

Replacement Instructions

PRO³ Electronic Temperature Controller-Cooler Models

Included Parts:

<u>Description</u>	<u>Qty</u>
Defrost Sensor	1
Control Knob	1
Graduated Label	1
Temperature Control Module	1
Plastic Ties	4

Disassembly

1. Disconnect the electrical supply to the unit cooler.
2. On outdoor models, remove the weatherhood covering the top of the unit.
3. Remove the vented panel covering the condenser section
4. Remove the insulated panel covering the top of the evaporator section.
5. Disconnect the three electrical wires from the temperature controller terminals. Disconnect the room sensor from the thermostat for re-use (See Figure 3). The defrost sensor can be left connected.
6. Inside the evaporator section, locate the existing room sensor and defrost sensor. The room sensor is located at the bottom of the coil on the inlet side and **is to be reused**. The defrost sensor is located between the fins of the coil. The fan blade closest to these wires will need to be removed. **Before removing the blade, mark the orientation and the position of the blade on the motor shaft. It is important that the blade is reinstalled in the original mounting position**
7. Note the position of the sensors and the routing of the wires. Cut the plastic ties holding the defrost sensor in position and remove it from the evaporator section.
8. Remove the control knob and retaining nut from the temperature controller. The controller and sensor can now be removed from the unit.

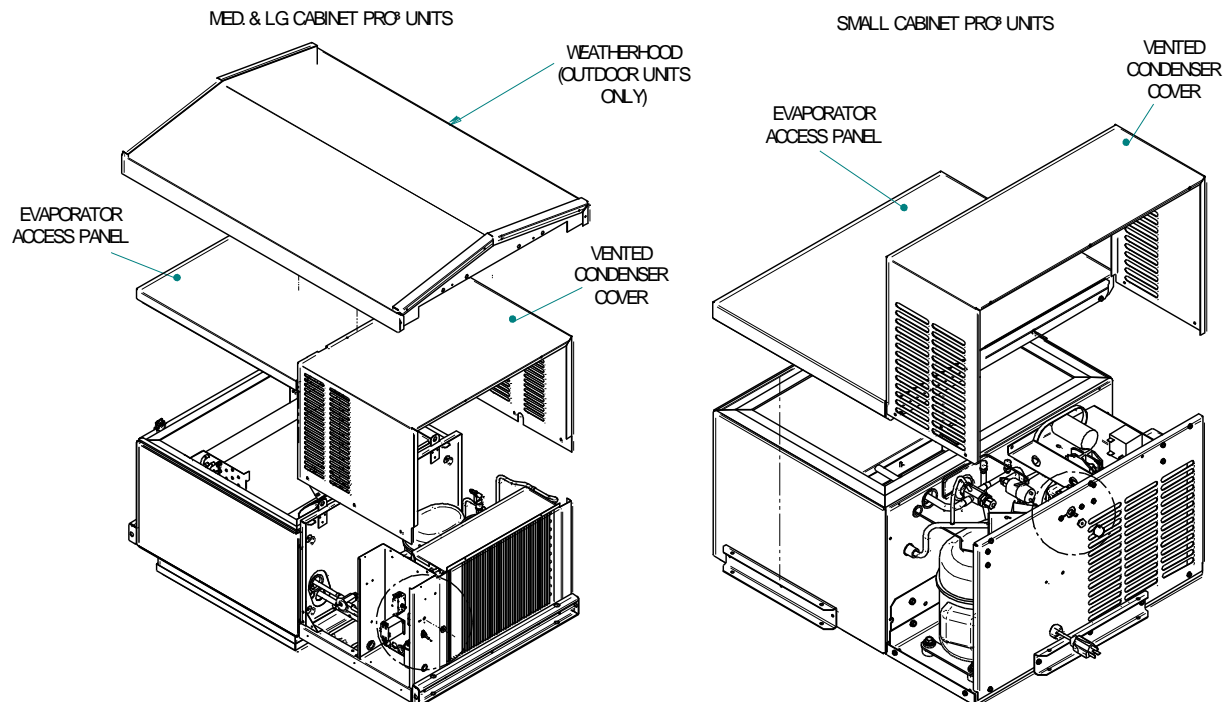


Figure 1.

