.33 VDC 10% Version: 1.0 VDC 1% Version: 0.1 VDC
Deadband (0-24 VDC Signal):	3% Version (Standard): 0.66 VDC 10% Version: 2.0 VDC 1% Version: 0.2 VDC
Deadband (0-20 mA Signal):	3% Version (Standard): 0.66 mA 10% Version: 2.0 mA 1% Version: 0.2 mA
Digital Output Type:	Four SPDT Form "C" Relays
Relay Contact Rating:	2A @ 24 VDC, 0.5A @ 240 VAC
Relay Electrical Life:	100,000 operation @ 1A
Relay Mechanical Life:	10,000,000 operations
Connections:	45° Captive screw Terminal Blocks
Wire Size:	12 (3.31 mm ²) to 22 AWG (0.33 mm ²)
Terminal Block Torque Rating:	0.5 Nm (Minimum); 0.6 Nm (Maximum)
Operating Temperature Range:	35 to 120°F (1.7 to 48.9°C)
Operating Humidity Range:	10 to 95% non-condensing
Storage Temperature:	-20 to 150°F (-28.9 to 65.5°C)
Snaptrack Material:	Polyvinyl Chloride (PVC)
Snaptrack Flammability Rating:	UL94 V-0
Product Dimensions:	(L) 2.75" (W) 3.25" (H) 1.00" (69.85 x 82.55 x 25.4 mm)
Product Weight:	0.25 lbs. (0.113 Kg)
Agency Approvals:	RoHS2, WEEE





DIMENSIONAL DRAWING



STANDARD ORDERING

Model # Example: **ATL** -OR- **105978**

Model #	Item #	Description	Deadband
ATL	105978	Analog Current/Voltage to 4 Adjustable SPDT Relays	3%
ATL-DB-1%	129665	Analog Current/Voltage to 4 Adjustable SPDT Relays	1%
ATL-DB-10%	129663	Analog Current/Voltage to 4 Adjustable SPDT Relays	10%

ACCESSORIES

Model # Example: **A/DO008** -OR- **142583**

Model #	Item #	Description
A/DO008	142583	Transient Voltage Suppressor, Bi-directional, 56VAC/DC, 1500W
A/DRC 2.7 X 3.25	142624	DIN Rail Adapter Kit
ENC1	102472	20 Gauge Metal Enclosure, Designed to Hold Interfaces Products

