

- Cooling control module with built-in fan delay

**SPECIFICATIONS****Input**

- **Voltage:** 18-30 VAC

**Output**

- **Rating:**
  - **N.O.:** 20 amps
  - **N.C.:** 10 amps

**Time Delay**

- **Fixed:** 90 seconds

**INSTALLATION INSTRUCTIONS**

The ICM272 circuit board may be used to replace the HK61GA003 and the older HK61GA001 board. When replacing the HK61GA001 board you must do the following:

1. If the HK61GA001 board has an accessory Time Delay Relay (TDR), remove and discard the TDR. The ICM272 board has a built-in TDR.
2. The common of the transformer was connected to the "C" on the HK61GA001 "circuit board." The hot side of the transformer was connected to "R" on the HK61GA001 "terminal board." The HK61GA003 and the ICM272 are exactly the opposite.

***On the ICM272 the "C" connections are attached to earth ground through the mounting hole and metal bracket which must make contact with a u-shaped solder pad on the rear of the board. A metal washer can be used between the board and the bracket if spacing is an issue. The common of the thermostat connection board must also be tied to the same earth ground (see Fig. 1).***

3. When installing the ICM272 board, be sure to remove the sheet metal bracket from the old board and install it on the new board using all screws. Be sure to install the screw from the back of the board into the bracket and from the terminal board "C" to the bracket. Reinstall the star washer if equipped. **The bracket allows a ground path from the U-Shape center pad of the circuit board to the grounded unit chassis. A break in the ground path will cause the board to malfunction.**
4. The male quick connects on the HK61GA001 circuit board were all 1/4". The HK61GA003 board has some 3/16" quick connects on the common side of line voltage. Replace the 1/4" female quick connects on the motor common wire (F1), transformer common (T1), and EAC1 wire (if equipped), with 3/16" quick connects (field supplied).
5. The C wire of the fan is connected to the F1 terminal (common) on the ICM 272. The wire for medium speed on the fan is connected to the F4 terminal on the ICM272. Any additional speeds on the fan are connected to the DUMMY terminals F2 & F3.
6. The low voltage thermostat connections are connected to the upright thermostat terminal board (see other side).

**Primary**

**Secondary**

