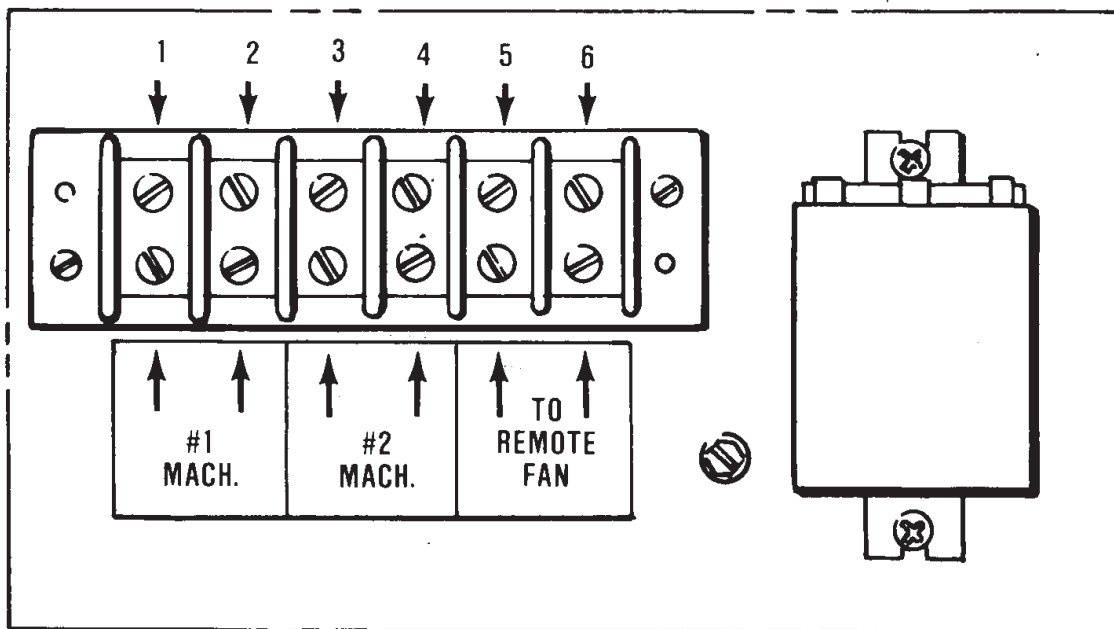


Instructions

When 2 ice machines are connected to 1 remote condenser coil, and the fan motor is powered from the ice machines, a relay kit is required to connect power to the fan motor.

1. Attach the relay box of the KCMR230 to a location that is convenient for installation and future service.
2. Attach a solid earth ground wire to the ground screw.
3. Route the connecting wires from the first ice machine's fan wires to the relay kit terminal strip posts marked: No. 1 Ice Machine.
4. Route the connecting wires from the second machine's fan wires to the relay kit terminal strip posts marked: No. 2 Ice Machine.
5. Attach wires at the fan relay kit terminal strip marked: To Remote Fan, and route them to the remote condenser electrical connection.
6. Make the proper electrical connection at the junction box.

Conform to all applicable codes.



KCMR230 RELAY BOX

Phasing: To be certain that a reliable installation of the KCMR230 kit has been accomplished, a check of the electrical phasing is required.

The goal is to have each set of points in the relay “break” the one power “leg” - so there is no voltage potential when switching.

Note: 3 phase machines must have the same “leg” or line connected to L3 on BOTH ice machines contactors, and if there is a “wild leg” it must be connected to L3 on BOTH ice machines.

A. Before initial start up. Compare the illustration of the KCMR230 terminal strip to the connections at the KCMR230:

- Terminals 1 and 3 must be connected to a common leg (such as L1).
- Terminals 2 and 4 must be connected to a common leg (such as L2).

B. After initial start up, test with a volt meter (compressors must be ON).

1. Switch on ice maker #1, then ice maker #2.
2. Test with a volt meter between terminals #2 and #4, then between terminals #1 and #3.

List the voltages and compare to the table:

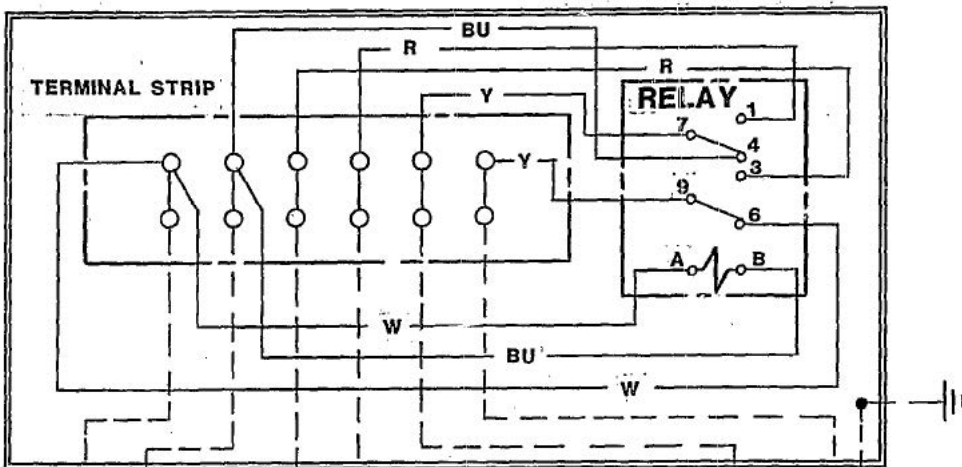
Test Terminals	Voltage Should Be	Tested Voltage Was:
1-2	Full	
1-3	No voltage	
2-3	Full	
2-4	No voltage	
3-4	Full	
1-4	Full	

If there is full voltage where there should be NO or little voltage:

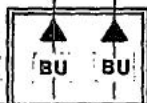
- Switch off ice maker number 2, and then switch off ice maker number 1.
- After the compressors have shut off, disconnect the electrical power. Do all wiring with the electrical power disconnected to BOTH ice makers at the source.
- Reverse the connections at the KCMR230 terminal strip marked ice maker #1 (put the wire that was on terminal 1 on 2 and the wire that was on terminal 2 on 1).
- Reconnect electrical power.

**THIS UNIT MUST
BE GROUNDED**

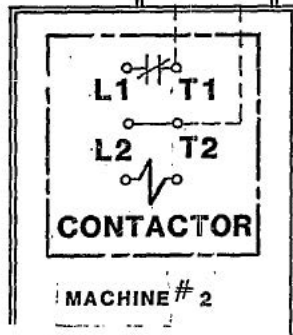
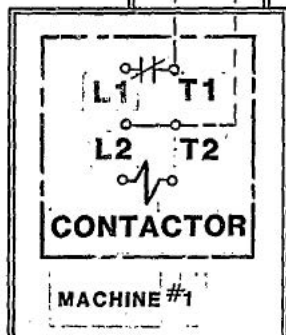
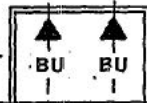
KCMR CONTROL BOX



**JUNCTION BOX
ON REAR PANEL**



**JUNCTION BOX
ON REAR PANEL**



**MOTOR
REMOTE FAN**



**THIS DIAGRAM SHOWN WITH
BOTH ICE MACHINES ENERGIZED.**

CAUTION:

BOTH MACHINES MUST HAVE SAME VOLTAGE RATING

A30774-001