



Testing SSR relays:

SSR relays are electronic relays. They respond to an input signal of 4VDC to 32 VDC. That input is sent from the controller in the unit. For this reason, it is the normal process to first test the controller and then proceed with the testing of the relays. The typical failures of relays come from the fact that those relays are designed to switch a certain number of times. After this, the contact in the relay will eventually get stuck either in an open position or a closed position. If the contact is stuck closed, the elements will eventually overheat and the thermal cut-outs will cut the operation of the unit. If the contact is stuck open, the unit will never heat even when there is a demand for heat. Please note that heat is the most common source of problem that can damage relays. This is why it is recommended to have air circulate through the venting holes of the control box.

