AAR

Analog Input to
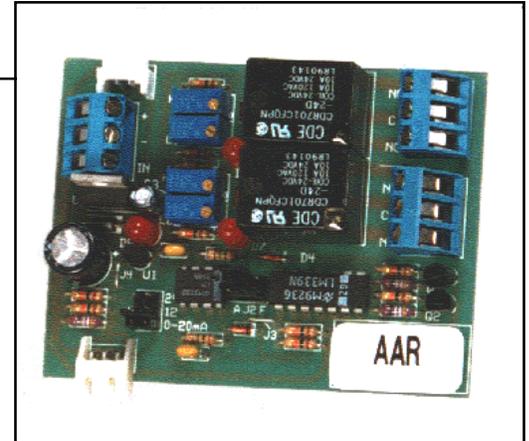*Two High and Low Trip Level Relay Outputs*

FEATURES

- Board edge connectors <u>link</u> signal and power automatically
- 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. One pot sets the turn-on level and the other sets the turnoff level. With the deadband select set to Fixed, the relay will turn "ON" at the level set by the High pot and will turn "OFF" at a fixed 3% of the input signal below the turn-on level. Another feature is the edge-connector allowing 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.

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

GREYSTONE
ACCURACY BY DESIGN

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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	45º Captive screw, moving clamp design in nickel-plated copper alloy
Edge Connector	Connect six AARs together using one power and signal connection, more if power is jumpered to every sixth AAR

Dimensions — 3.25"L X 2.41"W X 1"H

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.