

Wiring Diagrams

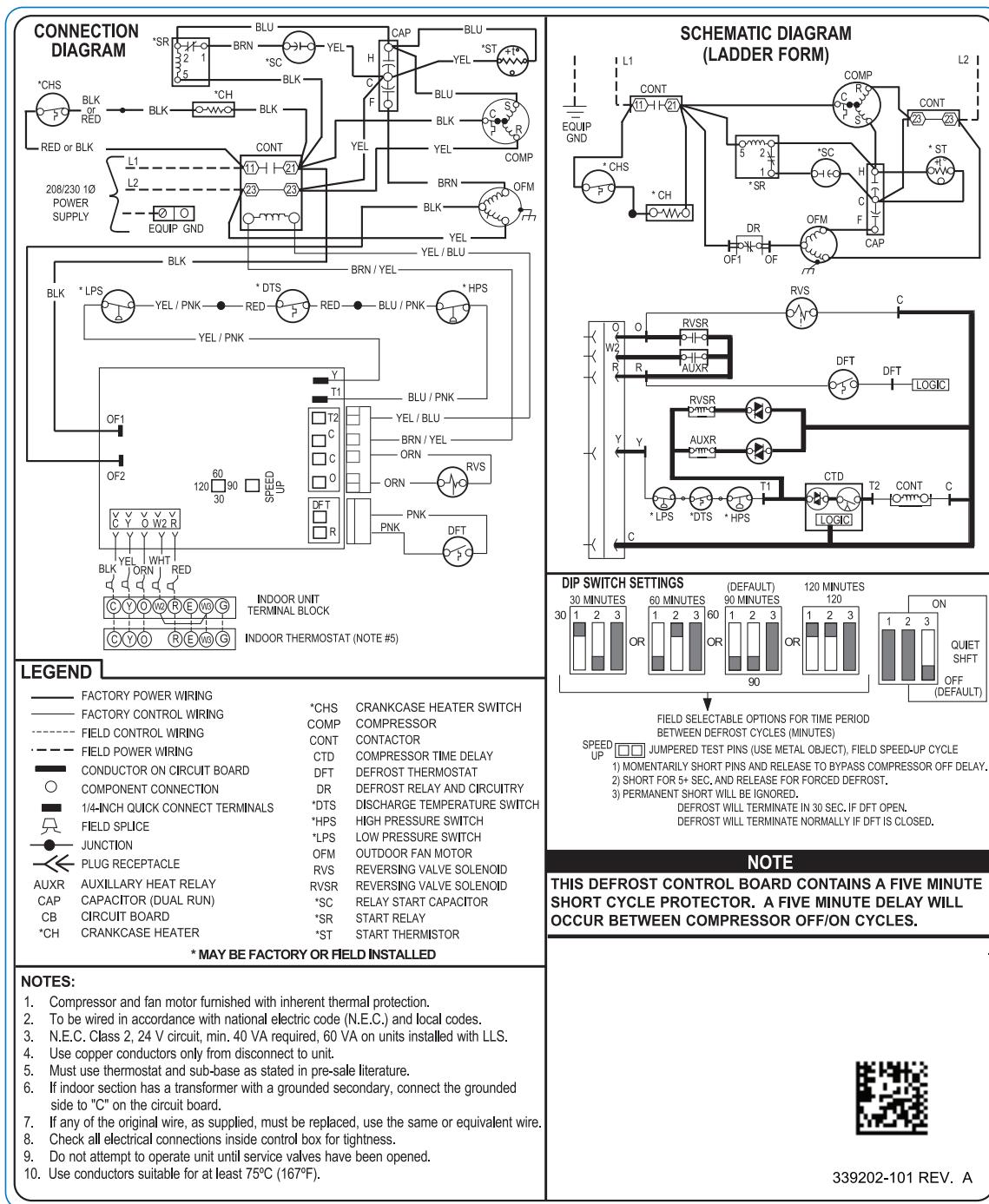
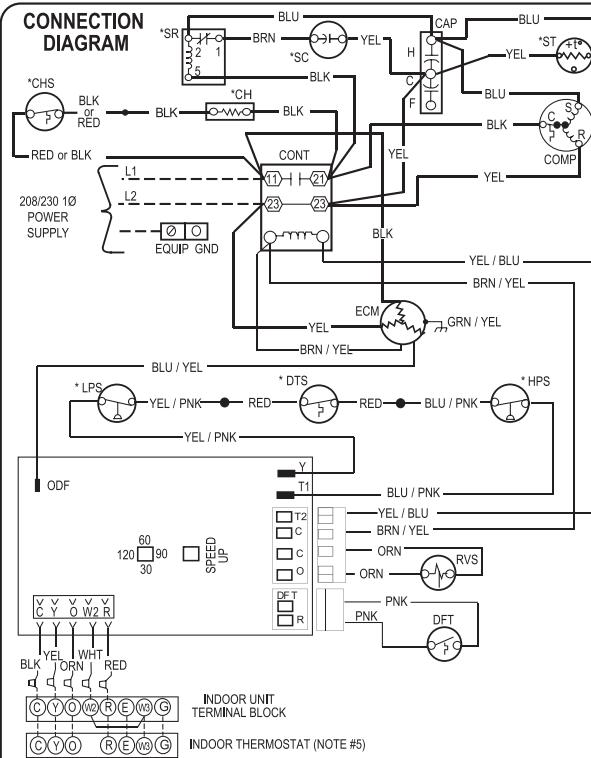
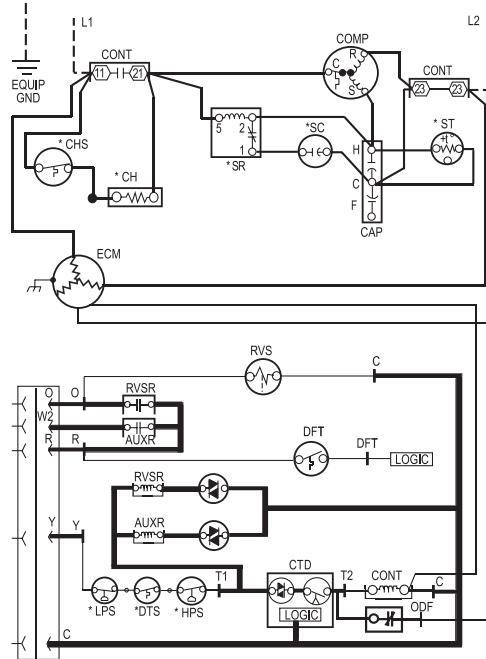


