

Installation Instructions for Models 50 and 51 Current Sensing Relays

READ COMPLETE INSTALLATION INSTRUCTIONS BEFORE STARTING.

⚠ WARNING

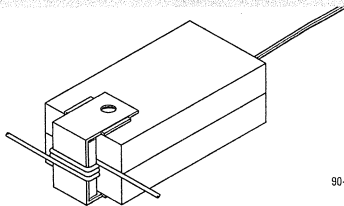
120 volts may cause serious injury from electric shock. Disconnect power to the furnace before attaching the Model 50 or 51 Current Sensing Relays.

⚠ CAUTION

1. Load must not exceed recommended ratings. (See specifications)
2. Load must be wired in series with relay.
3. Do not power humidifier from furnace blower motor circuit.

GENERAL INFORMATION

MODELS 50 AND 51 RELAY

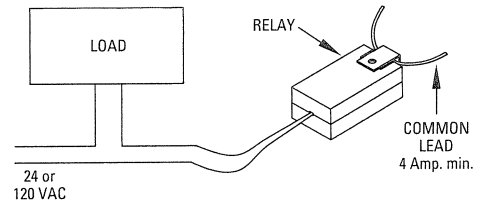


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1. Not approved for directly controlling motors of safety related applications.
2. Always disconnect power before working on the Current Sensing Relay or its connected load.
3. Follow all local electrical and safety codes, the National Electrical Code (NEC), and OSHA requirements.

GENERAL INSTALLATION PROCEDURES FOR MODELS 50 AND 51 RELAYS

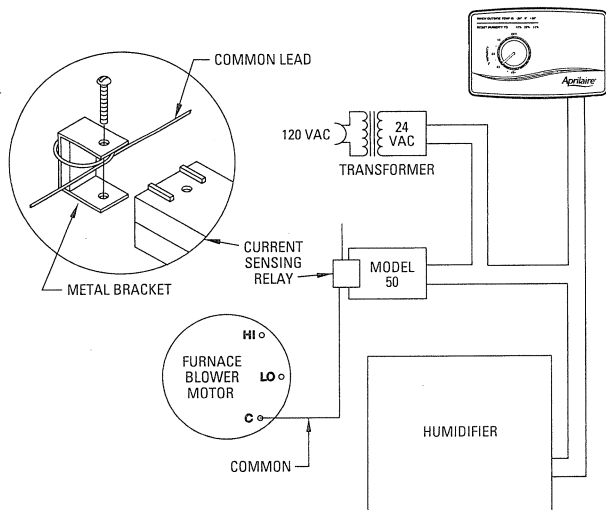
1. Disconnect power before installing.
2. The Models 50 or 51 must be located at least 4" from any transformer.
3. Remove the screw from the bracket and place the common wire that will activate the relay between the bracket and the plastic case.
4. If the current through the common wire is less than **4 amps**, wrap it one or more additional turns around the metal bracket.
5. Replace the metal screw in the bracket.
6. Complete the wiring as shown in the appropriate diagram.
7. Read the checkout procedure.
8. Relay bracket must not come in contact with metal.



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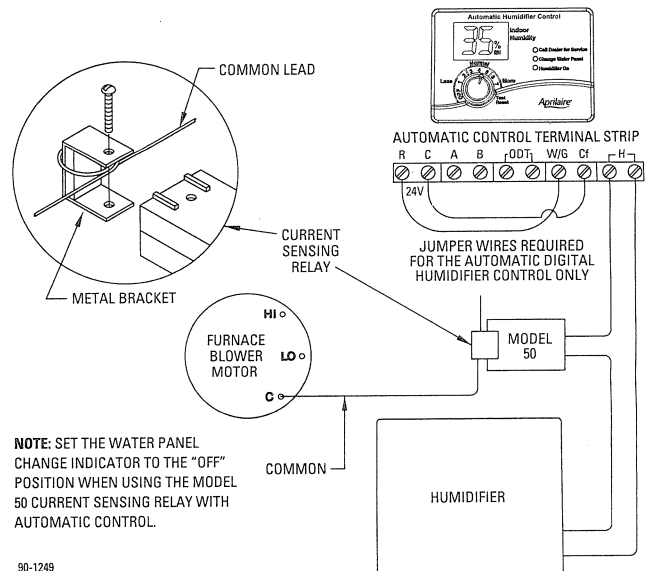
MODEL 50 HUMIDIFIER WIRING DIAGRAMS

INSTALLED WITH MANUAL HUMIDIFIER CONTROL



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INSTALLED WITH AUTOMATIC HUMIDIFIER CONTROL



90-1249