



D-35:

The first step in testing the D-35 controller is to confirm that there is 24 VAC powering the board (top left connections on the controller). Next, remove the two wires on the SSR + and – connections (top right connections on the controller) and jumper those two connections. If there is a load connected on the DC relay output, disconnect the from that output. If there is a room override switch installed, verify that it is closed. If the red light stays off, continue with following steps.

Temporarily connect terminals ‘4’ and ‘-‘ together. The red light should be flashing. If the red light stays off, the controller is defective and replacement is required.

The D-35 is a hybrid controller. It can accept four different signals as input. If it is 0-10 VDC, force your signal to be 10 VDC to make the controller go full heat. If it is 4-20 mA, force your signal to be 20 mA to make the controller go full heat. If it is 0-135 Ohms, force your signal to be 135 Ohms to make the controller go full heat. If the input is a thermistor stat, set your stat to maximum. Make sure the little white jumpers are positioned properly depending on the type of input provided. Refer to the label on the controller.

If using second stage DC relay control, turn off the power and reconnect the wires going to the relay. Turn the power back on and verify heat is being generated by the element which is connected to this relay. If there is no heat, verify 0 volt (approximately) across the relay contacts using a voltmeter. If you are not reading 0 V, the relay needs to be replaced.

