

**FEATURES**

- Buffered manual output signal
- 2 3/16" Snap Track mounting
- Standoff Mounting
- 4 Independent Channels

**APPLICATIONS**

- Damper signal override
- Hand-off auto switching of control signals

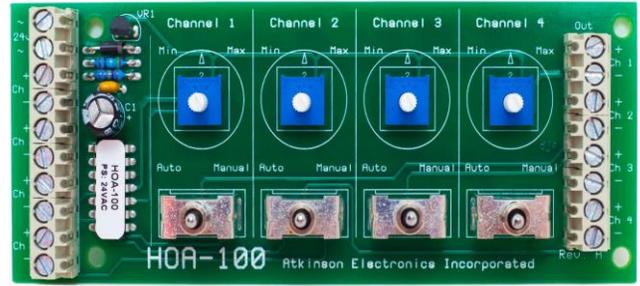
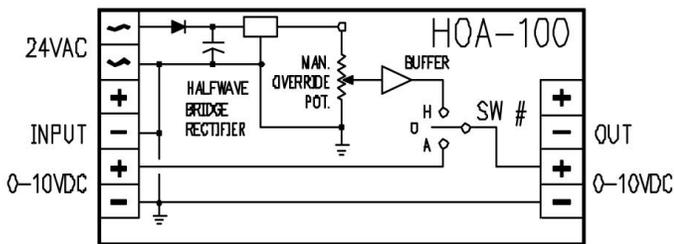
**DESCRIPTION & OPERATION**

The HOA-100 is a 4 channel hand off auto board designed to pass a voltage signal in auto mode or provide an op-Amp buffered adjustable voltage signal in hand mode.

The HOA-100 uses an industry standard half wave bridge power supply (terminal #2 of AC supply and the input/output signal commons (-) are connected). Each channel has its own H-O-A toggle switch and potentiometer for independent control.

**CAUTION:** Care should be taken to avoid connecting both 24VAC and input to a controller device that utilizes a full-wave bridge rectifier (or floating common). Mixing half-wave and full-wave bridge rectifier devices on the same 24VAC supply will damage the full-wave bridge rectifier devices when commons are connected. (See application diagrams on the back page).

**WIRING CONFIGURATION**



**SPECIFICATIONS**

SIZE:	5.5" W x 2.187" L x 1.5" H
MOUNTING:	2.187" Snap Track (included) or 1. X 4.625" standoff mounting
POWER:	24VAC ± 15%, 50/60Hz .5VA 24VDC @ 20mA
INPUT SIGNALS:	0-10VDC, or 0-15VDC
OUTPUT SIGNALS:	0-10VDC @ 5KΩ load minimum 0-15VDC @ 10KΩ load minimum
AMBIENT TEMP:	0-50°C

