



# Fan Coils Accessory Electric Heaters

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## Wiring Diagrams

FIELD INSTALLED HEATER MODEL	NOM KW AT 240 V	HEATER INSTALLED IN FA4A, FB4A, FC4B, FX4A LABEL DIAGRAM	HEATER INSTALLED IN 40FKA, FK4C, FV4A LABEL DIAGRAM
KFCEH0401N03	3 Non-Fused	Fig. 1	Fig. 2
KFCEH0501N05	5 Non-Fused		
KFCEH0601C05	5 Circuit Breaker		
KFCEH0801N08	8 Non-Fused		
KFCEH1001C08	8 Circuit Breaker		
KFCEH1409N09*	9 Non-Fused 1 or 3-Phase	Fig. 3†	Fig. 4†
KFCEH0901N10	10 Non-Fused	Fig. 1	Fig. 2
KFCEH1501F15*	15 Fused Dual Circuit	Fig. 5†	Fig. 6†
KFCEH1701C15*	15 Circuit Breaker Dual Circuit		
KFCEH1801F20*	20 Fused Dual Circuit	Fig. 7†	Fig. 8†
KFCEH1901C20*	20 Circuit Breaker Dual Circuit		
KFCEH1601315	15 Non-Fused 3-Phase Only	Fig. 9	Fig. 10
KFCEH2001318	18 Non-Fused 3-Phase Only	Fig. 11	Fig. 12
KFCEH2101F24*	24 Fused 1 or 3-Phase Single or Multiple Circuit	Single Phase Fig. 13 Three Phase Fig. 15	Single Phase Fig. 14 Three Phase Fig. 16
KFCEH2201F30*	30 Fused 1 or 3-Phase Single or Multiple Circuit		

\* Intelligent Heat Staging Capable

† For heater serial numbers after 1900A56372

FIELD INSTALLED HEATER MODEL	NOM KW 240 V	HEATER INSTALLED IN FF1D FAN COIL
KFDEH0801D05	5 Disconnect	Fig. 17
KFDEH0901D75	7.5 Disconnect	
KFDEH1001D11	11 Disconnect	

ACCESSORY SMART HEAT PACKAGES	NOM KW AT 240 V	LABEL DIAGRAM
KFCEH0101H10	10 Smart Heat	Fig. 18
KFCEH0201H15	15 Smart Heat	Fig. 19
KFCEH0301H20	20 Smart Heat	Fig. 20

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

FAN COIL MODEL WITH FACTORY INSTALLED HEAT	FACTORY INSTALLED HEATER MODEL	NOMINAL KW DESCRIPTION	LABEL DIAGRAM
FA4ANC018,024,030,036,042005AFAA, AGAA	MKFCEH0701D05	5 Disconnect	Fig. 1
FA4ANF018,024,030,036,042,048008AFAA, AGAA FB4ANF018,024,030,036,042,048008AFAA	MKFCEH0801N08	8 Non-fused	
FA4ANF018,024,030,036,042,048010AFAA, AGAA FB4ANF018,024,030,036,042,048010AFAA	MKFCEH0901N10	10 Non-fused	
FA4ANC018,024,030,036,042,048008AFAA, AGAA	MKFCEH1201D08	8 Disconnect	
FA4ANC018,024,030,036,042,048,060010AFAA, AGAA	MKFCEH1301D10	10 Disconnect	
FA4ANF030,036,042,048015AFAA, AGAA FB4ANF030,036,042,048015AFAA	MKFCEH1501F15	15 Fused	Fig. 5
FF1DNA018,024,030005AAAA, ABAA	MKFDEH0801D05	5 Disconnect	Fig. 17
FF1DNA018,024,030075AAAA, ABAA	MKFDEH0901D75	7.5 Disconnect	
FF1DNA018,024,030011AAAA, ABAA	MKFDEH1001D11	11 Disconnect	

