

*Analog Signal Amplifier*



**ACI/ASA**



**Product Description**

The ACI/ASA is an analog signal amplifier which accepts an analog voltage or current input signal and re-scales it to a corresponding voltage output signal. Several preset input ranges are jumper selectable.

The top adjust trimmer potentiometer can be used to make fine adjustments for both the gain and offset. The output gain can be adjusted from 1 to 20 times the input of the ASA (gain will vary depending on the type of input). The offset of the output can range from +/- 20VDC. The ASA also has the ability to accept a resistance input when used in voltage divider applications.

Some of the most common applications include:

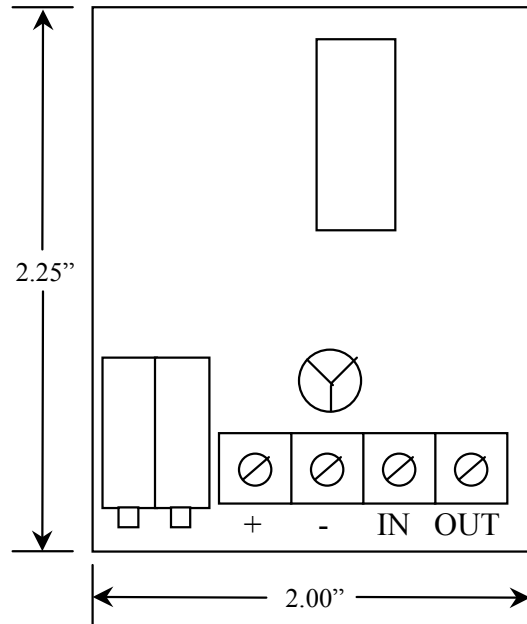
- Increasing analog signal current rating
- Adapts non-compatible signals
- Provides control of dimmable ballasts
- Provides power to control valves
- Current to voltage conversion

The ACI/ASA is available in a snap track mount configuration and comes with a two year factory warranty. Please contact ACI for more information regarding the ACI/ASA.

**Product Specifications**

<b>Supply Voltage</b>	24VAC +10% / -5% +25 to 30 VDC	<b>Signal Gain</b>	Voltage : 1 to 20 times Current: 1 to 10 times
<b>Supply Current</b>	2.05 Amps (max)	<b>Signal Offset</b>	+/- 0 to 20VDC
<b>Input Ranges</b>	Voltage = 0 to 20 VDC Current = 0 to 20 mA	<b>Input Impedance</b>	Current = 250 Ohms Voltage = 200K Ohms
<b>Output Ranges</b>	0 to 20 VDC (max)	<b>Operating Temp. Range</b>	32 to 120°F (0 to 48.8°C)
<b>Accuracy</b>	+/- 2% of full scale output	<b>Operating RH Range</b>	5 to 95% RH non-condensing
<b>Power Range</b>	2 Amps or 30 W maximum Pout = (load current * Vout) <i>If above 30W derate load current and recalculate power</i>	<b>Load Impedance</b>	10 Ohms minimum

## Dimensions



## Ordering Information

Model#  
A/ASA

Analog Input Range  
[ ]

↑  
Please Specify

Analog Output Range  
[ ]

↑  
Please Specify

**Example:** A/ASA -(4-20mA) to (0-5VDC) or A/ASA-(0-5VDC) to (0 TO 10VDC)