



Wiring Diagrams

INDEX

UNIT	TYPE	VOLTAGE (1 Ph-60 Hz)	FIGURE NO.	LABEL DIAGRAM
Heat Pump Units				
52CQ, PQ	AA,CP	208/230, 265	1	52CQ501184
	RC,RP	208/230, 265	2	52CQ501204
Heat/Cool Units				
52CE, PE	AA,CP	208/230, 265	3	52CQ501184
	RC,RP	208/230, 265	4	52CQ501204
Cooling Only Units				
52PC	AA,CP	208/230, 265	5	52CQ501184
	RC,RP	265	6	52CQ501514
ITEM		PART NO.	FIGURE NO.	LABEL DIAGRAM
Accessory				
Energy Management (EM) Kit		EM-KIT	7	52CQ501512

LEGEND

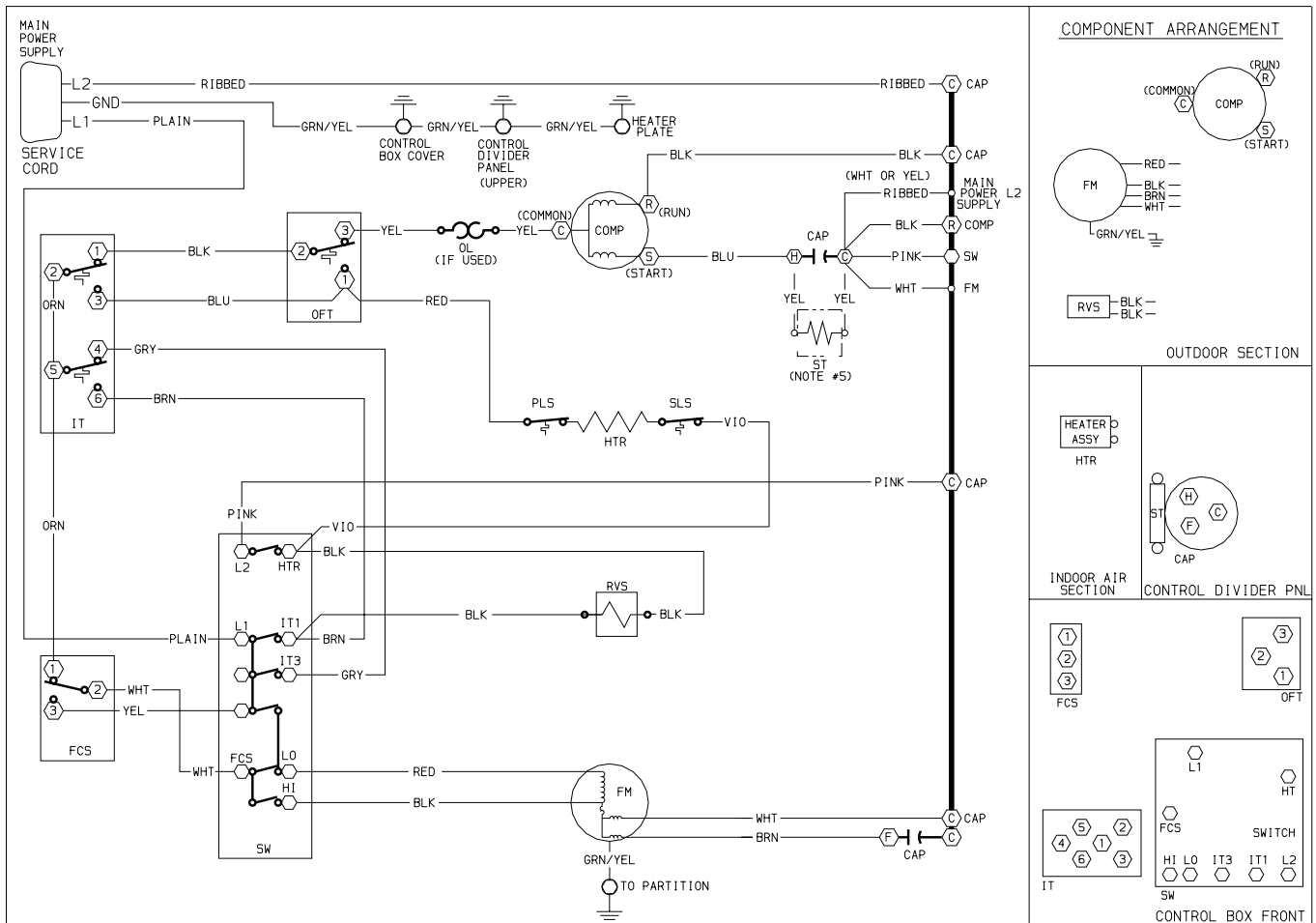
- AA — Standard Chassis
- CP — Corrosion Protection
- RC — Wall Thermostat Control (Standard Chassis)
- RP — Wall Thermostat Control (with Corrosion Protection)

