Power Pak Start-up – 4400 Series Power Paks

Use only Perlick Approved Coolant Solution, #63299-1, all other solutions and mixtures will void the Perlick warranty. The Coolant Solution has been pre-mixed for optimum performance and wear protection. The Power Pak reservoir holds approximately 1.75 gallons of solution. It takes approximately 1 gallon of Coolant Solution to fill every 60 feet of Perlick Trunk Housing.

- Never operate the circulating pump without coolant in the reservoir.
- Fill Power Pak reservoir with Perlick Coolant Solution.
- Turn condensing unit switch and pump switch to the ON position. Coolant solution level will begin to drop in reservoir.
- Continue adding Perlick Coolant Solution until no air bubbles are apparent from the Coolant return line.
  NOTE: Never allow for the Coolant level in the reservoir to drop below the heat exchanger tube inlet. Allowing the level to drop below the inlet will allow air bubbles into the lines.
- Fill Power Pak reservoir until both the return line fitting port and the overflow tube port are submersed under Coolant Solution. Watch return line fitting port for additional air bubbles as this may signify additional Coolant Solution may need to be added.
- Thoroughly check all field connection points for leaks.
- Monitor Power Pak Temperature read-out to ensure Power Pak is working properly. Dependent on length of trunk housing run and surrounding ambient conditions, these factors will determine how long it takes for the Power Pak to cut-out on the temperature control. The control is factory programmed to cut-out at 28˚F with a hysteresis of 4˚F. The control has also been programmed to prevent short cycling and requires one minute of off time before it will restart.

Digital Temperature Controller

The 4400 Series Power Pak comes equipped with a Factory Programmed Electronic Thermostat with Display. The Thermostat has numerous factory settings, which should never be adjusted or tampered with to ensure proper operation of the Power Pak. The Thermostat has been factory programmed to cut-out at 28˚F with a hysteresis/differential of 4˚F.

Front Panel Commands— Normal Operation

SET:
To display target set point.
DEFROST:
To start a manual defrost. (This feature is available, however, the parameters for actuation are programmed, such that, no defrost is available).
UP ARROW:
To see the maximum stored temperature.
DOWN ARROW:
To see the minimum stored temperature.

Front Panel Commands— Programming Mode

SET:
Selects a parameter or confirms an operation.
UP ARROW:
Browses the parameter codes or increases the displayed value.
DOWN ARROW:
Browses the parameter codes or decreases the displayed value.