

Florida Heat Pump 1.5 – 6 ton Easy Start Wiring

CAUTION: UNIT CONTAINS TWO POWER SUPPLIES – INSURE BOTH SUPPLIES ARE OFF BEFORE SERVICING.

STATUS LED/ALARM BLINK CODES	
1	HIGH PRESSURE FAULT
2	LOW PRESSURE FAULT
3	FREEZE SENSOR FAULT
4	CONDENSATE FAULT
5	BROWN OUT FAULT

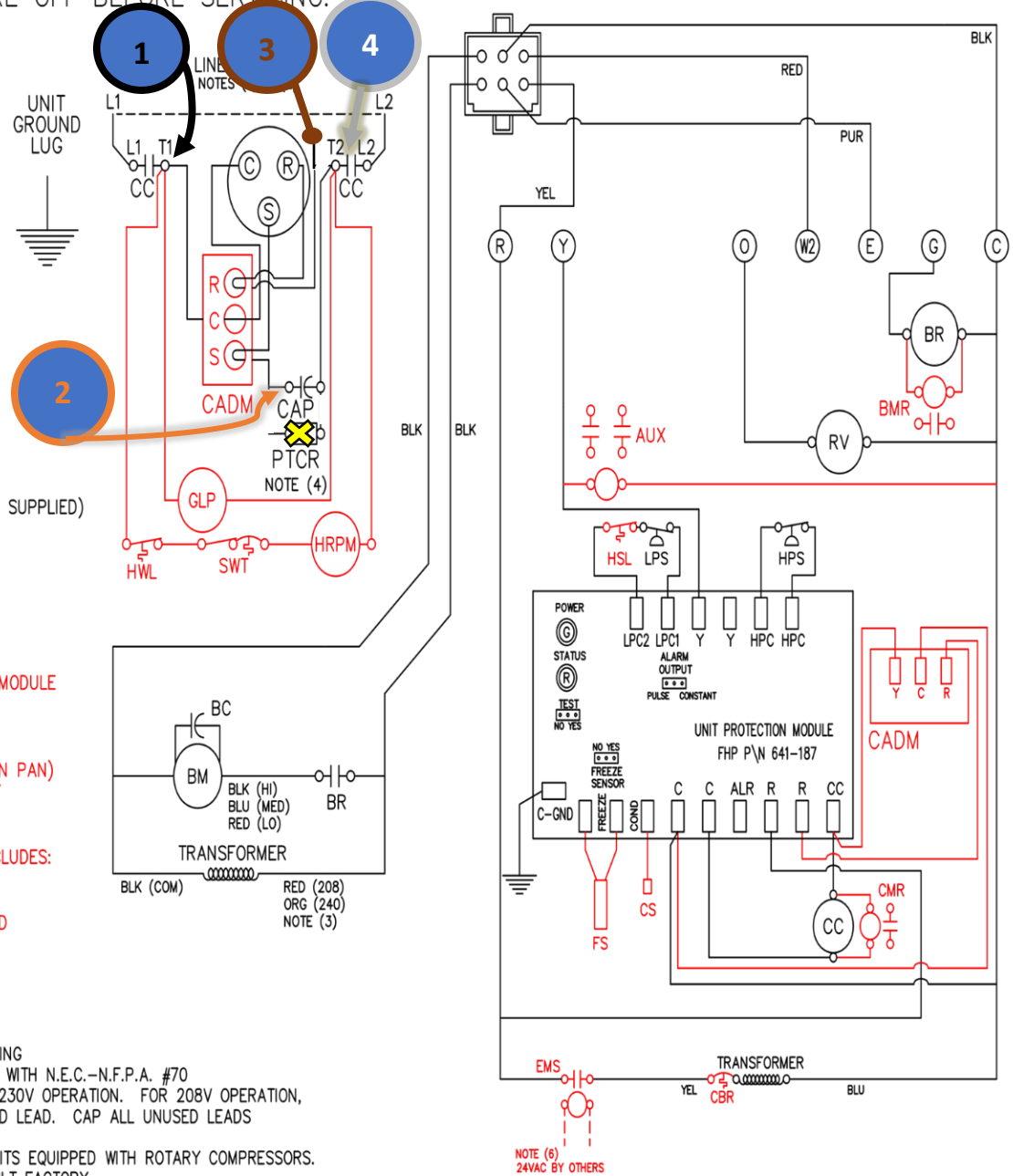
FACTORY WIRE —————
FIELD WIRE - - - - -

- STANDARD COMPONENTS LEGEND:
- BC - BLOWER MOTOR CAPACITOR
 - BM - BLOWER MOTOR
 - BR - BLOWER RELAY
 - CAP - COMPRESSOR CAPACITOR
 - CC - COMPRESSOR CONTACTOR
 - EOVD - EXTERNAL OVERLOAD (NOTE 5)
 - HPS - HIGH PRESSURE SWITCH
 - LPS - LOW PRESSURE SWITCH
 - PTCR - POS TEMP COEFF RESISTOR (WHEN SUPPLIED)
 - RV - REVERSING VLV (HEAT PUMPS)

- OPTIONAL COMPONENTS LEGEND:
- [] AUX - AUXILLIARY RELAY (FOR LOOP PUMP, ETC.)
 - [] BMR - BLOWER MONITOR RELAY
 - [] CADM - COMFORT ALERT DIAGNOSTICS MODULE
 - [] CBR - 24V CRCT BRKR (75VA ONLY)
 - [] CMFR - COMPR MALFUNCTION RELAY
 - [] CMR - COMPR MONITOR RELAY
 - [] CS - CONDENSATE SENSOR (IN DRAIN PAN)
 - [] EMS - ENERGY MGMT SYSTEM RELAY
 - [] FS - FREEZE SENSOR
 - [] GLP - GROUND LOOP PUMP
 - [] HRP - HEAT RECOVERY PACKAGE, INCLUDES:
 - HRPM - HEAT RECOVERY PUMP MOTOR
 - HWL - HOT WATER LIMIT (140 DEG)
 - SWT - ON/OFF SWITCH AND OVERLOAD

- NOTES:
1. SEE UNIT NAME PLATE FOR ELECTRICAL RATING
 2. ALL FIELD WIRING MUST BE IN ACCORDANCE WITH N.E.C.-N.F.P.A. #70
 3. 208/230V UNITS ARE FACTORY WIRED FOR 230V OPERATION. FOR 208V OPERATION, REMOVE ORG LEAD AND REPLACE WITH RED LEAD. CAP ALL UNUSED LEADS
