



FEATURES

- Field Selectable Input Ranges
- LED Power Indicator
- Compact and Economical
- Mounts in Snap Track

APPLICATIONS

- Increases Analog Signal Current Rating
- Provides Sufficient Power to Control Maxitrol™ Valves
- Provides Control of Dimmable Ballasts
- Adapts Non-compatible Signals
- Resistance to Voltage Conversion
- Current to Voltage Conversion



PRODUCT DESCRIPTION

The ASA is an analog signal amplifier which accepts an analog voltage or current signal and outputs a voltage signal. Several preset input ranges are jumper selectable.

The top-adjust trimmer potentiometers can be used to make fine adjustments of gain and offset.

The output gain can be adjusted anywhere from 1 to 20 times the input on the ASA (gain will vary depending on type of input). The offset of the output can be +/- 0 to 20 VDC.

By using voltage divider applications, the ASA can also accept a resistance input.

ORDERING INFORMATION

Specify: **ASA**

SPECIFICATIONS

Electrical Requirements

Power Supply

Supply voltage	24 VAC +10% / -5% 25 VDC to 30 VDC
Supply current	2.05 Amps maximum

Input (Jumper Selectable)

Voltage Range	0 to 20 VDC
Current Range	0 to 20 mA
Input Impedance	Current - 250 ohms Voltage - 200,000 ohms

Output

Voltage Range	0 to 20 VDC
Signal Offset	+/- 0 to 20 VDC
Signal Gain	Voltage - 1 to 20 times (output cannot exceed 20 VDC) Current - 1 to 10 times (output cannot exceed 20 VDC)
Offset (Jumper Selectable)	Zero Offset Positive Offset Negative Offset
Input to Output Tracking Accuracy	+/- 2% Full Scale Output
Power Range	2 Amps or 30 Watts maximum $P_{out} = [(V_{out}/Load) (V_{out})]$ $P_{out} = (Load Current) (V_{out})$ If above 30 watts, derate load current and calculate again
Load Impedance	10 Ohms minimum

Mechanical Requirements

Connections

Wire Size	Up to one 14 AWG maximum
Terminal Type	45° Captive screw, moving clamp design in nickel plated copper alloy

Dimensions

3.250" L x 2.905" W x 1.575" H

Weight

3.0 oz

Mounting

Furnished with 2.375" length of 3.25" wide snap track

Environmental Requirements

Operating Temperature	32 to 120 deg F
Storage Temperature	-20 to 150 deg F
Operating Humidity	5 to 95% non-condensing

Specifications may change without notice to improve product performance.

Call for Other Calibration Ranges and Versions.

If you have a different application or need, please call 1-800-886-2281 and discuss your needs with our Sales Engineers.