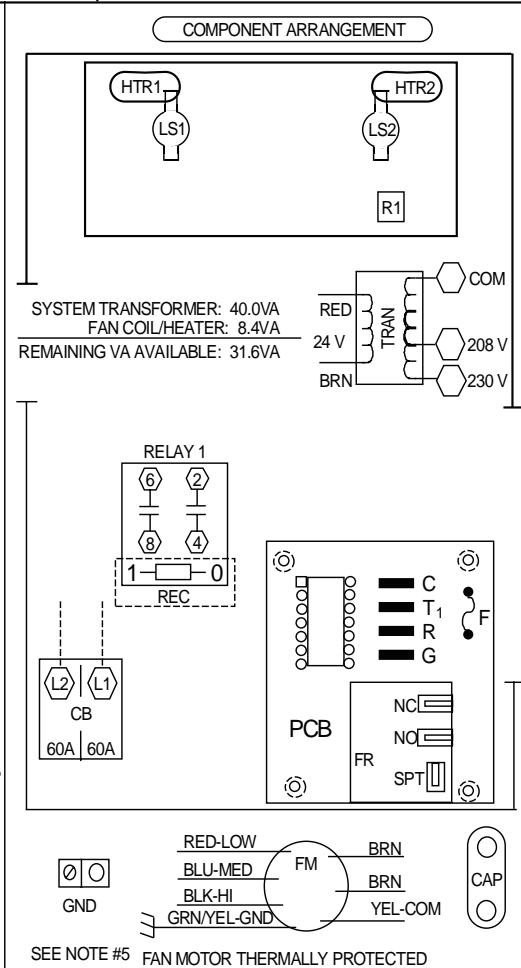
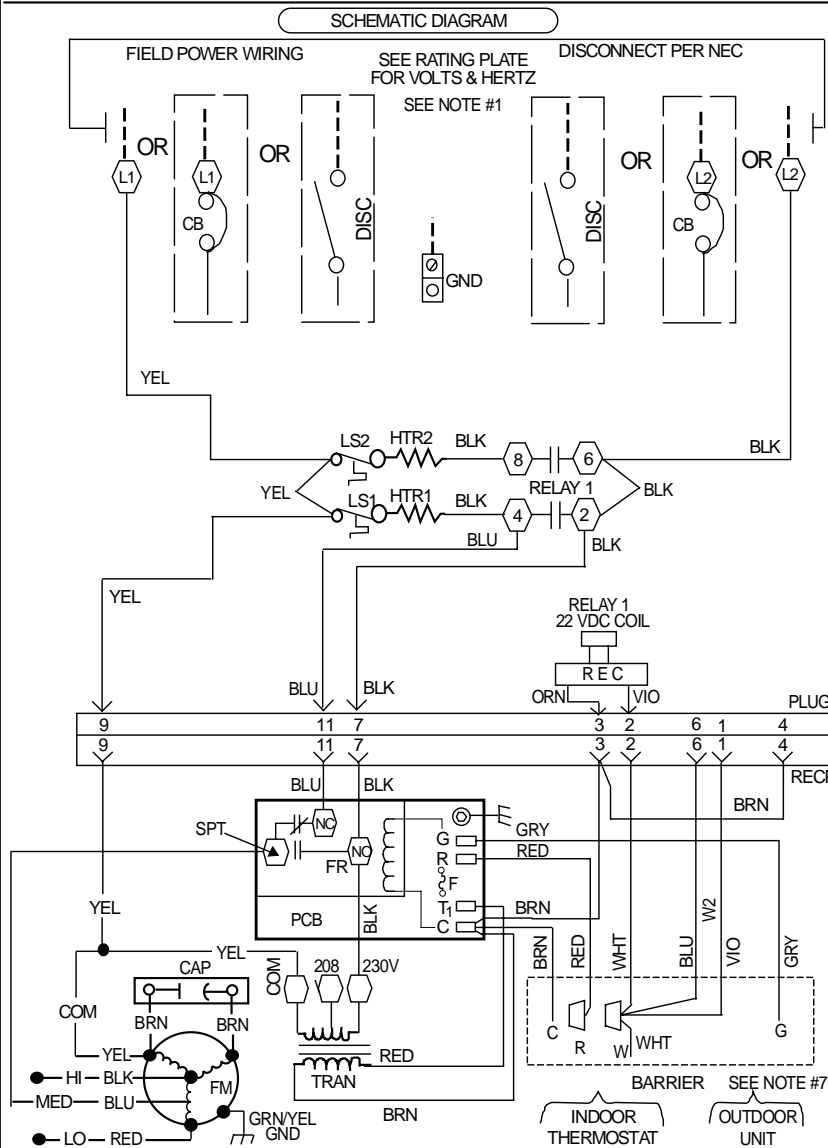
FAN COIL WITH COOLING ONLY CONTROL	LABEL DIAGRAM
FA4A, FB4A, FC4B, FX4A, FH4A	Fig. 21
40FKA, FK4C, FV4A	Fig. 22

**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE  
150 V A LA TERRE



- NOTES:**
1. USE COPPER WIRE (75°C MIN) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
  2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
  3. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
  4. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
  5. (3) SPEED MOTOR SHOWN. OPTIONAL (2) SPEED MOTOR USES HI (BLK) AND LOW (BLU OR RED).
  6. SMALLER HEATERS WILL HAVE FEWER COMPONENTS.
  7. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.

**324988-101 REV. A**

- LEGEND**
- |     |                        |      |                       |
|-----|------------------------|------|-----------------------|
| CAP | CAPACITOR              | HTR  | HEATER                |
| CB  | CIRCUIT BREAKER        | LS   | LIMIT SWITCH          |
| COM | COMMON                 | ◻    | MARKED TERMINAL       |
| F   | LOW VOLTAGE FUSE       | →    | PLUG AND RECEPTACLE   |
| FM  | FAN MOTOR              | PCB  | PRINTED CIRCUIT BOARD |
| FR  | PCB FAN RELAY          | REC  | RECTIFIER             |
| FU  | LINE FUSE              | R    | RELAY                 |
| GND | EQUIPMENT GROUND       | TRAN | TRANSFORMER           |
| SPT | FAN SPEED TAP LOCATION | ○    | UNMARKED TERMINAL     |

**MINIMUM MOTOR SPEED SELECTION**

FAN COIL SIZE	018	024	030	036	042	048	060	070
MOTOR SPEED ONE HTR	LO	LO	LO	LO	--	--	--	--
MOTOR SPEED TWO HTR	LO	LO	LO	LO	LO	LO	LO	LO

