



# TRANSDUCERS

## ELECTRONIC TRANSDUCERS

**AAR, ARM, ATL, AUD AND 6N1-ISO SERIES**

### DESCRIPTION

Analog to Two Relay Outputs.  
Input ranges and impedance: 0-12 VDC @ 1M $\Omega$ , 0-24 VDC @ 20K $\Omega$ , 0-20 mA @ 499 $\Omega$ . Output: Two (2) Form C relays, rated 10 amps @ 120 VAC. Power: 24 VAC or 24 VDC @ 45 mA max.  
Size: 3.25"L x 2.41"W x 1.00"H (8.26 x 6.12 x 2.54 cm).

Input: Analog  
Output: Two Relays (high and low trip level & adjustable deadband)



AAR



### DESCRIPTION

Analog Current or Voltage Rescaling Module.  
Re-scales/reverses analog signal. Input: 0-35 VDC @ 1M $\Omega$ , 0-44 mA @ 250 $\Omega$ . Output: 0-20 VDC @ 5K $\Omega$ , 0-44 mA @ 750 $\Omega$ . Power: 24 VDC or 22-26 VAC @ 200 mA.  
Size: 3.69"L x 2.17"W x 1.00"H (9.37 x 5.51 x 2.54 cm).

Input: Analog  
Output: Analog (rescale & reverse)



ARM



### DESCRIPTION

Analog Current or Voltage to Four Adjustable SPDT Relays.  
Input ranges and impedance: 0-12 VDC @ 10M $\Omega$ , 0-24 VDC @ 20K $\Omega$  and 0-20 mA @ 500 $\Omega$ . Output: Four (4) form C relays. Fixed deadband 3% standard (1% and 10% optional). Power: 24 VAC or 24 VDC @ 180 mA max.  
Size: 2.25"L x 3.25"W x 1"H (8.26 x 6.99 x 3.81 cm).

Input: Analog  
Output: Four relays (trip level adjustable & fixed deadband)



ATL Series



### DESCRIPTION

Floating Point to Analog Output.  
Two Digital Inputs: Contact closure, transistor, or Triac. Trigger Level: 5-26.4 VDC or 24-26.4 VAC (50/60 Hz). Output: 10 presets from 0-1 VDC to 0-20 VDC and 0-20 mA. Rate of Change: 5 to 360 seconds. Power: 24-35 VDC or 24 VAC (50/60 Hz) @ 208 mA.  
Size: 3.75"L x 2.25"W x 1.15"H (9.53 x 5.72 x 2.92 cm).

Input: Floating Point  
Output: Analog (voltage or current)



AUD Series



### DESCRIPTION

Six Analog or Digital Inputs (Binary) to One Analog Output.  
Input ranges and impedance: 0-5 V @ 1M $\Omega$ , 0-10 V @ 20K $\Omega$ , 0-20 V @ 10K $\Omega$ , 0-20 mA @ 249 $\Omega$ , and digital inputs of 15, 24 VDC or 24 VAC. Output ranges: 0-5, 0-10, 0-20 VDC or 0-20 mA. Power: 24 VAC @ 255 mA max.  
Size: 4.0"L x 4.6"W x 1.0"H (10.2 x 11.7 x 2.5 cm).

Input: Analog  
Output: Analog (average, high, or lowest of 6, difference of 2 signals)



6N1-ISO

