FEATURES

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

APPLICATIONS

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

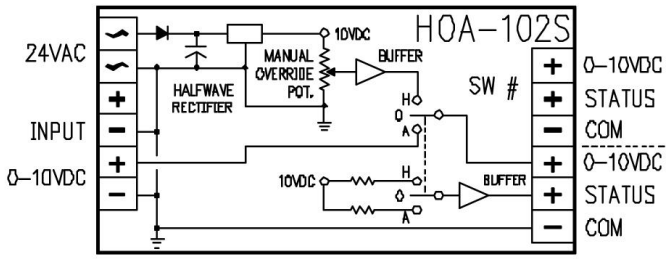
DESCRIPTION & OPERATION

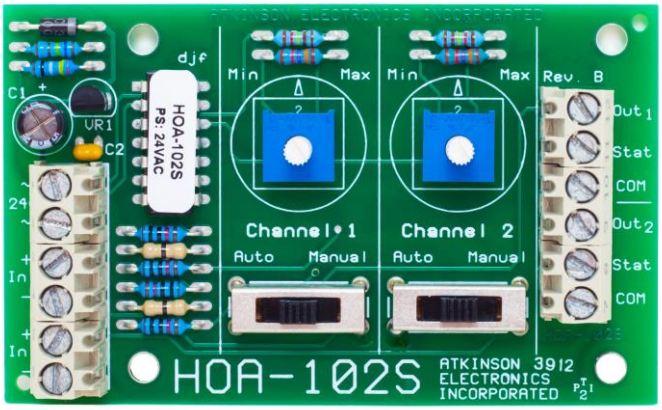
The HOA-102S is a 2 channel hand off auto board designed to pass a voltage signal in auto mode or provide an op-Amp buffered adjustable voltage signal in hand mode. The HOA-102S uses a DPDT slide switch for each channel which provides for a status voltage to indicate the position or mode of the slide switch. The status voltages are: 0VDC indicates off position, 5VDC indicates hand position, and 10VDC indicated auto position.

The HOA-102S uses an industry standard half wave rectifier power supply in which terminal #2 of AC supply and the input/ output signal commons (-) are connected.

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.
See application diagrams located on back.

