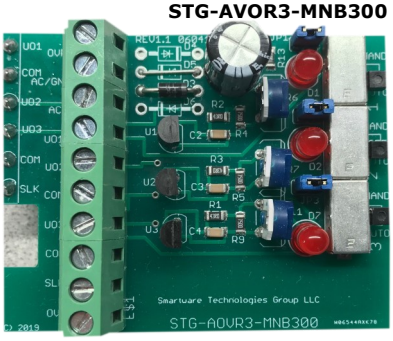
AOVR Series
Analog Output Override Cards

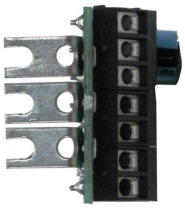
Designed For

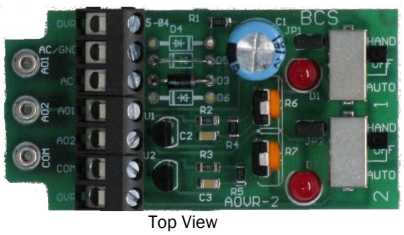
- IA-ASD Product Line
- IA-LON Product Line

STG-AVOR3-MNB300



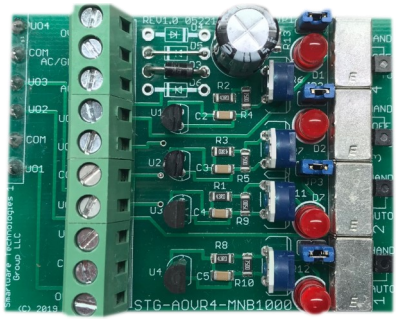
STG-AVOR-2


Front View

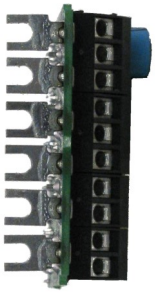


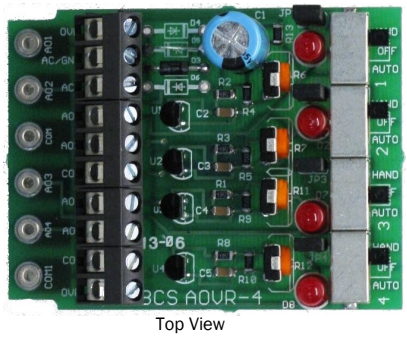
Top View

STG-AVOR4-MNB1000



STG-AVOR-4


Front View



Top View

Benefits and Features

- AOVR generates 4-20 mA Analog Output Signal via on-board circuitry and power supply
- Manual adjustment of individual output channels
- Exceeds competitors' manual override offering
- Visual feedback of output signal via variable intensity LED's
- Inline test plugs for easy trouble shooting and calibration
- Eliminates need for interface software when calibrating/trouble shooting end devices
- No external DC power supply required
- Uses same 24 VAC input as controller

AOVR Series

The AOVR Series of Analog Output Override Cards are available in two and four channel versions. These cards allow for manual override of a controller's analog output channel. This card has been designed for the TAC Network 8000 Microzone II and IA-LON MNL-800 Controllers, but may be applied to any controller with a 4-20 mA output with the addition of interposing terminals. The AOVR (2/4) allows an operator to manually select Auto-Off-Hand.

Specifications

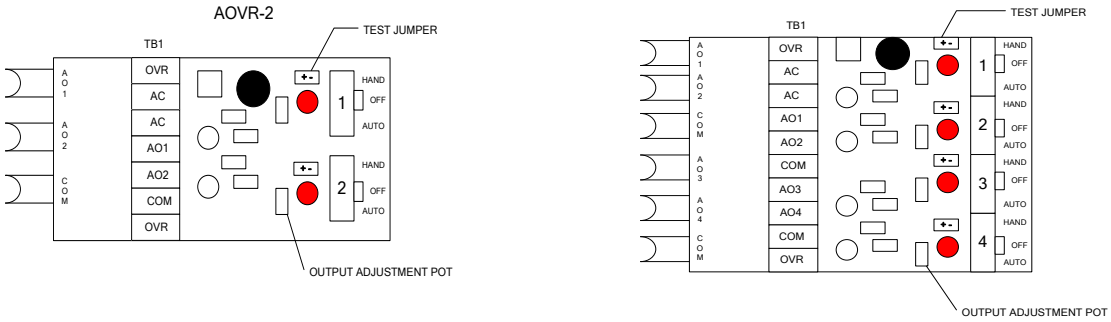
Operating Temperature:	+32 to +122 Degrees F
Power Supply:	24VAC Approximately 100mA