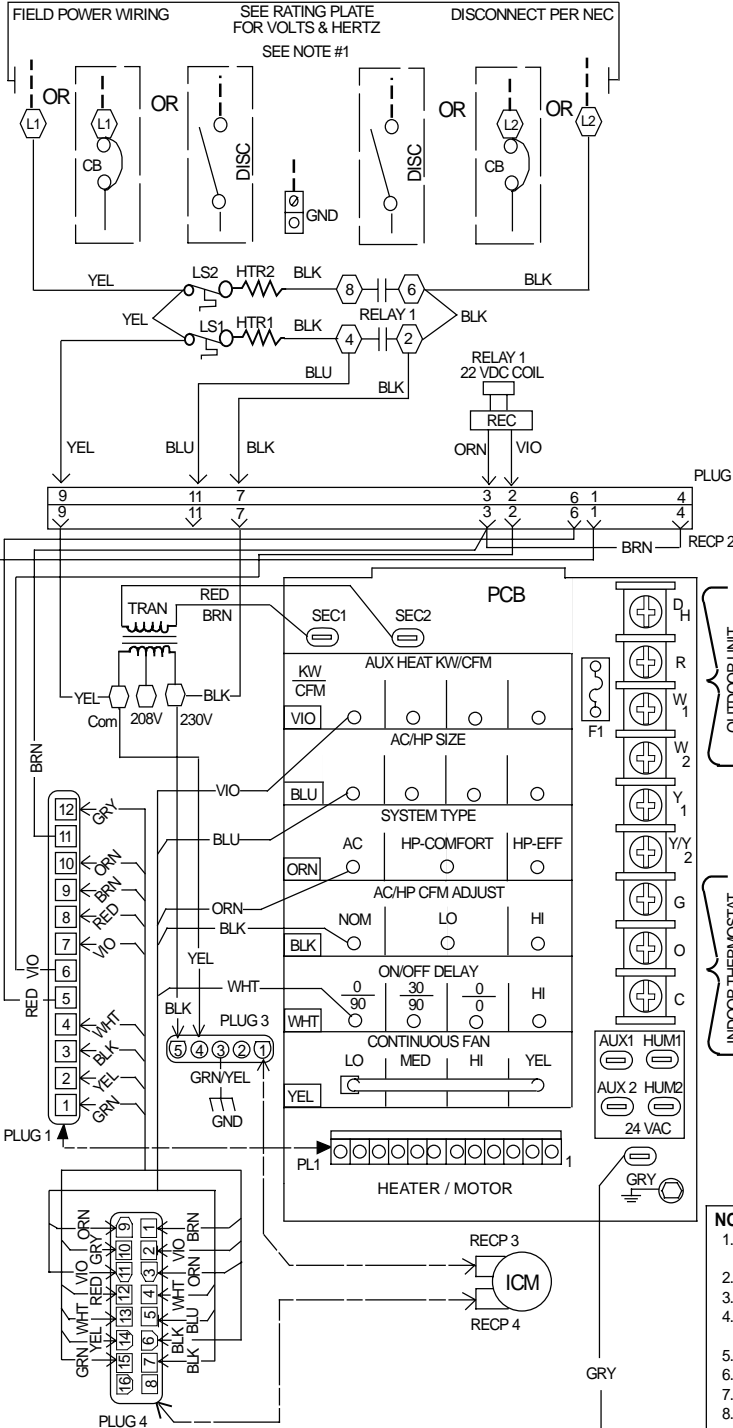
**Fig. 1—Label Wiring 324988-101**

A00168

**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**SCHEMATIC DIAGRAM SINGLE SUPPLY CIRCUIT**

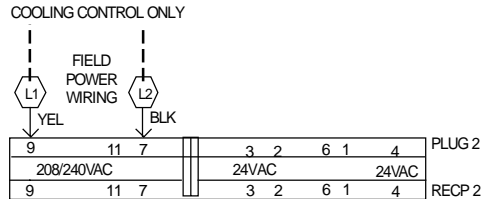


**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V TO GROUND  
**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150 V A LA TERRE

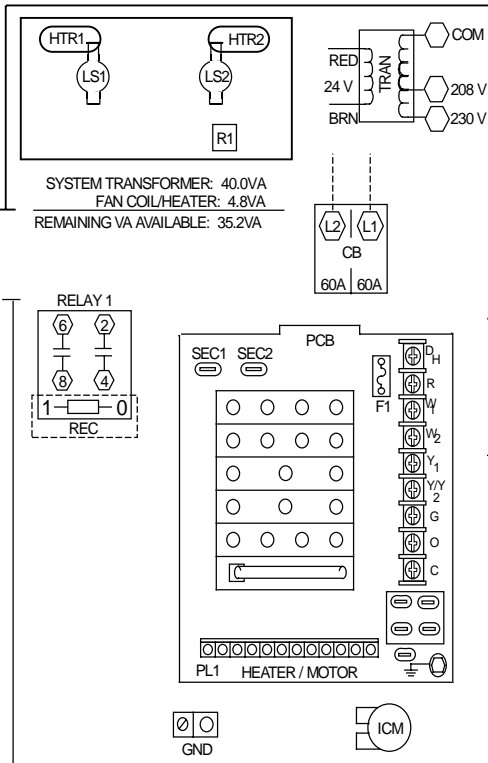
**LEGEND**

COM	COMMON	LS	LIMIT SWITCH
F1	LOW VOLTAGE FUSE	◻	MARKED TERMINAL
ICM	FAN MOTOR	→	PLUG AND RECEPTACLE
---	FIELD POWER WIRING	PCB	PRINTED CIRCUIT BOARD
FU	LINE FUSE	TRAN	TRANSFORMER
GND	EQUIPMENT GROUND	RECP	RECEPTACLE
HV/TB	HIGH VOLTAGE TERM BLOCK	CB	CIRCUIT BREAKER
HTR	HEATER	R	RELAY
REC	RECTIFIER	TDR	TIME DELAY RECTIFIER

**FIELD POWER WIRING**



**COMPONENT ARRANGEMENT**



**NOTES:**

1. USE COPPER WIRE (75°C MIN) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
3. TRANSFORMER PRIMARY LEADS, BLUE 208V, RED 230V.
4. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
5. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
6. DUAL CIRCUIT WIRING SHOWN.
7. USE 60 AMP CLASS K FUSES ONLY, FOR REPLACEMENT.
8. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.

