



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, 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 web site, workaci.com.

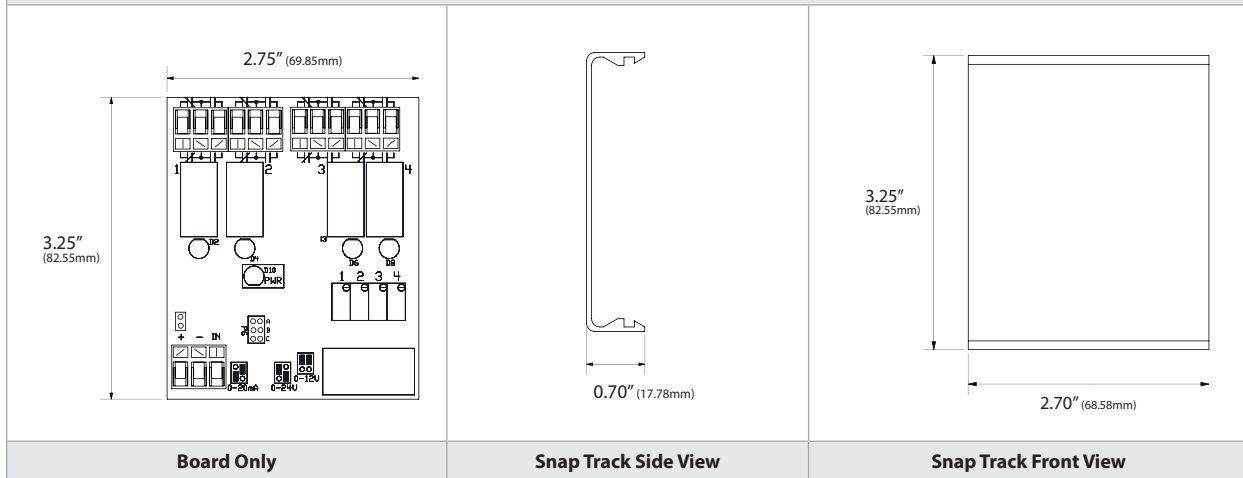
PRODUCT SPECIFICATIONS

| | |
|--|---|
| 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 @ 10MΩ, 0 to 24 VDC @ 20,000Ω |
| Input Current Signal Range (@ Impedance): | 0-20 mA @ 500Ω |
| Deadband (0-12 VDC Signal): | 3% Version (Standard): 0.33 VDC 10% Version: 1.0 VDC |
| Deadband (0-24 VDC Signal): | 3% Version (Standard): 0.66 VDC 10% Version: 2.0 VDC |
| Deadband (0-20 mA Signal): | 3% Version (Standard): 0.66 mA 10% Version: 2.0 mA |
| Digital Output Type: | Four SPDT Form "C" Relays |
| Relay Contact Rating: | 2A @ 24 VDC, 0.5A @ 240 VAC |
| Relay Electrical Life: | 100,000 operations @ 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 Range: | -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" (69.85 mm) x (W) 3.25" (82.55 mm) x (H) 1.00" (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-10% | 129663 | Analog Current/Voltage to 4 Adjustable SPDT Relays | 10% |

ACCESSORIES ORDERING 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 Interface Products |

