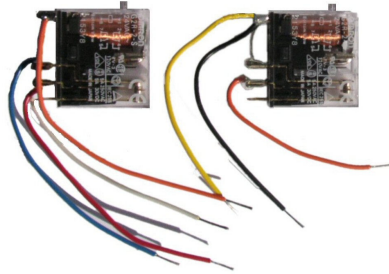


# HMI HOYME MANUFACTURING INC.

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## Replacement Relay Kit Installation Instructions for 2 Furnaces Type SF2 (SWITCH TYPE) – (3121-1332-S24) Kit



PROBLEM: Damper remains open at all times.

- A. Check Switches on the side of the control body to be in the “UP” position.
- B. Check power supply to the Damper (24Vac).
- C. Test for faulty MOTOR by jumping terminal #3 to #4. If damper does not close, a faulty motor is suspected. Contact the factory for details.
- D. If damper closes, faulty RELAYS are suspected. Proceed as follows:

- 1) - Turn off main power supply to both furnaces.
- 2) - Remove the control body cover and slip relays out to expose relay wires.
- 3) - Wires from the damper are to be cut off close to the relay posts. Strip these wires ¼” on the end ready to connect to the new relay wires.
- 4) - Using wire nuts supplied, join wires color to color. i.e. All blacks to blacks, orange to orange, purple to purple, etc. Exception: A few manufactured dampers have three orange wires; two on one relay post and a single orange wire connected to the relay contact post. To this single orange wire connect the replacement purple wire.
- 5) - Leave relays exposed for preliminary test. Turn on main power supply to both furnaces and the damper will close. Test by adjusting each thermostat separately to ask for heat. Damper will open for each furnace and furnaces will operate normally.
- 6) - Turn off the main power supply and slip the new relays into the control box taking care not to pinch the wires or to cause a short between the relay terminals and the control box. Refasten relays with the relay clamp. Replace cover.
- 7) - Turn on power supply and re-test furnace/damper operation.