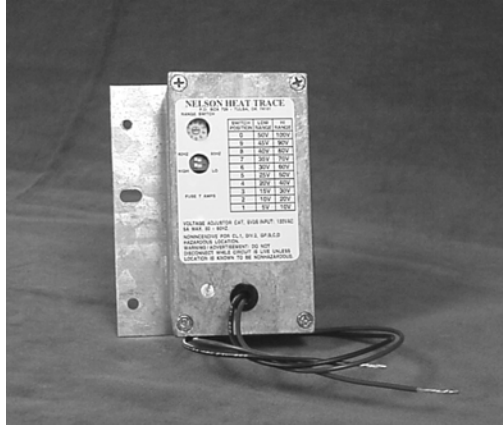


# NELSON™ HEAT TRACING SYSTEMS

## SV-2S VOLTAGE ADJUSTER

### SPECIFICATION / APPLICATION INSTALLATION

#### DESCRIPTION



#### ENCLOSURE

Die Cast Aluminum

#### CLASSIFICATIONS

NEMA Type 1 IP 10

#### ELECTRICAL DATA

Input Voltage: 110-120VAC

Output Voltage Range: 5-100VAC

Maximum Output Amperage: 5A

#### ACCURACY

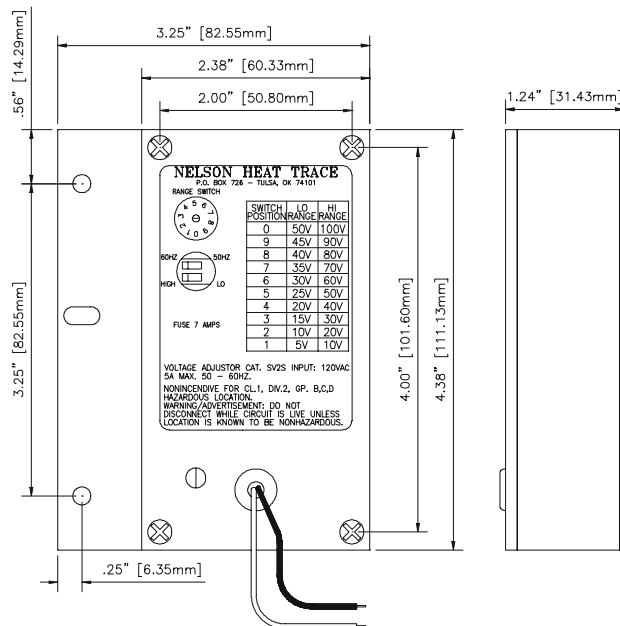
± 5% of Setting

#### OPERATING RANGE

-20 to 140° F (-29 to 80° C)

The SV-2S voltage adjuster is used for reducing supply voltage between 5-100VAC. This is standardly used for Mineral Insulated (MI) cable designs when full voltage exceeds application requirements.

#### OUTLINE



Device is rated for use in Ordinary Locations. Device must be installed in an explosion proof/flameproof enclosure with proper certifications for use in classified locations.

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## SPECIFICATION / APPLICATION INSTALLATION

### INSTALLATION

#### INSTALLATION NOTES:

- Securely mount enclosure.
- Set voltage on SV per instructions.
- Be sure to remove all power prior to electrical connection. Do not connect or disconnect wiring while circuit is live.
- Insure all electrical connections associated with the power wiring are installed per applicable codes.

#### ANNUAL MAINTENANCE:

- Spray a coat of lubricant and rust preventative such as CRC Stor & Lube on the electrical wire connections.
- Test the correct function of the unit utilizing a True RMS Meter and/or a clamp-on style Amp Probe.

#### INITIAL SETUP:

- Select the proper voltage frequency by sliding the selector switch to the appropriate value.
- Determine your voltage range from the chart on the unit front cover.
- Select the proper voltage range by sliding the selector switch to the appropriate value.
- With a small screwdriver, rotate the Range Switch to the Switch Position that corresponds to the required voltage from the chart on the unit front cover.

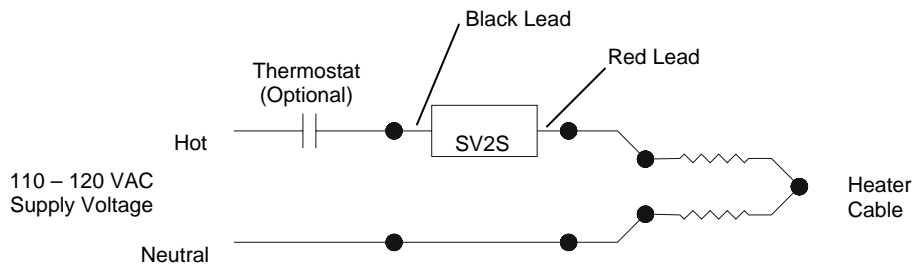


**Set voltage on SV per instructions.**

#### REPLACEMENT FUSE:

- Schurter Part No. 0034.1525, Bussman Part No. GMA8A, or approved equal

### WIRING DIAGRAM



Nelson Heat Tracing Systems products are supplied with a limited warranty. Complete Terms and Conditions may be found on Nelson's website at [www.nelsonheaters.com](http://www.nelsonheaters.com).