LEGEND

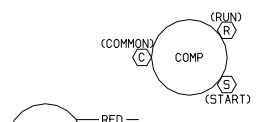
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|--|--|
| <ul style="list-style-type: none"> CAP — Capacitor COMP — Compressor Motor CON — (2) Circuit Plug Cap CR — Compressor Relay FCS — Fan Cycle Switch FGT — Freeze Guard Thermostat FM — Fan Motor FR — Fan Relay GND — Ground HR1 — Heater Relay HR2 — Heater Relay HTR — Heater IFT — Indoor Frost Thermistor IT — Indoor Thermostat NEC — National Electrical Code OFT — Outdoor Frost Thermostat OL — Overload PCBD — Printed Circuit Board PLS — Primary Limit Switch PRI — Primary PR — Primary Relay RVR — Reversing Valve Relay RVS — Reversing Valve Solenoid | <ul style="list-style-type: none"> SEC — Secondary SLS — Secondary Limit Switch SSS — Speed Selector Switch ST — Start Thermistor SW — Switch TRANS — Transformer Component Connection (Marked) Component Connection (Unmarked) Terminal Board Connection Field Splice Splice (Marked) Terminal Connection — Male/Female Field Control Wiring Accessory or Optional Wiring Factory Wiring To indicate common potential only, not to represent wiring. |
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NOTES:

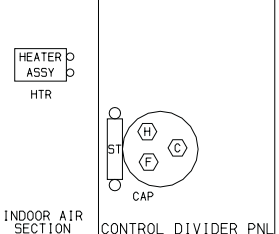
1. Recommended for use on grounded power supply only.
2. Compressor and fan motor thermally protected.
3. Use copper conductors only.
4. All wiring must conform with NEC and local codes.
5. Dashed lines indicate components when used.
6. Field control wire suitable for NEC class 2 control circuit, at 24 volts. (Fig. 2, 4, and 6)
7. Service cords are standard on all models. All 265-volt corded models will require a field-installed electrical subbase.



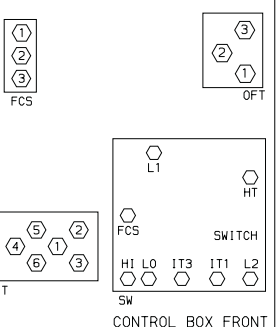
COMPONENT ARRANGEMENT



OUTDOOR SECTION



INDOOR AIR SECTION



POSITION	CONTACTS MADE
SELECTOR SWITCH	
OFF	NONE
FAN	L1 TO L0
LO HEAT	L1 TO IT1, FCS TO L0, L2 TO HTR
HI HEAT	L1 TO IT1, FCS TO HI, L2 TO HTR
LO COOL	L1 TO IT3, FCS TO L0
HI COOL	L1 TO IT3, FCS TO HI
FAN CYCLE SWITCH	
CYCLE	1 TO 2
CONSTANT	3 TO 2