 4. PTCR IS STANDARD ON SELECT UNITS.
 5. EXTERNAL OVERLOAD STANDARD ON ALL UNITS EQUIPPED WITH ROTARY COMPRESSORS.
 6. FOR ALTERNATE EMS COIL VOLTAGES CONSULT FACTORY.
 7. UPM-1 INCLUDES BUILT IN: 30-60 SECOND RANDOM START
5 MINUTE DELAY ON BREAK
90 SECOND LOW PRESSURE BYPASS
 8. "TEST" JUMPER PIN REDUCES DELAYS TO 5 SEC WHEN SET TO YES.
 9. "FREEZE SENSOR" JUMPER PIN MUST BE SET TO NO IF FREEZE SENSOR IS NOT INSTALLED.
 10. "ALARM OUTPUT" JUMPER PIN MUST BE SET TO PULSE IF BLINKING T-STAT SERVICE LIGHT IS DESIRED.

HEATER PACKAGE WIRE HARNESS CONNECTED TO ELECTRIC HEATER CONTROL BOX



1 STAGE - 208/230V - DIRECT DRIVE MOTOR 1-1/2 THROUGH 6 TONS WITH ELECTRIC HEAT UPM-1			
DWG NO.	DRAWN BY	DATE	REV
GT111030	RKS	9-26-06	0

Notes: A. If installed, the existing PTCR & wires must be removed. B. If the optional CADM is installed, it must be first set up according to the directions in the Residential Installation Manual on page 4

1) Connect the Easy Start Black wire at the contactor T1 position with the existing compressor common (C) black wire

2) Connect the Easy Start Orange wire with the existing blue compressor start (S) wire at the run capacitor

3) Remove the compressor run (R) red wire at contactor T2 & splice it into the Easy Start Brown wire

4) Where you just removed the (R) red wire at contactor T2 in the previous step, connect the Easy Start White wire