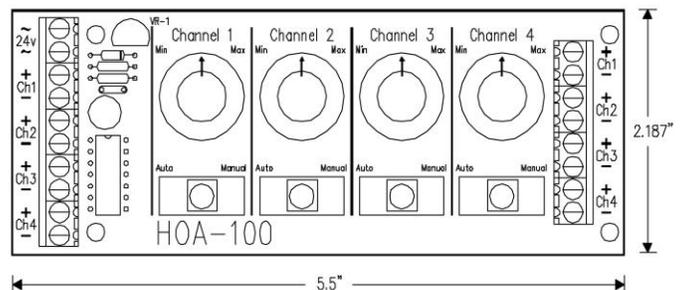
**ORDERING INFORMATION**

**HOA-100/XX**

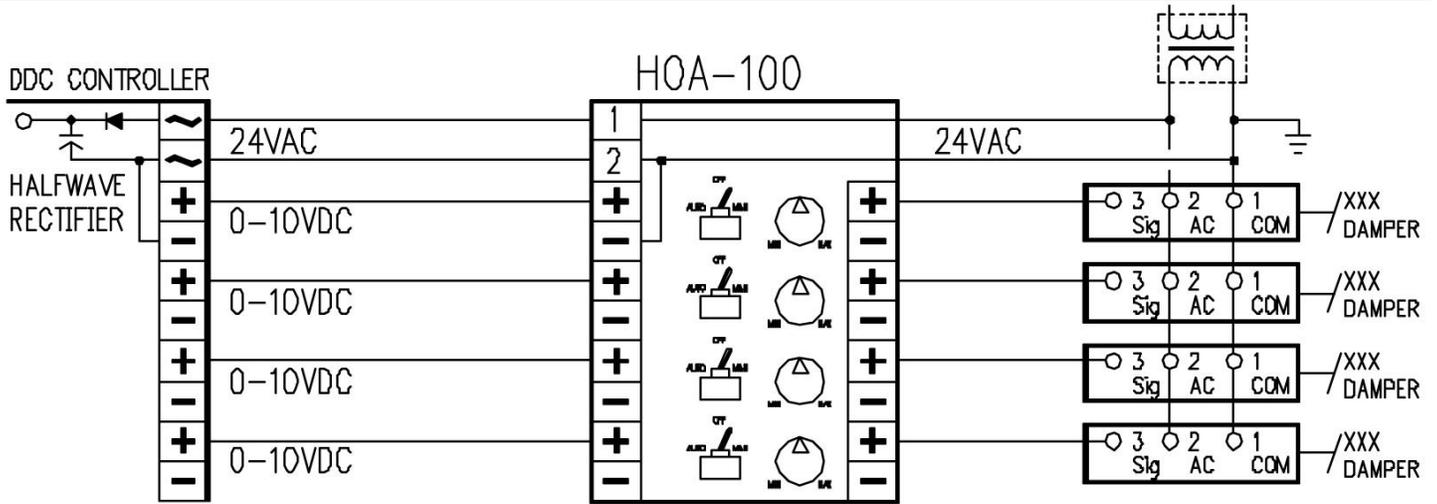
└ Manual Voltage Range Code

- 10 - 0-10VDC Voltage range
- 15 - 0-15VDC Voltage range

**PHYSICAL CONFIGURATION**

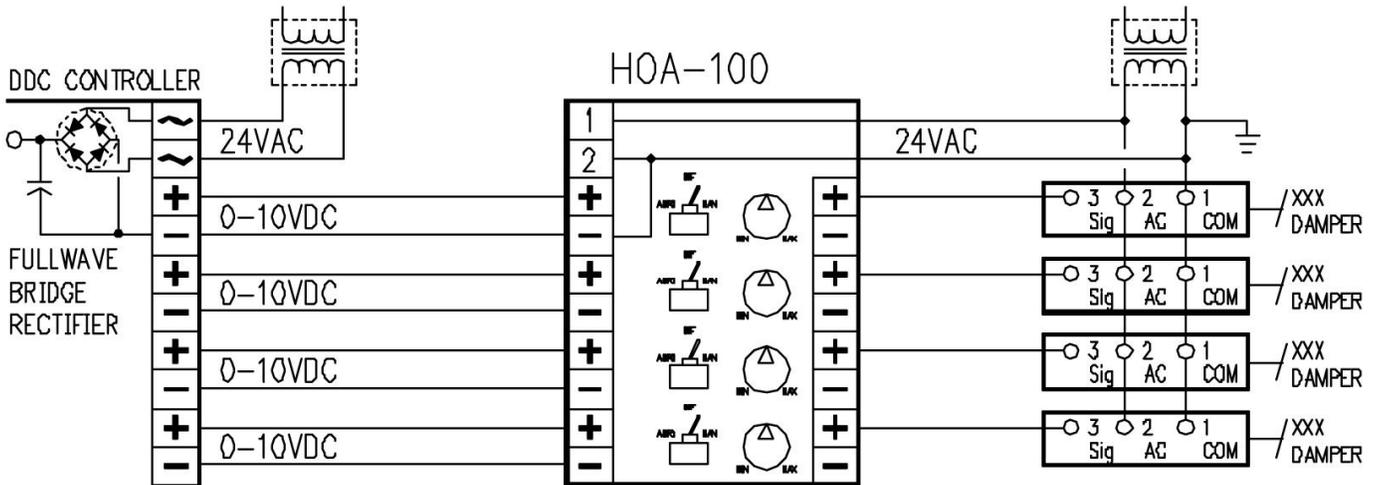


**APPLICATION 1  
DAMPER OVERRIDE WITH HALF WAVE BRIDGE CONFIGURED CONTROLLER**



The HOA-100 was designed to provide hand-off-auto capability to DDC type controllers in controlling damper position. The HOA-100 can be used for Hand-off-auto operations in other applications. Terminal 2 of the HOA-100 is common to both input and output common (-) terminals. The same transformer can be used but polarity must be observed.

**APPLICATION 2  
DAMPER OVERRIDE WITH FULL WAVE BRIDGE CONFIGURED CONTROLLER**



Terminal 2 of the HOA-100 is common to both input and output common (-) terminals. If being used with a controller that utilizes a full wave bridge rectifier in its power supply section (output common is floating or not connected to one side of AC input) an isolation transformer must be used to prevent damage to power supply section.