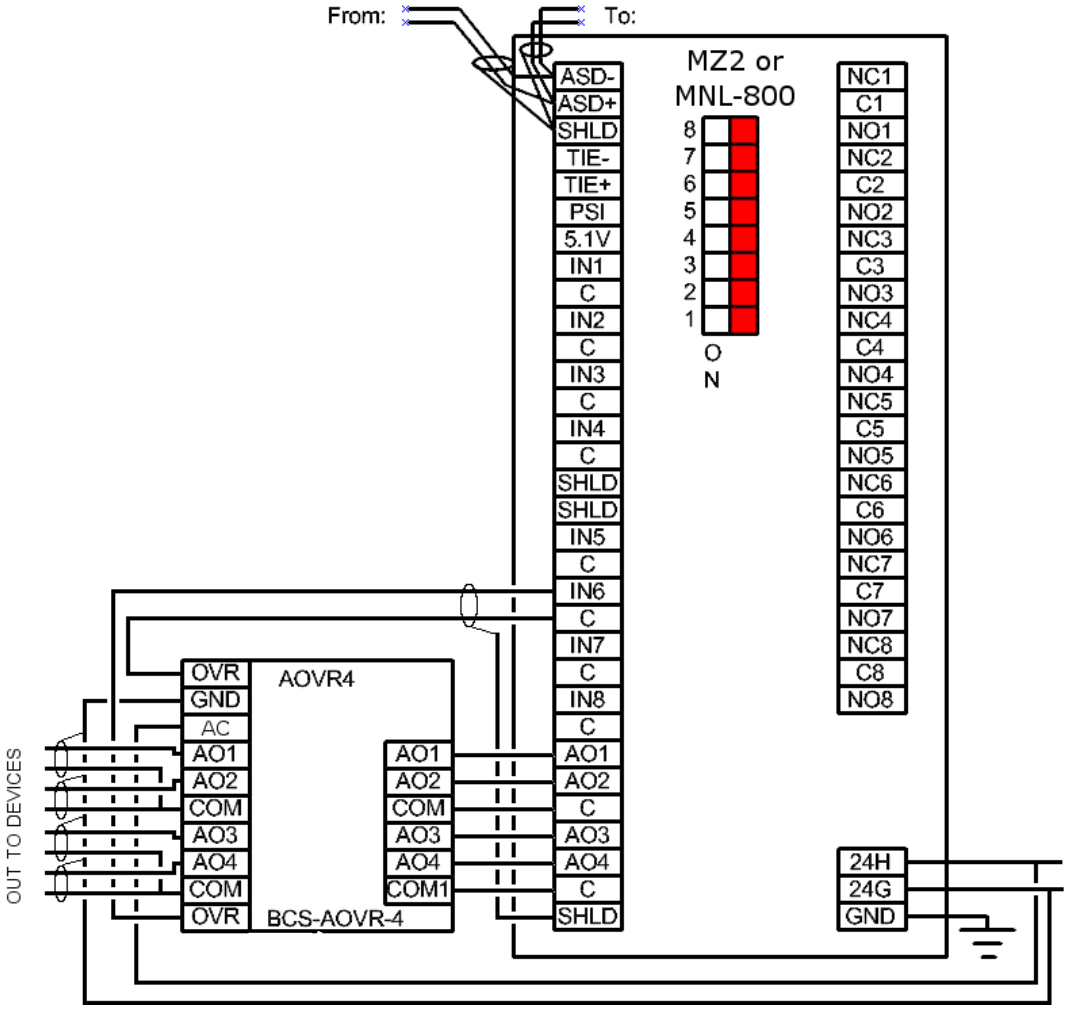
* Can be powered from same transformer as MicroZone or MNL-800.
* Output devices must have isolated power supplies or damage may occur.

Operation

Signal Output:	**Hand Position:** 4-20 mA into a 600 ohm load (maximum) adjustable via on-board multi turn potentiometer "OUTPUT ADJUSTMENT POT". **Off Position:** Electrically isolated, zero output **Auto Position:** Electrically connects to a MicroZone Output
Test Outputs:	**Visual Feedback:** On-board Light Emitting Diodes (LED) vary intensity based upon output signal from 4–20 mA.
Test Pins:	**Test Jumper:** On-board test jumper pins allow for inline measurements of output signal.
Monitoring:	Card allows for monitoring status of overrides. Terminals OVR and OVR provide a normally closed contact which opens when any switch is placed out of the Auto position.

Wiring:


AOVR-2
TB1
TEST JUMPER
OVR
AC
AC
AO1
AO2
COM
OVR
HAND
OFF
AUTO
OUTPUT ADJUSTMENT POT
AOVR-4
TB1
TEST JUMPER
OUTPUT ADJUSTMENT POT


From:
To:
MZ2 or
MNL-800
ASD-
ASD+
SHLD
TIE-
TIE+
PSI
5.1V
IN1
IN2
IN3
IN4
IN5
IN6
IN7
IN8
C
NC1
C1
NO1
NC2
C2
NO2
NC3
C3
NO3
NC4
C4
NO4
NC5
C5
NO5
NC6
C6
NO6
NC7
C7
NO7
NC8
C8
NO8
24H
24G
GND
AOVR4
OVR
GND
AC
AO1
AO2
COM
AO3
AO4
COM
OVR
BCS-AOVR-4
COM1
OUT TO DEVICES