326001-101 REV. B

**LABEL (2)  
SEE INSTRUCTION FOR INSTALLATION**

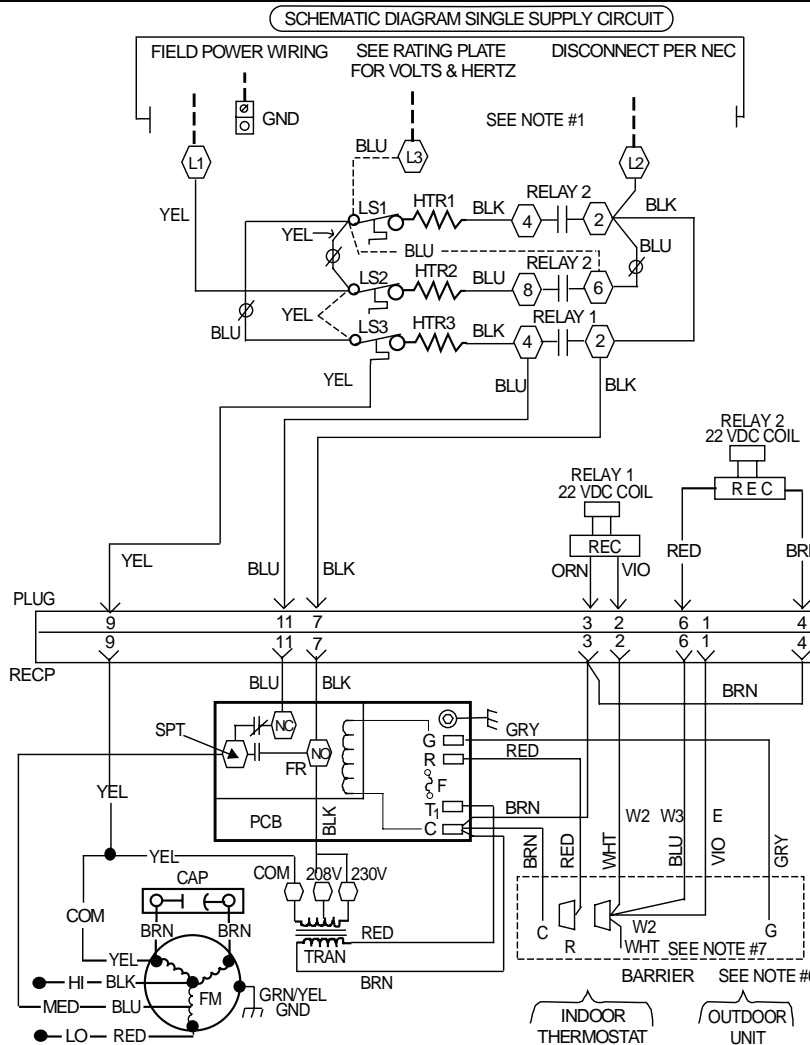
**Fig. 2—Label Wiring 326001-101**

**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150  
V A LA TERRE



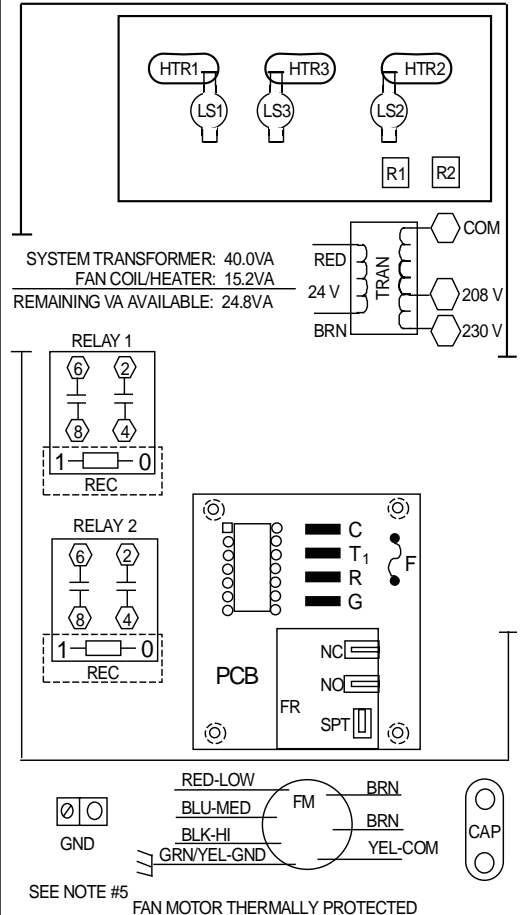
**FOR 3 PHASE WIRING**

- NOTE:** ∅ Denotes wire to be moved for 3 phase conversion. Dashed wire (- -) indicates wiring after conversion.
1. Disconnect BLUE wire from limit switch 3(LS3), cut, strip, and connect to field wire L3.
  2. Disconnect YELLOW wire from LS1 and connect to LS3.
  3. Disconnect BLUE wire from relay 2 terminal 2 and connect to LS1.

**NOTES:**

1. USE COPPER WIRE (75°C MIN) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
3. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
4. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
5. (3) SPEED MOTOR SHOWN. OPTIONAL (2) SPEED MOTOR USES HI (BLK) AND LOW (BLU OR RED).
6. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.
7. IF WIRE CRIMP IS REMOVED AN EMERGENCY HEAT RELAY IS REQUIRED.  
(SEE OUTDOOR-THERMOSTAT INSTRUCTIONS)

**COMPONENT ARRANGEMENT**



SEE NOTE #5 FAN MOTOR THERMALLY PROTECTED

**LEGEND**

CAP	CAPACITOR	HTR	HEATER
COM	COMMON	LS	LIMIT SWITCH
F	LOW VOLTAGE FUSE	∅	MARKED TERMINAL
FM	FAN MOTOR	→	PLUG & RECEPTACLE
- - -	FIELD POWER WIRING	FR	PRINTED CIRCUIT BOARD
GND	EQUIPMENT GROUND	REC	RECTIFIER
SPT	FAN SPEED TAP LOCATION	R	RELAY
R	RELAY	TRAN	TRANSFORMER
		○	UNMARKED TERMINAL

**MINIMUM CFM / MOTOR SPEED SELECTION**

FAN COIL SIZE	018	024	030	036	042	048	060	070
MOTOR SPEED AT 9 KW	--	LO	LO	LO	LO	LO	LO	LO

325650-101 REV. A

**Fig. 3—Label Wiring 325650-101**

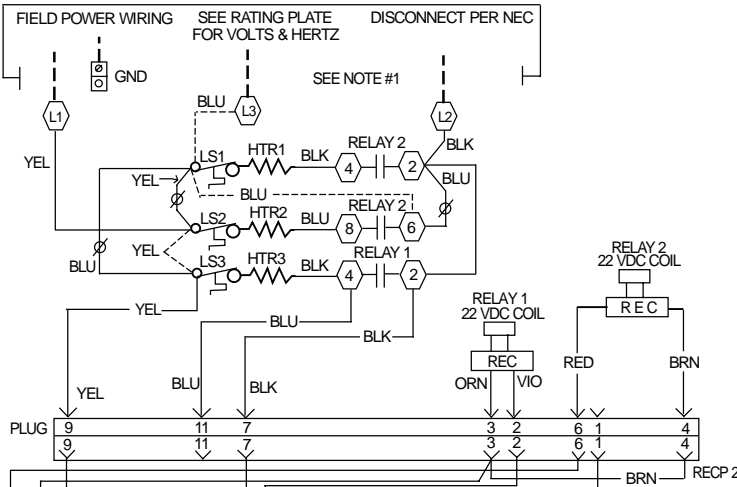
**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150  
V A LA TERRE

