

**FEATURES**

- Board edge connectors link signal and power automatically
- Terminal strips are plug-in. Easy to remove for testing.
- Voltage or Current Input
- 10 Amp 120 VAC Relays - Form C
- Fixed or adjustable deadband - jumper selectable
- Top adjusting potentiometers - easy access
- LED Status indicators
- Compact size - mounts in snaptrack
- Field Adjustable "ON" and "OFF" Trip Levels
- Cascade up to 6 AAR's (more if you jumper power)



**APPLICATIONS**

- Level Indication
- Digital output Expansion
- Alarms
- Staging and Sequencing

**PRODUCT DESCRIPTION**

The AAR is controlled by a single analog input signal with two potentiometers controlling each output relay. The two 10 amp output relays can be independently set to fixed or adjustable deadband. An onboard deadband selector can be set to Fixed or Adjustable. "Fixed", the relay will turn "ON" at the level set by the Low pot and will turn "OFF" at a fixed 3% of the input signal below the turn-on level.

"Adjustable" allows a flexible range of deadband adjustment using the High and Low potentiometer. The edge-connector feature allows signal and power connections to be extended to the next board. This allows the installer to wire the first unit then slide additional units up against it, plugging into a power and signal bus without the need to strip and terminate additional wires. AAR's are equipped with plug-in terminal strips.

**ORDERING INFORMATION**

Specify: AAR

**SPECIFICATIONS**

**Electrical Requirements**

*Power Supply*

Supply Voltage	24 VAC or 24 VDC, +/-10%
Supply Current	45 mA maximum

**Input**

*Analog Input*

Voltage Range/Impedance	0-12 VDC/1,000,000 ohms
	0-24 VDC/20,000 ohms
Current Range/Impedance	0-20 mA/499 ohms

## Mechanical Requirements

### *Digital Output*

Type 2	Form "C" Relay
Rating	10 amp @ 120 VAC
Electrical Life	100,000 cycles
Mechanical Life	10,000,000 cycles

### *Connections*

Wire Size	Up to one 14 gauge maximum
Terminal Type	90° plug-in terminal blocks with 5mm pin spacing
Edge Connector	Connect six AARs together using one power and signal connection, more if power is jumpered to every sixth AAR

### *Dimensions*

Weight	3.2 oz.
Mounting	Furnished with a 3.25"L X 2.5"W 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

**Specification may change without notice to improve product performance or functionality.**

**Call for Other Calibration Ranges and Versions.**