Fig. 1 — 52CQ, PQ — 208/230-1-60 and 265-1-60 Standard Units

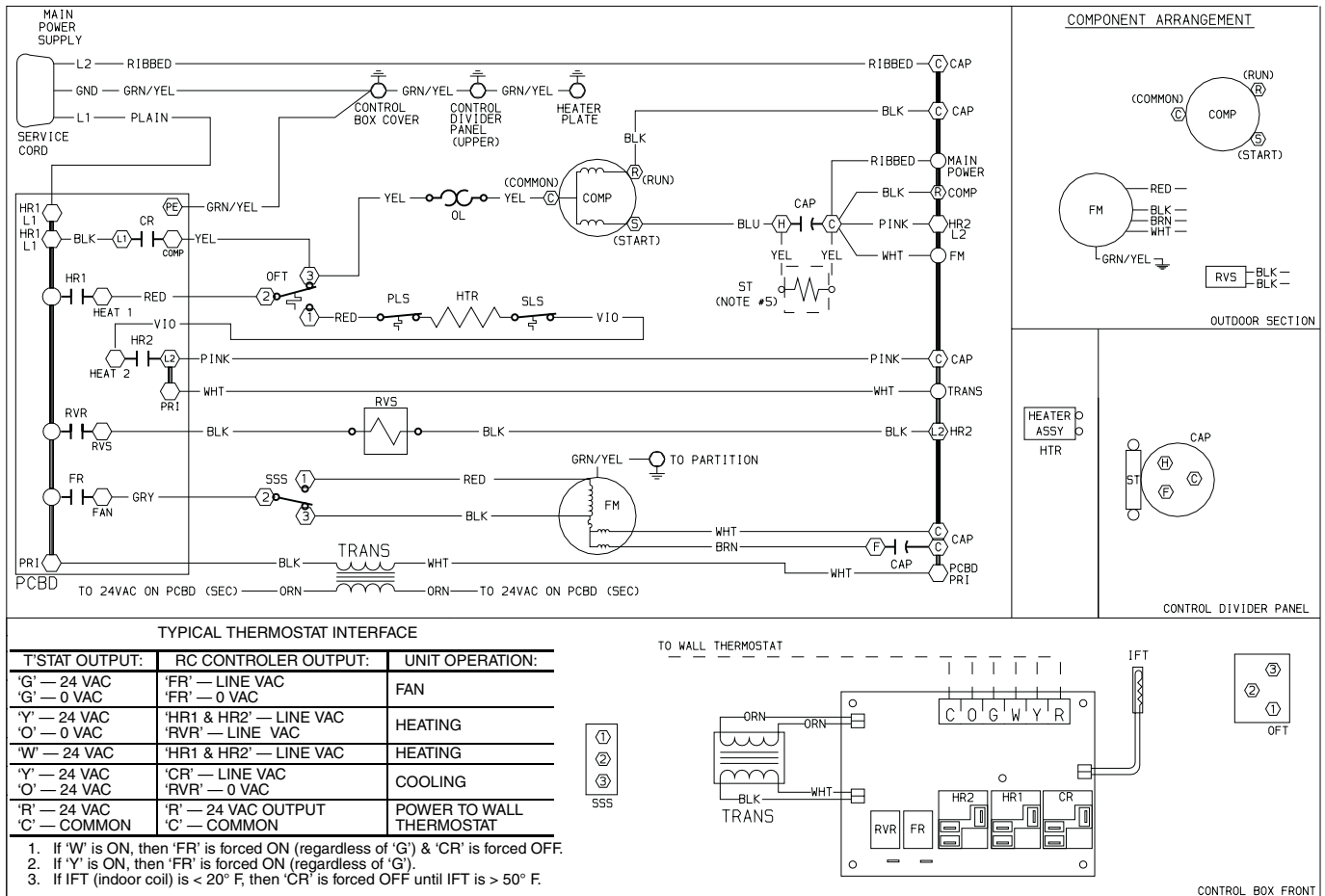


Fig. 2 — 52CQ, PQ — 208/230-1-60 and 265-1-60 Units with Wall Thermostat Control

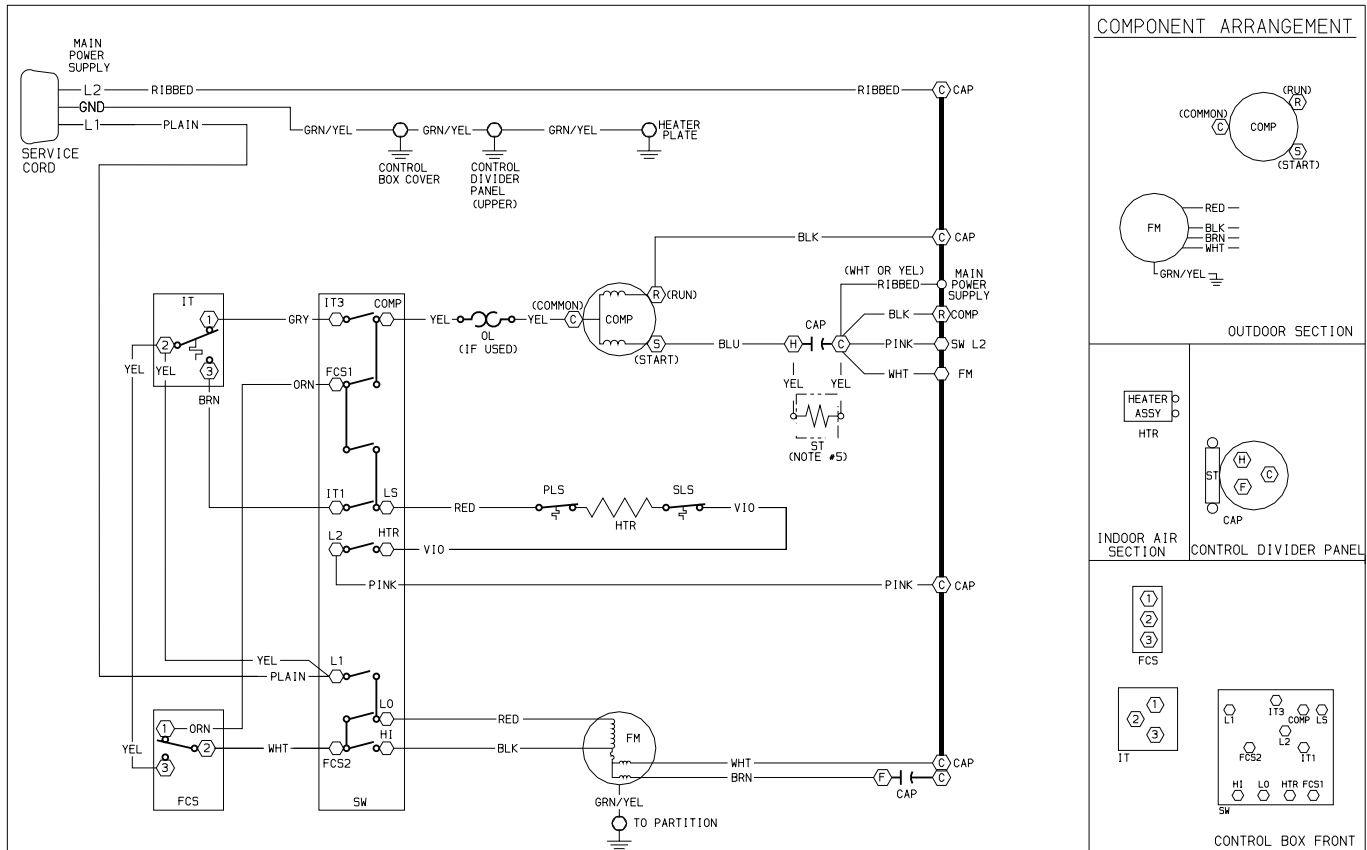


Fig. 3 — 52CE, PE — 208/230-1-60 and 265-1-60 Standard Units

POSITION	CONTACTS MADE
SELECTOR SWITCH	
OFF	NONE
FAN	L1 TO L0, FCS1 TO L5
LO HEAT	FCS2 TO L0, IT1 TO L5, L2 TO HTR, FCS1 TO L5
HI HEAT	FCS2 TO HI, IT1 TO L5, L2 TO HTR, FCS1 TO L5
LO COOL	FCS2 TO L0, COMP TO FCS1, COMP TO IT3
HI COOL	FCS2 TO HI, COMP TO FCS1, COMP TO IT3
FAN CYCLE SWITCH	
CYCLE	1 TO 2
CONTINUOUS	3 TO 2

