

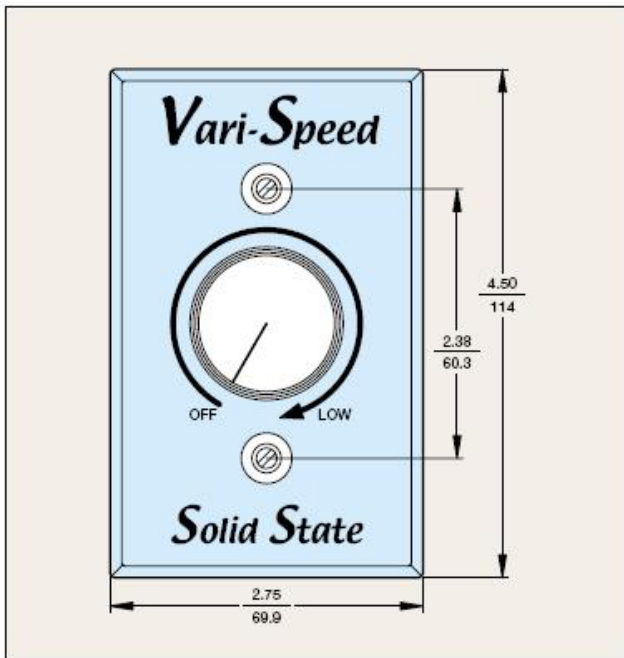
Solid State Speed Control

These are a comprehensive line of motor speed controls for air-moving applications that utilize Shaded Pole, Permanent Split Capacitor (PSC), and AC/DC motors. The full-wave phase control circuitry minimizes power loss, thereby reducing energy requirements. The controls provide infinitely variable speed adjustment which allows the end-user to select the desired level of air volume. These models cover a range of current ratings (2.5 - 15 Amps AC) and voltage rating (115 AC).

- Compatible with our Inline Fans
- Built-In On/Off AC Line Switch
- Minimum Speed Trimpot
- RFI Filter (Provides RFI and EMI Suppression)
- Mount in a Standard 2"x4" Electrical Wall Box
- UL Listed / Recognition CSA

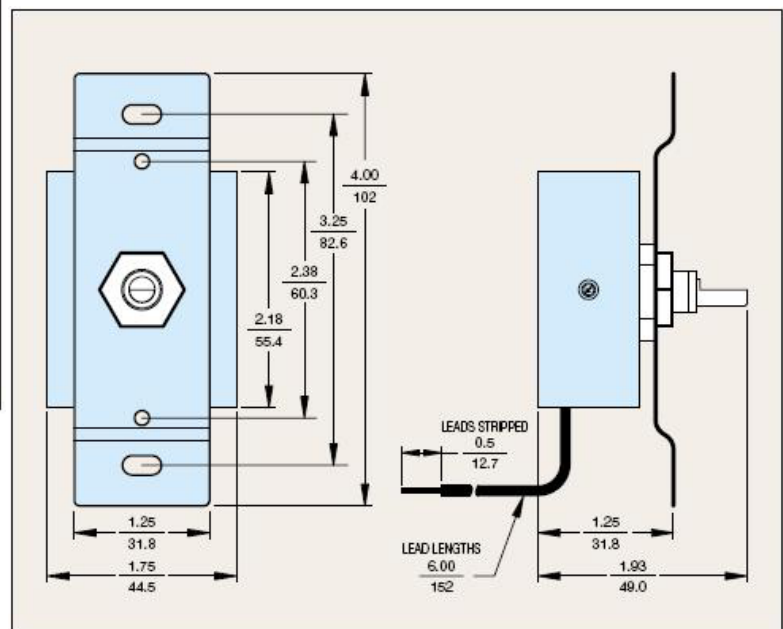


Specifications (inches/mm)



Front View

Side & Back View



Application Notes

1. Radio Frequency Interference (RFI): Solid-State speed controls will generate radio noise on the AM band. Speed controls contain, as standard, a high-gain RFI suppression filter which significantly reduces this interference.
2. Low End Set Point (Minimum Speed): 115 Volt input speed controls are factory set to 60 Volts AC output (± 3 Volts).
3. Motor Suitability: Motors must be loaded to near full capacity with the appropriate fan blade to achieve correct speed control. Normally, motor suitability is established by determining motor speed as a function of applied voltage. A motor is determined as suitable if it changes speed linearly over a wide range of voltage. It is required that all motors must have a built-in thermal overload protector when used with solid-state speed controls.
4. Temperature Test: The non-sinusoidal output voltage of a solid-state speed control may increase motor heating. Therefore it is essential that a temperature test be conducted to guarantee that the motor is operating within the manufacturer's specifications.
5. Leads: All leads are roughly 6" (15 cm) long and stripped $\frac{1}{2}$ " (1.25 cm). Custom lead lengths, colors, and terminations also available.

Connection Diagram