Fig. 1 – Wiring Diagram — 225BNA018 - 60 - 208/230-1





SCHEMATIC DIAGRAM (LADDER FORM)



LEGEND

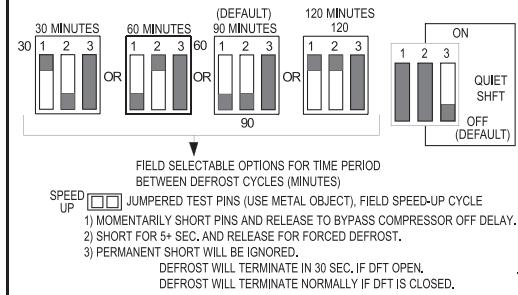
— FACTORY POWER WIRING	*CH CRANKCASE HEATER
— FACTORY CONTROL WIRING	*CHS CRANKCASE HEATER SWITCH
- - - FIELD CONTROL WIRING	COMP COMPRESSOR
- - - FIELD POWER WIRING	CONT CONTACTOR
— CONDUCTOR ON CIRCUIT BOARD	CTD COMPRESSOR TIME DELAY
○ COMPONENT CONNECTION	DFT DEFROST THERMOSTAT
— 1/4-INCH QUICK CONNECT TERMINALS	DR DEFROST RELAY
— FIELD SPLICE	*DTS DISCHARGE TEMPERATURE SWITCH
● JUNCTION	*HPS HIGH PRESSURE SWITCH
— PLUG RECEPTACLE	*LPS LOW PRESSURE SWITCH
AUXR AUXILIARY HEAT RELAY	RVS REVERSING VALVE SOLENOID
CAP CAPACITOR (DUAL RUN)	RVSR REVERSING VALVE SOLENOID
CB CIRCUIT BOARD	*SC RELAY START CAPACITOR
	*SR START RELAY
	*ST START THERMISTOR
	ECM ELECTRONICALLY COMMUTATED MOTOR

* MAY BE FACTORY OR FIELD INSTALLED

NOTES:

1. Compressor and fan motor furnished with inherent thermal protection.
2. To be wired in accordance with national electric code (N.E.C.) and local codes.
3. N.E.C. Class 2, 24 V circuit, min. 40 VA required, 60 VA on units installed with LLS.
4. Use copper conductors only from disconnect to unit.
5. Must use thermostat and sub-base as stated in pre-sale literature.
6. If indoor section has a transformer with a grounded secondary, connect the grounded side to "C" on the circuit board.
7. If any of the original wire, as supplied, must be replaced, use the same or equivalent wire.
8. Check all electrical connections inside control box for tightness.
9. Do not attempt to operate unit until service valves have been opened.
10. Use conductors suitable for at least 75°C (167°F).

DIP SWITCH SETTINGS



NOTE
THIS DEFROST CONTROL BOARD CONTAINS A FIVE MINUTE SHORT CYCLE PROTECTOR. A FIVE MINUTE DELAY WILL OCCUR BETWEEN COMPRESSOR OFF/ON CYCLES.



343064-101 REV. A

Fig. 2 – Wiring Diagram — 225BNA061 - 208/230-1