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

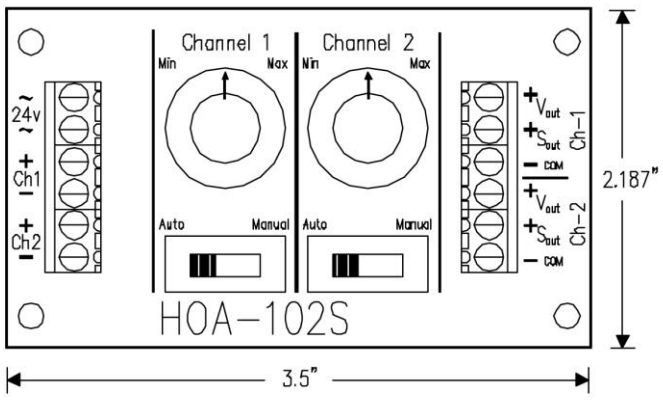
ORDERING INFORMATION

HOA-102S/XX

└ Manual Voltage Range Code

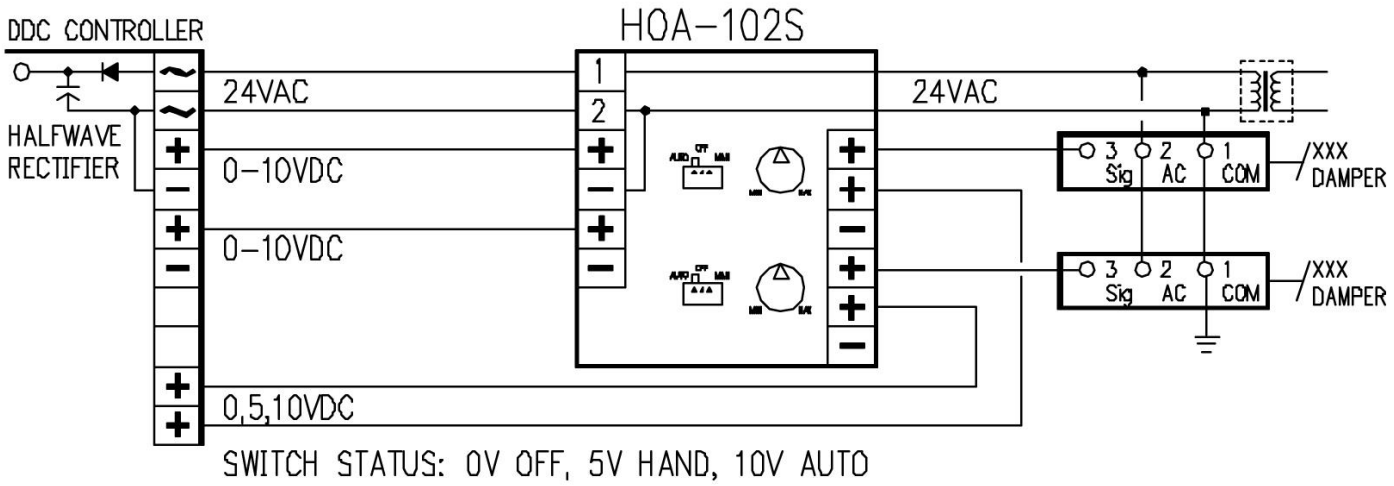
10 - 0-10VDC Voltage range
15 - 0-15VDC Voltage range

PHYSICAL CONFIGURATION



APPLICATION 1

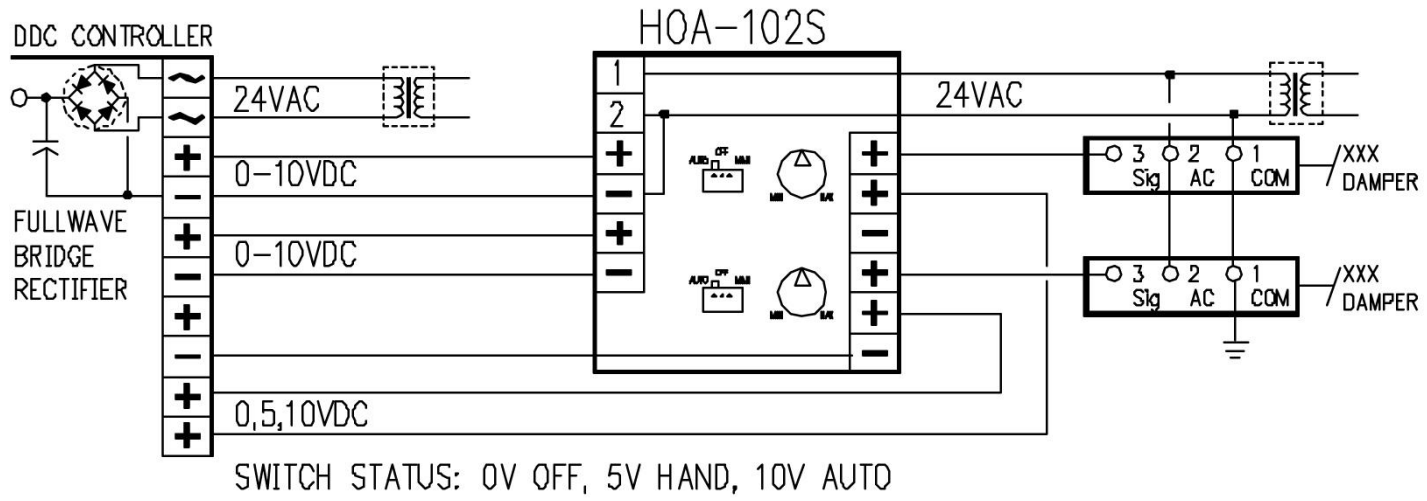
DAMPER OVERRIDE WITH HALF WAVE BRIDGE CONFIGURED CONTROLLER



The HOA-102S was designed to provide hand-off-auto with status capability to DDC type controllers in controlling damper position. The HOA-102S can be used for hand-off-auto operations in other applications. Terminal 2 of the HOA-102S 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-102S 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.