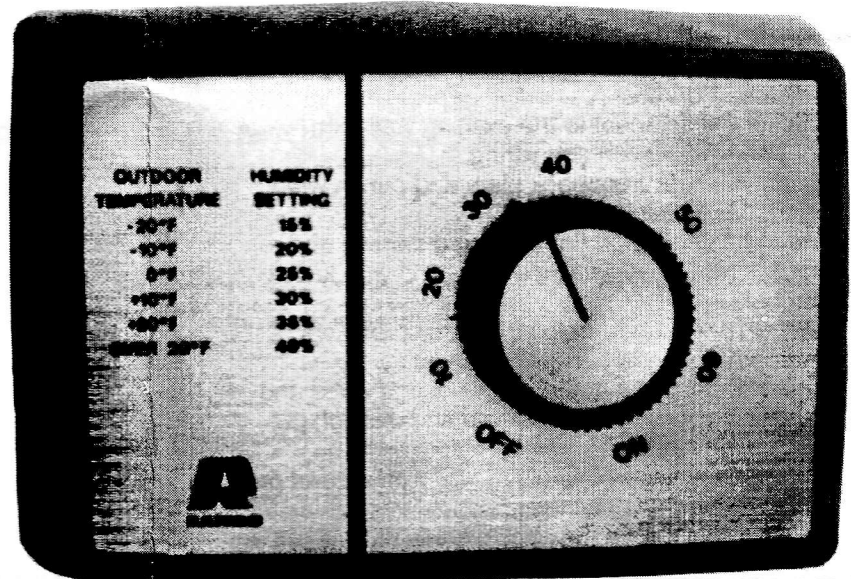


# INSTRUCTION SHEET

Bulletin No. 1531012 REV. A

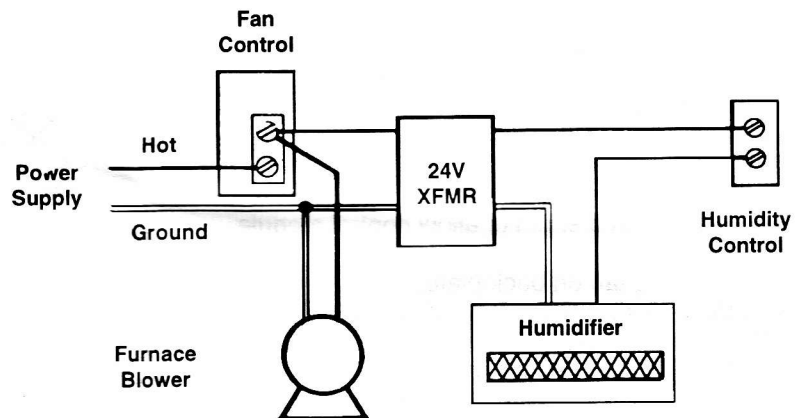
## J10-0808 Humidistat Wall (remote) or Air Duct Mounting INSTALLATION INSTRUCTIONS



### APPLICATION

The J Humidistat will control the automatic operation of a low voltage (24V) humidifier placed in a warm-air duct of a forced-air furnace.

### WIRING DIAGRAM



## INSTALLATION INSTRUCTIONS

Disconnect electrical power. Determine Humidistat location. The control can be wall mounted in the living area beside the furnace thermostat or it can be mounted directly in the cold air return duct of the furnace. Wall mounting provides extra convenience, however duct mounting allows the control to sense the air returning from all living areas and provides better overall humidity control.

### WALL MOUNTING (Figure 1)

1. Disconnect electrical power.
2. Determine humidistat location. This control should be mounted on an inside wall where normal air circulates. For most residential applications, locate the control adjacent to the existing wall thermostat for easy installation and wiring.
3. Remove cover from back plate and punch wiring knockout on back plate.
4. Place back plate on flat mounting surface and mark 2 mounting hole locations, and wire knockout hole.
5. Drill  $3/16"$  diameter holes for drywall anchors (if needed) and insert drywall anchors.
6. Drill  $1/2"$  diameter hole for low voltage wires and pull wiring through access hole and through the back plate.
7. Mount back plate securely to wall with screws provided in the parts package.  
**NOTE:** Make sure the back plate is flat without any undue stress.
8. Connect wires to Terminals #2 and #3. Wires should not be taut after connection.  
**NOTE:** All wiring should conform to NEC recommendations and any local codes.
9. Re-install front cover and knobs.
10. Turn electrical power back on.