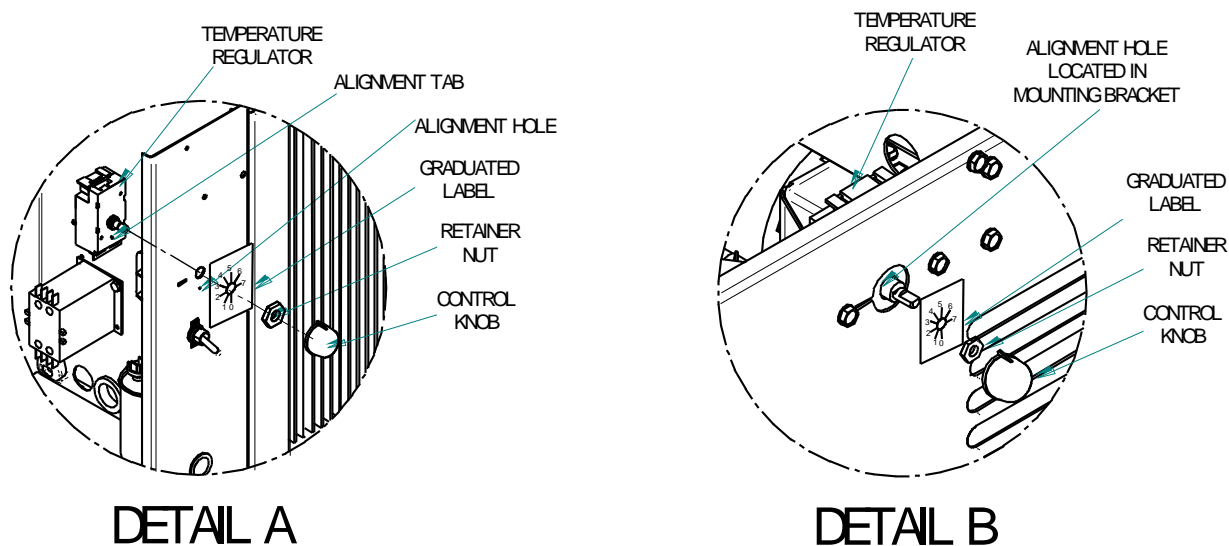


Figure 2.

Installation

1. Locate the graduated label included with this kit. Position the label such that the “0” on the label is aligned with the alignment hole in the cabinet. This will ensure that the pointer on the control knob will read “0” when the controller is in the off position. Attach label to unit. Note: On small cabinet units, the alignment hole is in the mounting bracket and should be visible from inside the cabinet.
2. Remove the retaining nut from the knob shaft and insert the shaft of the new controller through the mounting hole. Be sure to insert the controller’s alignment tab through the alignment hole in the cabinet. Tighten the retainer nut onto the control knob shaft.
3. Install control knob. Be sure the knob set screw is positioned over the flat of the shaft before tightening.
4. Locate the new defrost sensor. The defrost sensor can be identified by two blue stripes at the end of the sensor near the sensing bulb. Route the new sensor back into the evaporator section of the unit. Secure the new sensor in the original location using the plastic ties supplied with this kit. (Defrost sensor is positioned in the coil.)
5. Reinstall the evaporator fan blade onto the motor shaft. Be sure the blade is correctly oriented and properly positioned on the shaft.
6. Connect defrost and room sensors to the temperature controller. Controller will not function properly if the sensors are connected incorrectly. Refer to Figure 3 below.
7. Wire the new controller to the compressor contactor. Note that the new controller may be wired differently than your existing control. Refer to Figure 3 below.
8. Install the access cover onto the evaporator section.
9. Install the vented cover over the condenser section.
10. Install weatherhood. (Outdoor models only)
11. Set thermostat to desired setting.
12. Reconnect Electrical Supply and ensure unit is working properly.

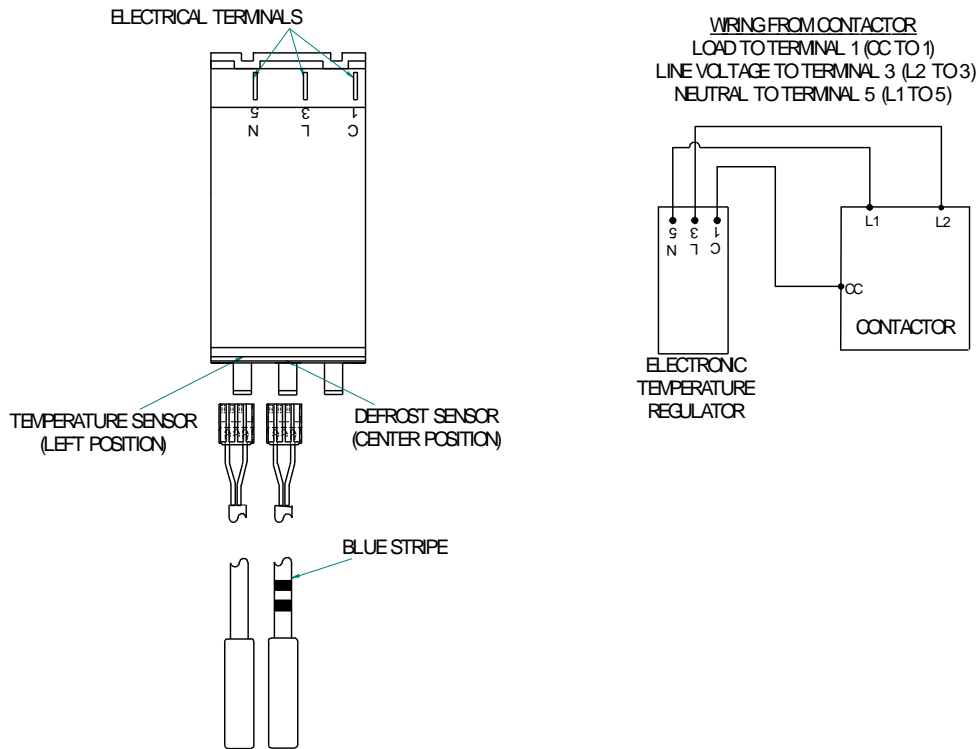


Figure 3.

***New room temperature sensor is not provided. Existing room temperature sensor is to be reused.**

For additional information please contact the Heatcraft Service Department at 1-800-321-1881.

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