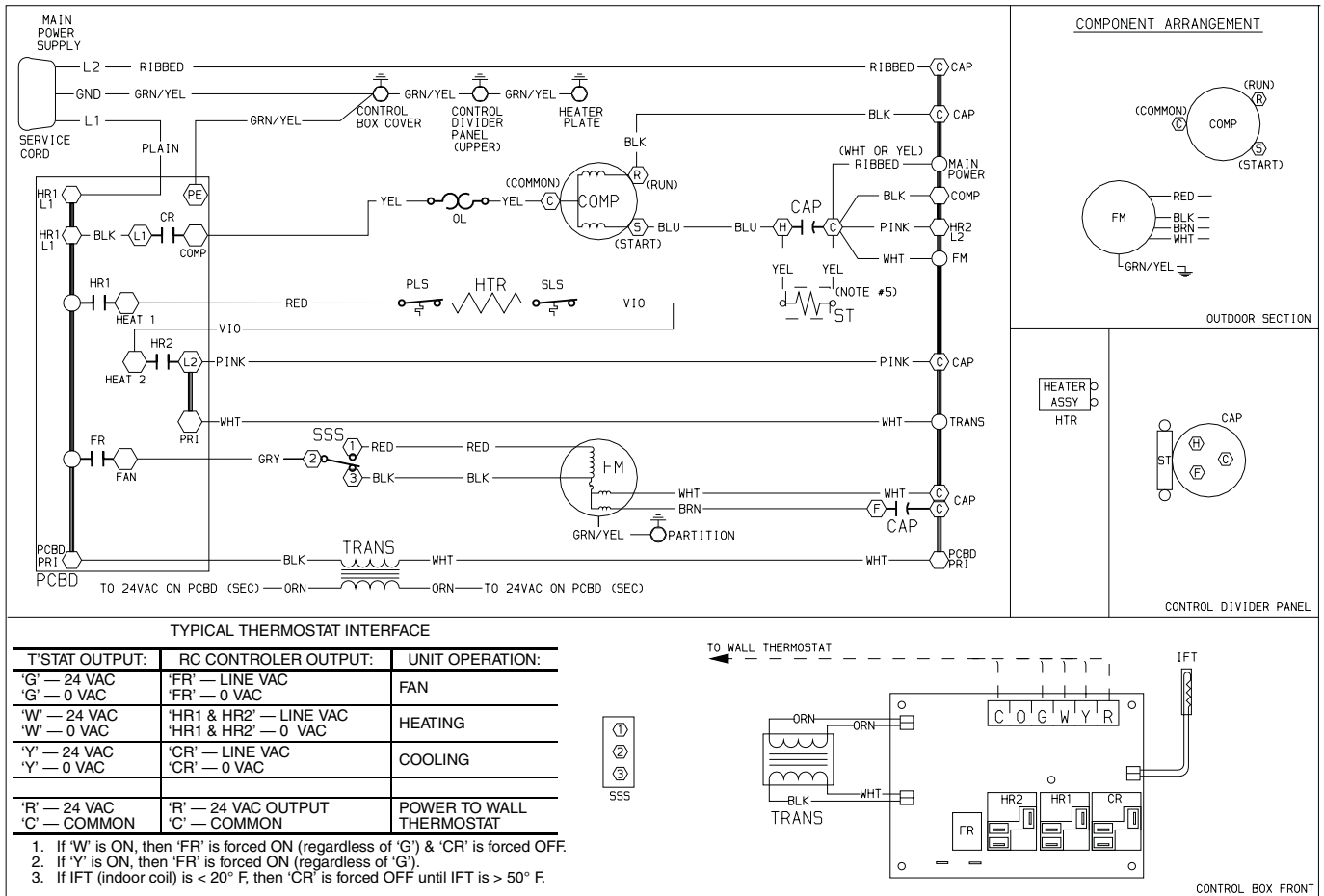


Fig. 4 — 52CE, PE — 208/230-1-60 and 265-1-60 Units with Wall Thermostat Control

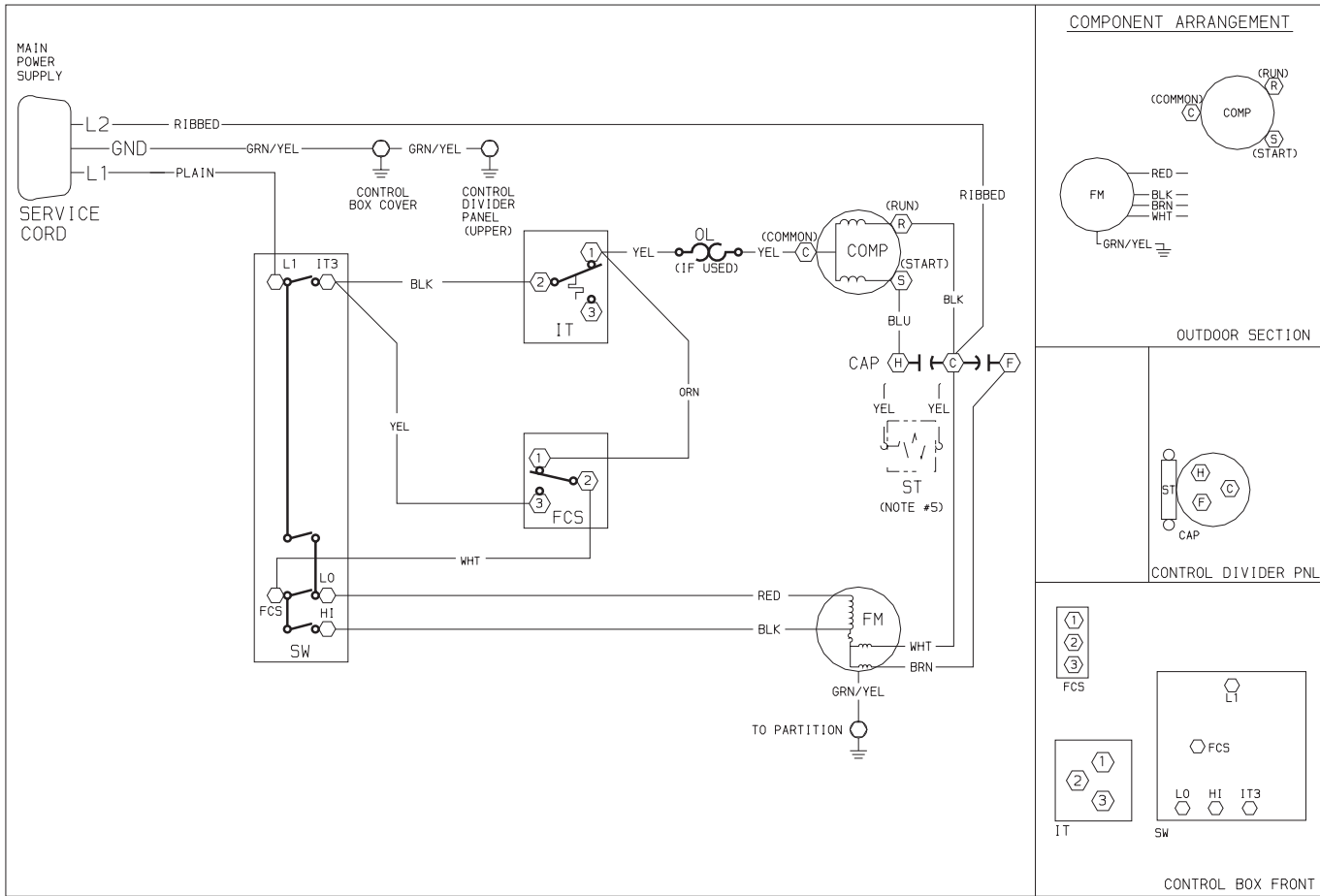


Fig. 5 — 52PC — 208/230-1-60 and 265-1-60 Cooling Only Units

POSITION	CONTACTS MADE
SELECTOR SWITCH	
OFF	NONE
LO FAN	L1 TO LO
HI FAN	L1 TO HI
LO COOL	L1 TO IT3, FCS TO LO
HI COOL	L1 TO IT3, FCS TO HI
FAN CYCLE SWITCH	
CYCLE	1 TO 2
CONSTANT	3 TO 2