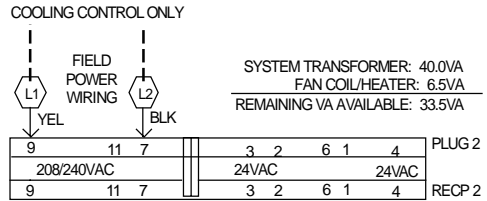
**SCHEMATIC DIAGRAM SINGLE SUPPLY CIRCUIT**



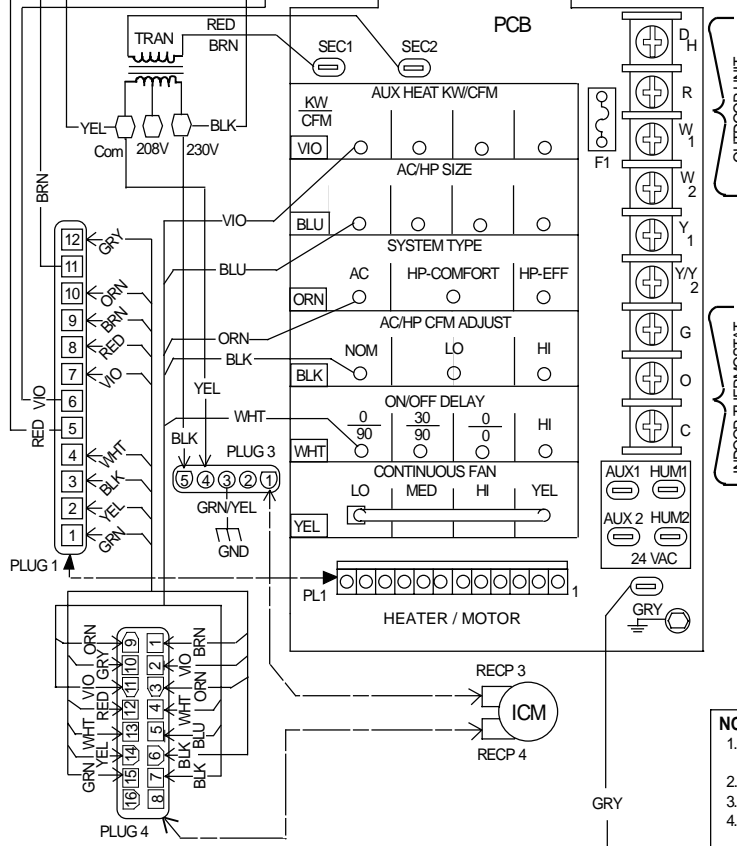
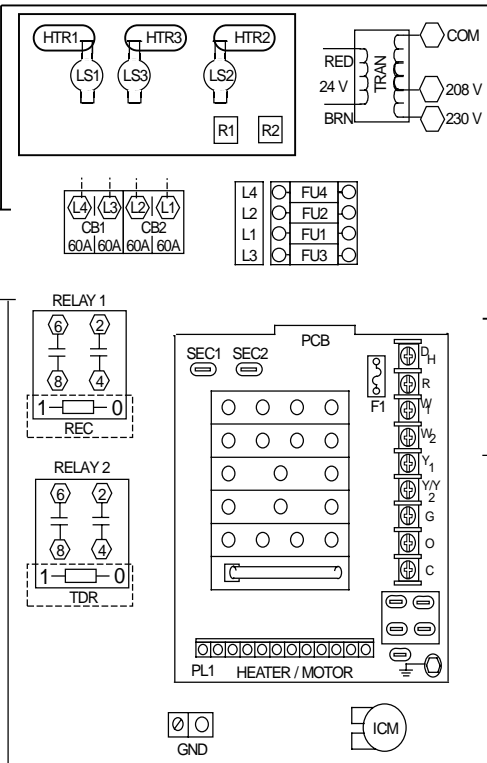
**LEGEND**

COM	COMMON	LS	LIMIT SWITCH
F1	LOW VOLTAGE FUSE	⬢	MARKED TERMINAL
ICM	FAN MOTOR	⊣	PLUG AND RECEPTACLE
---	FIELD POWER WIRING	PCB	PRINTED CIRCUIT BOARD
FU	LINE FUSE	TRAN	TRANSFORMER
GND	EQUIPMENT GROUND	RECP	RECEPTACLE
HVTB	HIGH VOLTAGE TERM BLOCK	CB	CIRCUIT BREAKER
HTR	HEATER	R	RELAY
REC	RECTIFIER	TDR	TIME DELAY RECTIFIER

**FIELD POWER WIRING**



**COMPONENT ARRANGEMENT**



**FOR 3 PHASE WIRING**

- ⊘ Denotes wire to be moved for 3 phase conversion. Dashed wire (---) indicates wiring after conversion.
- 1. Disconnect BLUE wire from limit switch 3(LS3), cut, strip, and connect to field wire L3.
- 2. Disconnect YELLOW wire from LS1 and connect to LS3.
- 3. Disconnect BLUE wire from relay 2 terminal 2 and connect to LS1.

