



decentralized air conditioning systems

# Installation Instructions Control Module GUEST ROOM

## 700 SERIES — MODELS 7 THRU 17 CONTROL MODULE INSTALLATION

Control module is available for Manual Change Over operation. This control incorporates a special 24v circuit controlled by a desk panel which permits activation and shut-down of units as required by room occupancy.

Each control is furnished with an adjustable low temperature thermostat. The thermostat is adjustable from 40 degrees F to 60 degrees F and prevents the room from dropping below the preset temperature. The thermostat is adjusted at the bottom of the control module by use of a screw driver.

**Step 1.** Remove and save two (2) mounting screws from top front of control module.

**Step 2.** Complete 24v wiring to desk panel. 24v terminal board is located on the back of the control module. (See Fig. III).

**Step 3.** Fit aluminum switch plate over push buttons and thermostat shaft. Press thermostat knob onto thermostat shaft.

**Step 4.** Hook slot at the top rear of control module over the support angle in the room cabinet. Swing module upward and forward until mounting holes in module align with mounting slots in the front flange of room cabinet.

**Step 5.** Re-install two (2) mounting screws and tighten securely.

**Step 6.** Plug heat section cord and cool chassis cord into the control. The heat section cord and cool chassis cord are labeled to match their receptacles at the control.

**Step 7.** Open blower compartment cover on cooling chassis by loosening two (2) sheet metal screws. Unwind thermostat capillary tube and stretch it through slot at upper left corner of blower compartment. **CAUTION:** Be careful not to kink or break capillary tube while unwinding it.

Insert bulb and clip at left hand blower inlet. Tip of bulb must be higher than its junction with the capillary tube and must not come in contact with the blower wheel or motor shaft. Close blower compartment cover and tighten two (2) sheet metal screws.

## MANUAL CHANGEOVER

Correct voltage and current must be supplied to each terminal in accordance with the nameplate ratings. The disconnect switch must be closed and all electrical leads must be plugged into the control module in the correct manner. **CAUTION:** Before turning on main power, make certain that all control module stand-by (OFF) buttons are down. Standard 5-button control modules provide for stand-by (OFF), HI COOL, LO COOL, HEAT and VENT. Each function operates as follows:

**A.** Set thermostat knob fully clockwise (COOLER) and press HEAT button. Blowers will start immediately at lo speed. Slowly turn thermostat knob fully counterclockwise (WARMER). Heating module will now operate and discharge air will grow warm.

**B.** Set thermostat knob fully counterclockwise (WARMER). Press LO COOL button. Roomside blowers will run at lo speed. Slowly turn thermostat knob fully clockwise (COOLER). Compressor and condenser blower will now operate and discharge air will grow cooler.

**C.** With compressor and condenser blower running, press HI COOL button. Roomside blower speed will increase.

**D.** Press VENT button. Compressor and condenser blower will stop. Roomside blower will run at normal speed. The motorized damper will open to admit fresh air to the blower compartment.

**NOTE:** Fresh air damper will operate at all times when VENT button is pushed. Fresh air damper will be closed during all other cycles unless damper override switch is set to OPEN position.

**E.** Press stand-by (OFF) button. All operations will stop.

