

# REPAIR PART KIT INSTALLATION INSTRUCTIONS

## REPLACEMENT DEMAND DEFROST CONTROL BOARD – S1-33101975102 FOR USE WITH MODELS: 12, 13 & 14 SEER HEAT PUMPS

### INSTALLATION

1. Power off unit totally - 240V & 24V.
2. Carefully record positions and colors of wiring removed.
3. Remove old defrost circuit board.
4. Install replacement circuit board - utilizing same placement, mounting & screws.
5. Refer to unit Installation Manual or Table 1 below - and set the Demand Defrost Curve Selection Jumper to the proper position. For the new jumper setting to take effect - all 24V power to the board must be removed and reapplied.
6. Complete the installation and power up the unit, re-applying both 240V & 24V.

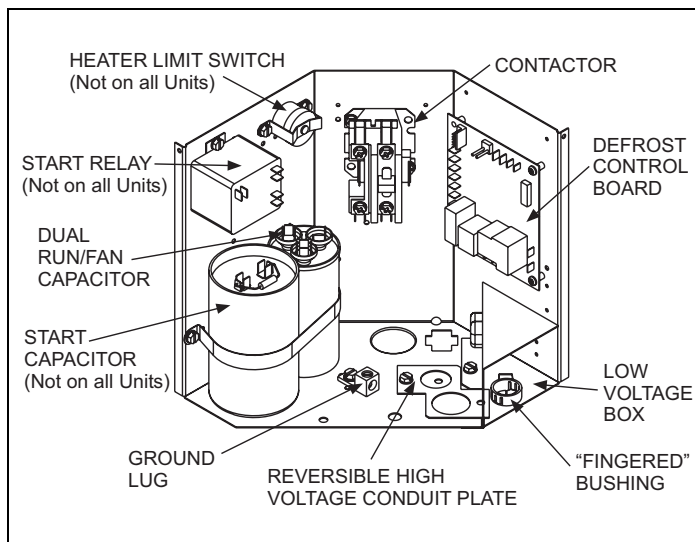


FIGURE 1: Outdoor Unit Control Box

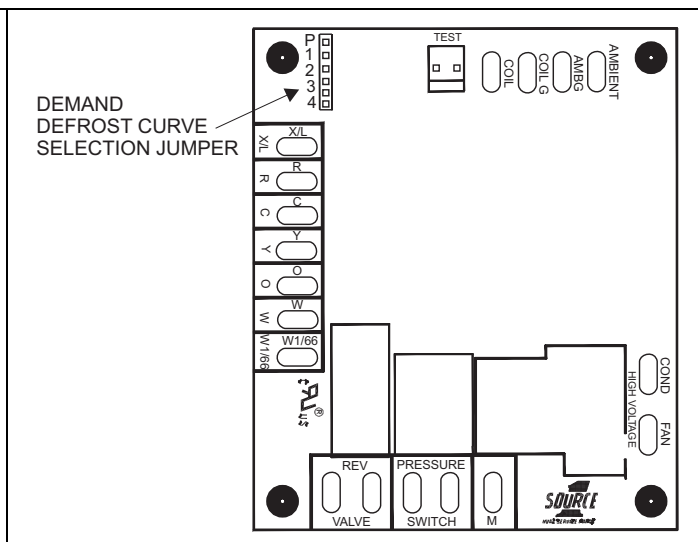


FIGURE 2: Demand Defrost Control Module

### DEFROST CURVE SELECTION

When the control board is replaced, the jumper **MUST** be placed in a numbered position. Select the proper jumper position from Table 1. **If the jumper is missing or in the P position, the replacement control will not energize the compressor.**

When the jumper position is changed, the control will not act upon the jumper changes until the thermostat calls are de-energized or power (24 VAC) to the control is cycled.

TABLE 1: Defrost Initiate Curves

Defrost Curve Selection Jumper Position	1	2	3	4
14 Seer	2, 3, 4 Ton	2.5, 3.5 Ton	None	None
All Other Models	All	None	None	None

The control will display the active defrost curve using the X/L terminal when the heat pump is operating in a defrost cycle that has been forced using the TEST inputs. For instance, the X/L output will be energized with two flashes when defrost curve 2 is active. The control only reads the jumper input when the Y and W thermostat inputs are de-energized.