

INSTALLATION INSTRUCTION

PUMPDOWN ACCESSORY MODEL 2PD04700224

Supersedes: Nothing

550.23-N6.2V (1091)

035-09253

FOR 15 TON SPLIT-SYSTEM AIR-COOLED AIR CONDITIONERS MODELS H1CE180 AND HAHB180

GENERAL

This accessory provides non-recycling pumpdown control. It should be applied on units that may be required to operate at light load conditions. Under these conditions, the unit has a tendency to operate for a short period of time which may not allow enough time for oil to return to the compressor. This kit allows the compressor to pump the charge from the low to the high pressure side of the system at the end of each cycle, thus assuring oil return. The accessory includes the following items:

ITEM	QUAN.	PART NO.	DESCRIPTION
1	1	025-29051-000	Solenoid Valve (2-SOL)
2	1	024-24103-000	Control Relay (PR)
3	4	025-08289-000	Wire Nuts
4	1	035-09253-000	Installation Instruction (Form 550.23-N6.2V)

INSTALLATION

1. Disconnect electrical power to the unit.
2. Remove unit control box access panel.
3. Install the pumpdown relay (PR) in the unit control box. Mounting holes are pre-punched in the control panel at the position marked PR as shown on the unit wiring label.
4. Install the relay harness plug (P3) into the socket (S3) that hangs loose inside the unit control box. The brown and

yellow wire pigtails on plug (P3) will be connected as indicated in Step 6.

5. Install the solenoid valve (2-SOL) (including a conduit box) in the liquid line close to the indoor unit evaporator coil. Use industry accepted practices for brazing, evacuation and charging the unit. Refer to the respective unit installation instructions for additional information.
6. Connect the two wire pigtails from the plug (P3) (in Step 4) to the two wire pigtails in the 2-SOL conduit box by using field-supplied wire and the wire connectors provided in this kit. (A minimum of 18 AWG wire is recommended.)

NOTE: Wire in accordance with National Electrical Code (NEC), Canadian Electrical Code (CEC) or local codes for a Class II low-voltage circuit.

7. Route the wires described in Step 6 through the control wire opening in the small panel below the unit control box. Secure wires to the liquid line with field-supplied cable ties or equivalent.
8. Secure wiring in the unit control box in a neat workmanlike manner using ty-wraps or equivalent.
9. Close unit control box, replace unit access panel and restore power to the unit.