**NOTES:**

1. USE COPPER WIRE (75°C MIN) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
3. TRANSFORMER PRIMARY LEADS, BLUE 208V, RED 230V.
4. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
5. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
6. DUAL CIRCUIT WIRING SHOWN.
7. USE 60 AMP CLASS K FUSES ONLY, FOR REPLACEMENT.
8. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.

325796-101 REV. B

**LABEL (2)  
SEE INSTRUCTION FOR INSTALLATION**

A00179

**Fig. 4—Label Wiring 325796-101**

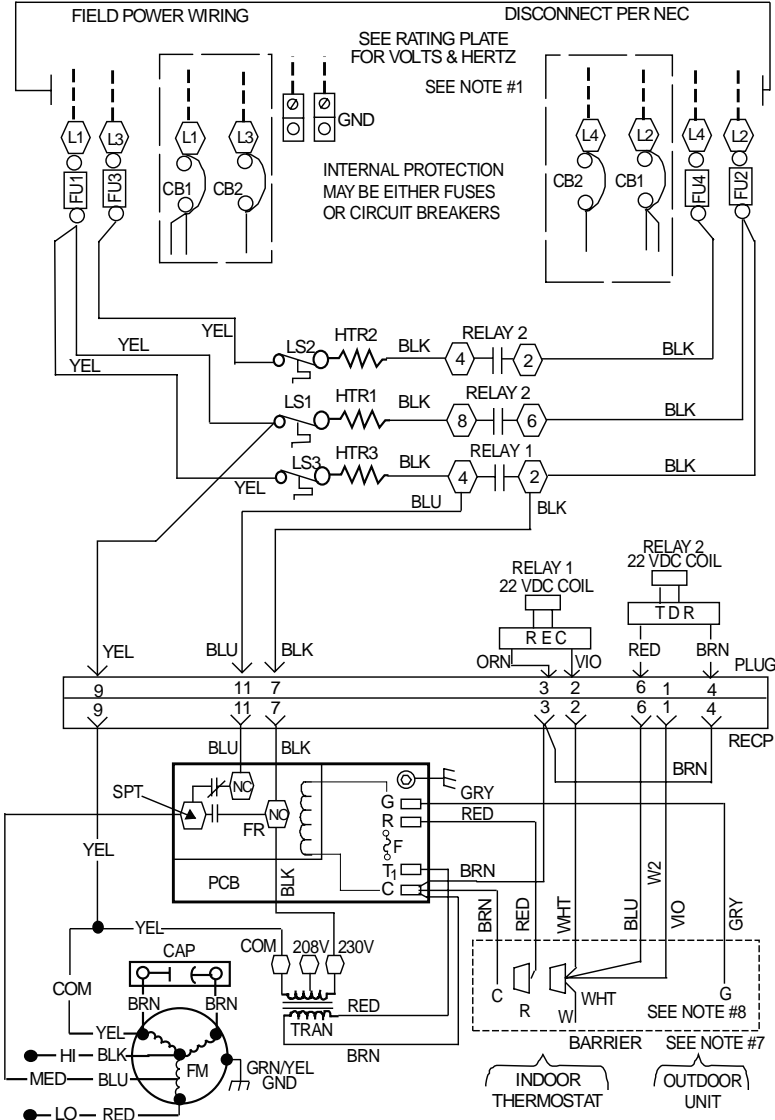
**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

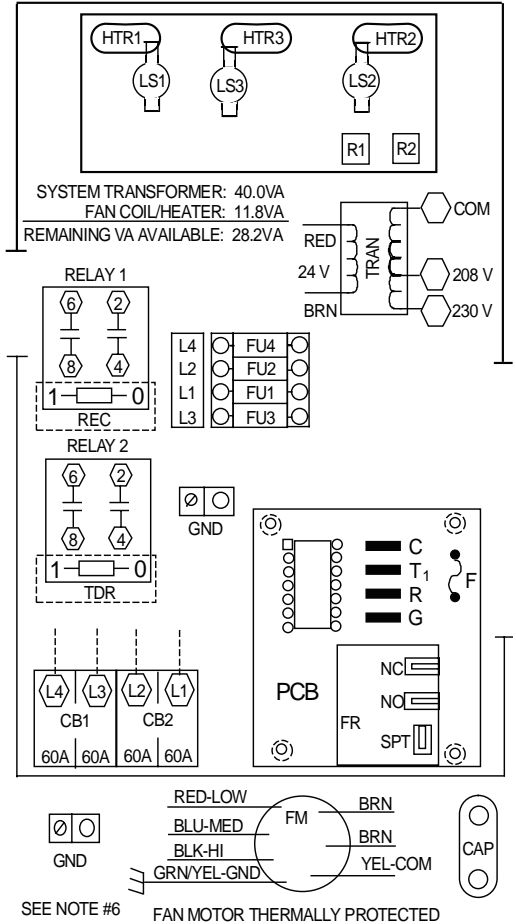
**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150  
V A LA TERRE

**SCHEMATIC DIAGRAM (LADDER FORMAT)**



**COMPONENT ARRANGEMENT**



**NOTES:**

1. Use copper wire (75°C min.) only between disconnect switch and unit.
2. To be wired in accordance with N.E.C. and local codes.
3. If any of the original wire, as supplied, must be replaced, use the same or equivalent type wire.
4. Replace low voltage fuse with no greater than 5 amp fuse.
5. Use 60 amp class K fuses only, for replacement.
6. (3) speed motor shown. Optional (2) speed motor uses HI (BLK) and LOW (BLU or RED).
7. Connect R to R, G to G, etc., see outdoor instruction for details.
8. If wire crimp is removed an emergency heat relay is required. (See outdoor-thermostat instructions).

