

MODEL AV-11 AGRI-AIDE VENTILATION CONTROL

CALIBRATION INSTRUCTIONS

If the AV-11 sensor cable is changed or lengthened, then recalibration of the temperature response of the AV-11 may be needed for best operation.

WARNING

Recalibration must be done by a licensed electrician only. Recalibration creates an exposure to a dangerous shock hazard which could be life threatening.

To recalibrate the AV-11, follow these steps:

1. DISCONNECT ELECTRICAL POWER TO THE AV-11.
2. Measure the actual room temperature at the sensor location with a thermometer.
3. Open the AV-11 enclosure to reveal the printed circuit board. Move the slide switch on the printed circuit board to the VENT mode.
4. Set the TEMPERATURE knob (the top knob on the front of the AV-11) to 95 °F or above.
5. Set the MINIMUM SPEED knob (the bottom knob on the front of the AV-11) to zero.
6. Ensure that all exposed wires and the printed circuit board are not touching any conductors and then reapply power to the AV-11 control.
7. Adjust the SPEED TRIM control (the shaft that extends from the back of the circuit board) until the fan(s) slows down, but maintains enough speed to keep shutters open and air moving. Motor RPM should be between 550 and 700 RPM at this setting, but an exact RPM setting is not necessary. Pause after each adjustment for motor speed to stabilize.
8. Move the slide switch on the printed circuit board to the COOL mode.
9. Set the TEMPERATURE knob to the room temperature measured in Step 2.
10. With a small screwdriver, adjust the TEMP CAL potentiometer, located at the middle right side of the printed circuit board, until the fan(s) just barely stops.
11. Move the slide switch back to the operating mode, either VENT or COOL as necessary. In the VENT mode, the fan should be running at the minimum speed.
12. DISCONNECT ELECTRICAL POWER TO THE AV-11, then reassemble the AV-11 and reconnect electrical power. Calibration is complete. Reset the AV-11 for normal operation and check the operation of the fans.



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