

Manual Emergency Mode Operation

In the event of an emergency situation where a failure of the controller occurs, a manual emergency mode function can be used to operate the unit. However, the unit must be manually cycled on and off using the unit 460/380V main circuit breaker. This is because manual control disconnects both the controller and **UNIT ON/OFF** switch from the main relay board. Manual control offers a selection of six operating positions:

Position 1: Not Use:

Position 2: Cool: Continuous cooling with condenser fan in operation, compressor in operation, vapor injection in operation, and evaporator fan high in operation.

Position 3: Not Used

Position 4: Not Used

Position 5: Defrost: Heaters are activated (evaporator fans off).

Position 6: Evaporator Fan: Evaporator fans operate at high speed to introduce fan motor heat only into the container (no electric heater operation).



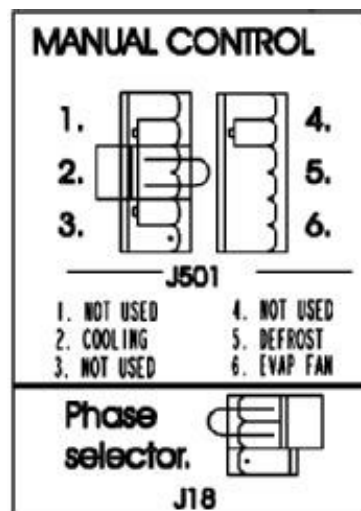
CAUTION: The unit must be cycled on and off manually to maintain the desired temperature. Use the 460/380V main circuit breaker to start and stop the unit. Monitor container temperature with an external thermometer.

To select Manual Control:

1. Turn the **UNIT ON/OFF** switch to **OFF**.
2. Turn the unit 460/380V main circuit breaker off. Then disconnect the unit power cord from the power supply.



WARNING: The unit will automatically start and operate if 460/380V power is present at the main relay board when the controller is disconnected. To prevent personal injury from rotating machinery or dangerous electrical shock from high voltage controls, disconnect the supply power to the unit before preparing the unit for manual emergency mode operation.



AJA1843

Figure 44: Manual Emergency Control Connections

3. Disconnect cable No. 2 from the controller and main relay board (see electrical schematic). The main relay board will now control the unit based on the manual control setting.

NOTE: *MUST check 2-pin plug location on J501 connections of main relay board to ensure correct unit operation.*

4. If necessary, remove 2-pin plug from J501 (see decal on main relay board) and relocate based on the unit operating mode required.
5. Connect the unit power cord to the proper power supply.
6. Start the unit by turning the unit 460/380V main circuit breaker on.

NOTE: *On MAGNUM units, both the 460/380V main circuit breaker and the Unit On/Off switch must be used to cycle the unit on and off. The Unit On/Off switch must be On to operate the scroll compressor.*

7. Check for correct rotation of condenser fan. Condenser air should be blowing out from the center of the grille. If the fan is running backwards, power supply phase must be changed.