**LEGEND**

CB	CIRCUIT BREAKER	HTR	HEATER
CAP	CAPACITOR	LS	LIMIT SWITCH
COM	COMMON	□	MARKED TERMINAL
F	LOW VOLTAGE FUSE	⏏	PLUG AND RECEPTACLE
FM	FAN MOTOR	PCB	PRINTED CIRCUIT BOARD
---	FIELD POWER WIRING	REC	RECTIFIER
FR	PCB FAN RELAY	R	RELAY
FU	LINE FUSE	TRAN	TRANSFORMER
GND	EQUIPMENT GROUND	○	UNMARKED TERMINAL
SPT	FAN SPEED TAP	TDR	TIME DELAY
	LOCATION	⏏	RECTIFIER

**MINIMUM MOTOR SPEED SELECTION**

FAN COIL SIZE	018	024	030	036	042	048	060	070
MOTOR SPEED AT 15 KW	--	MED	LO	LO	LO	LO	LO	LO

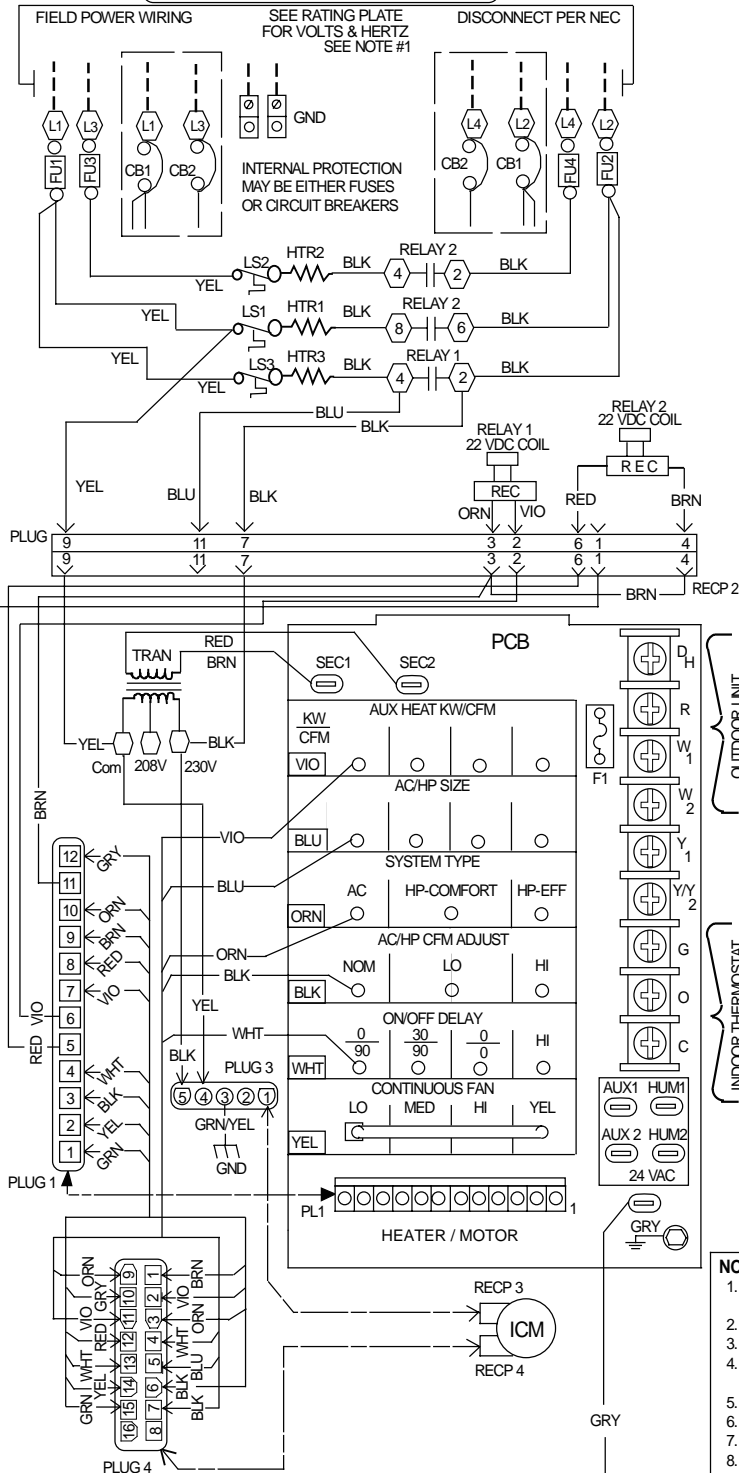
**325651-101 REV. A**

**Fig. 5—Label Wiring 325651-101**

**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR ROTATION**

**SCHEMATIC DIAGRAM SINGLE SUPPLY CIRCUIT**



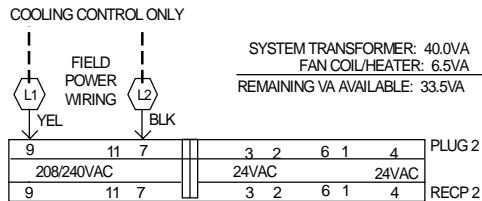
**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150 V A LA TERRE

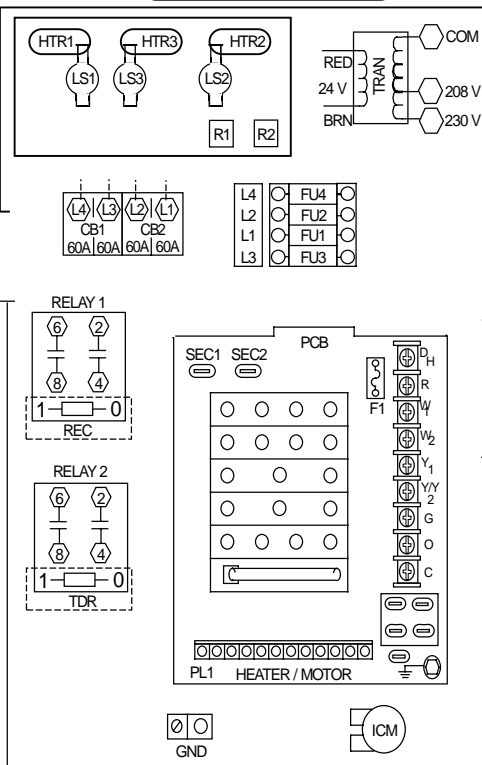
**LEGEND**

- COM COMMON
- F1 LOW VOLTAGE FUSE
- ICM FAN MOTOR
- FIELD POWER WIRING
- FU LINE FUSE
- GND EQUIPMENT GROUND
- HVTB HIGH VOLTAGE TERM BLOCK
- HTR HEATER
- REC RECTIFIER
- LS LIMIT SWITCH
- ◯ MARKED TERMINAL
- ⊞ PLUG AND RECEPTACLE
- PCB PRINTED CIRCUIT BOARD
- TRAN TRANSFORMER
- RECP RECEPTACLE
- CB CIRCUIT BREAKER
- R RELAY
- TDR TIME DELAY RECTIFIER