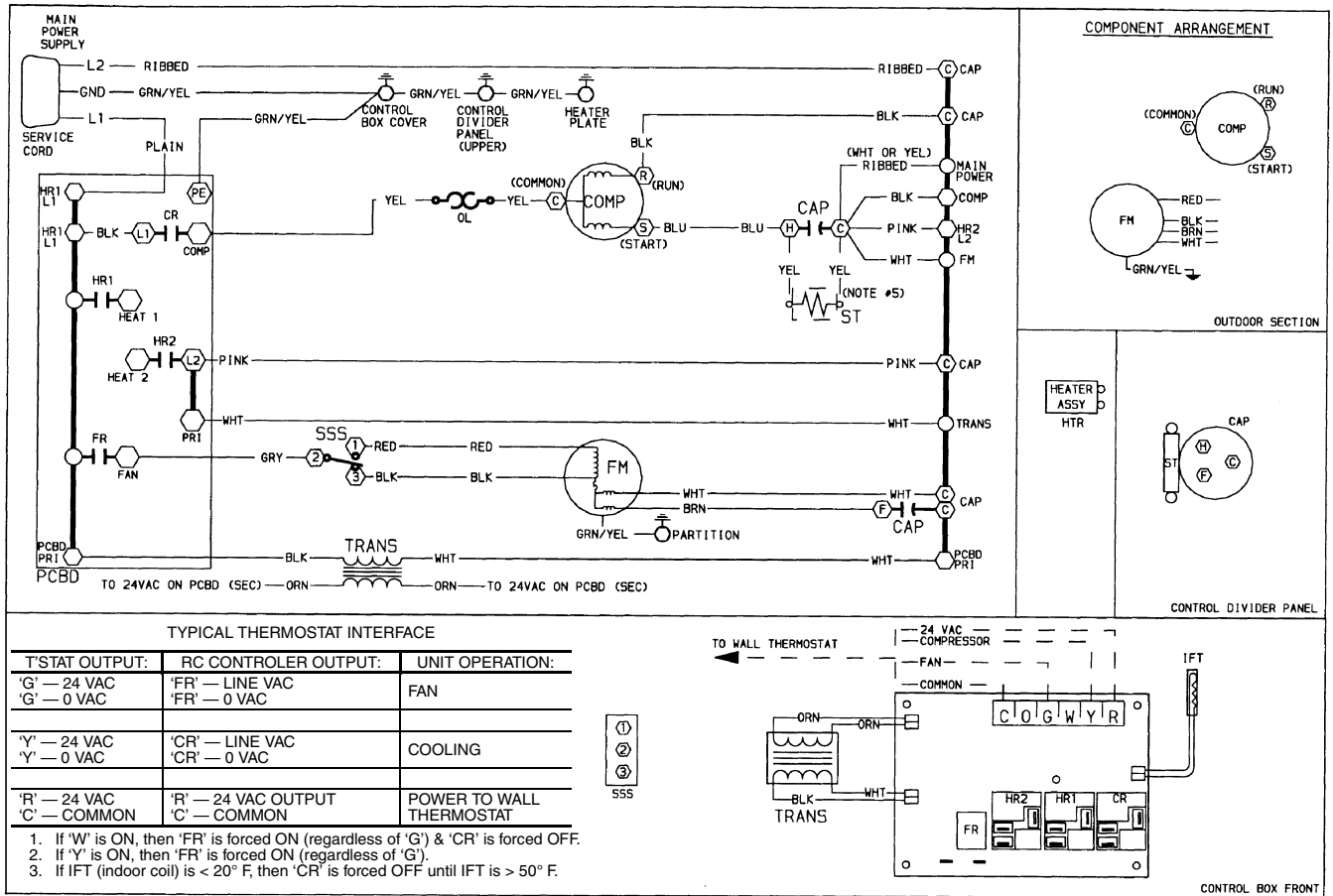


Fig. 6 — 52PC — 208/230-1-60 and 265-1-60 Cooling Only Units with