### DUCT MOUNTING (Figure 2)

1. Disconnect electrical power.
2. Remove knob and cover from back plate (knob pulls off).
3. Remove control module from front of back plate and mount on reverse side.
4. Connect shaft extension to control module (through back plate).
5. Place template on vertical flat surface of the return air plenum.
6. Mark and drill mounting holes.
7. Cut out section of plenum to allow control module to pass through.
8. Break off wiring tab on back plate.
9. Attach 24 V wires to Terminals #2 and #3.  
**NOTE:** All wiring should conform to NEC recommendations and any local codes.
10. Secure back plate to the plenum (screws provided). Direct all wires through the wiring slot but do not pull wires too tightly. Make sure the back plate is flat and is not under any undue stress.
11. Re-install front cover and knob.
12. Turn electrical power back on.

FIGURE 1

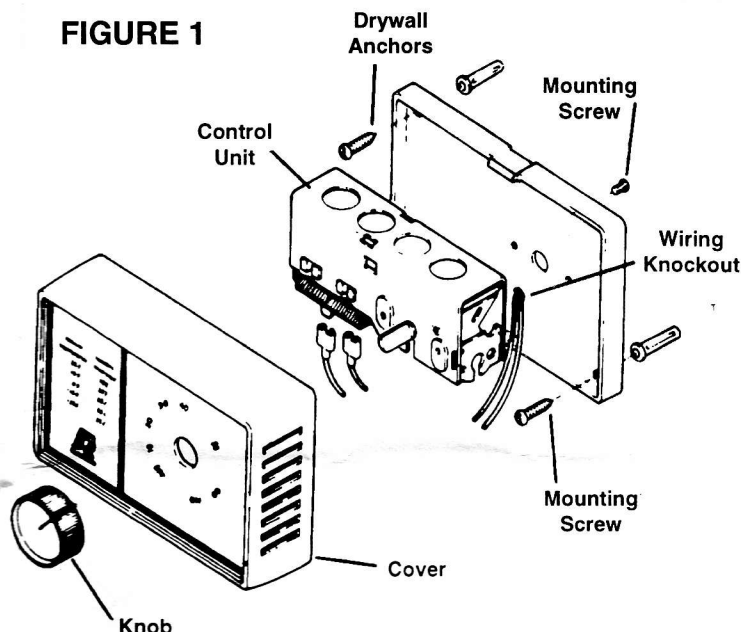
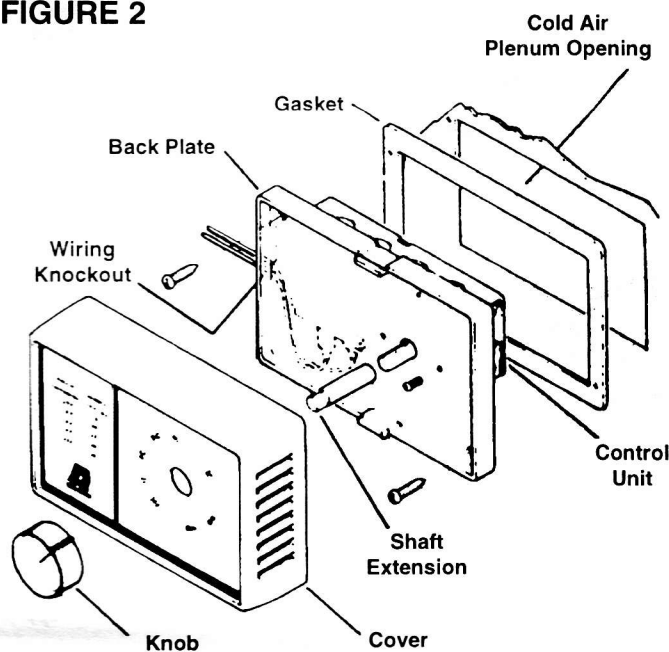


FIGURE 2



## OPERATION

1. Cycle the humidistat at least three times to assure proper function.
2. Check ambient humidity level with a sling psychrometer. Too high humidity levels may cause damage to building.

**CAUTION:** The furnace blower must be operating before the humidifier is activated.