Wall Thermostat Control

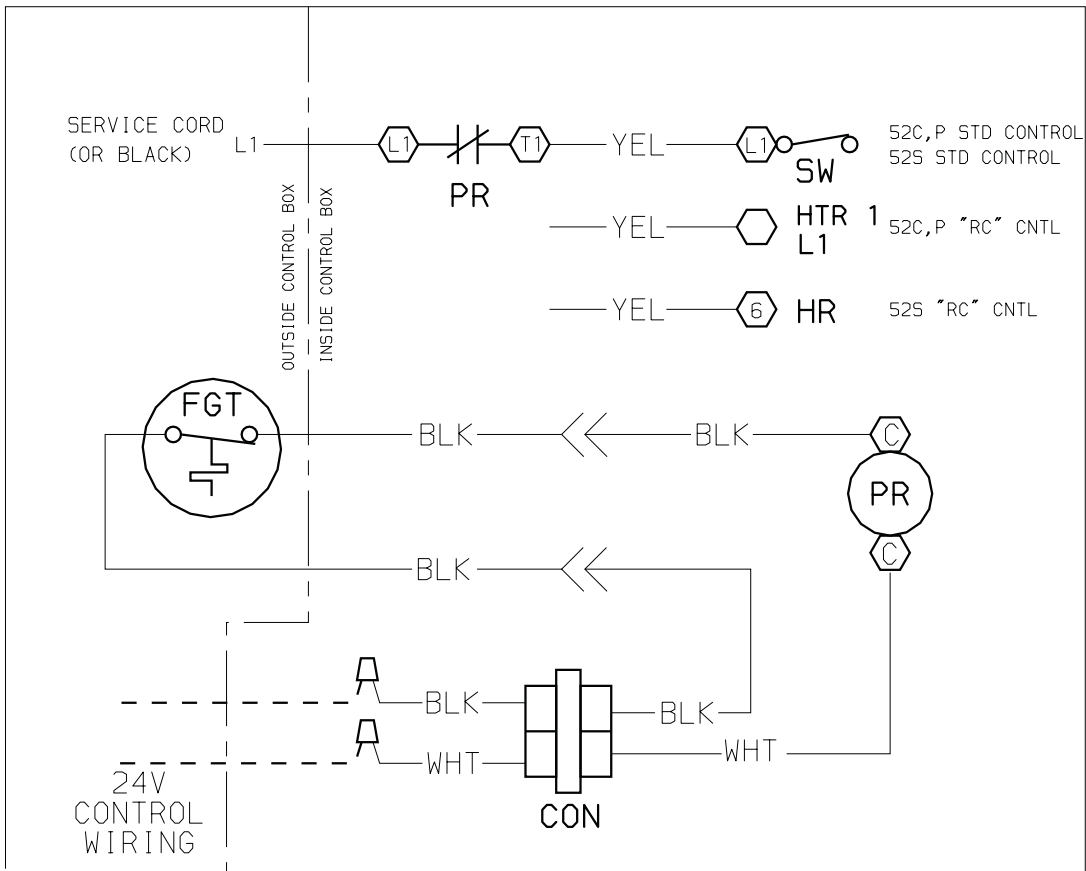


Fig. 7 — Energy Management Kit — All Models