**FIELD POWER WIRING**



**COMPONENT ARRANGEMENT**



**NOTES:**

1. USE COPPER WIRE (75°C MIN) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
3. TRANSFORMER PRIMARY LEADS, BLUE 208V, RED 230V.
4. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
5. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
6. DUAL CIRCUIT WIRING SHOWN.
7. USE 60 AMP CLASS K FUSES ONLY, FOR REPLACEMENT.
8. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.

325797-101 REV. B

**LABEL (2)**  
**SEE INSTRUCTION FOR INSTALLATION**

A00180

**Fig. 6—Label Wiring 325797-101**



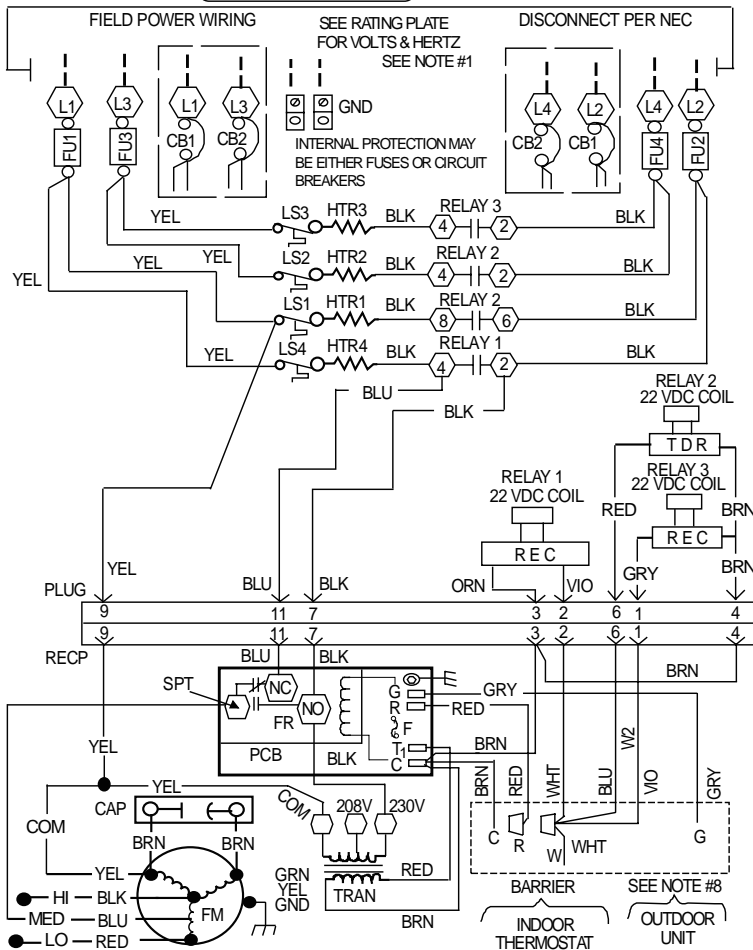
**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V  
TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE  
150 V A LA TERRE

**SCHEMATIC DIAGRAM**

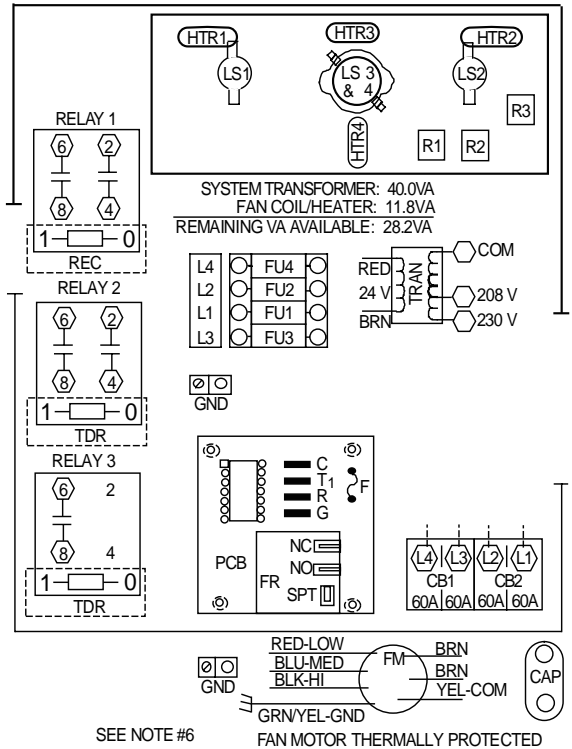


**NOTES:**

1. Use copper wire (75°C min.) only between disconnect switch and unit.
2. To be wired in accordance with N.E.C. and local codes.
3. If any of the original wire, as supplied, must be replaced, use the same or equivalent type wire.
4. Replace low voltage fuse with no greater than 5 amp fuse.
5. Use 60 amp class K fuses only, for replacement.
6. (3) speed motor shown. Optional (2) speed motor uses **HI** (BLK) and **LOW** (BLU or RED).
7. Connect R to R, G to G, etc., see outdoor instruction for details.
8. Smaller heaters will have fewer components.

**325652-101 REV. A**

**COMPONENT ARRANGEMENT**



**Fig. 7—Label Wiring 325652-101**

A00177

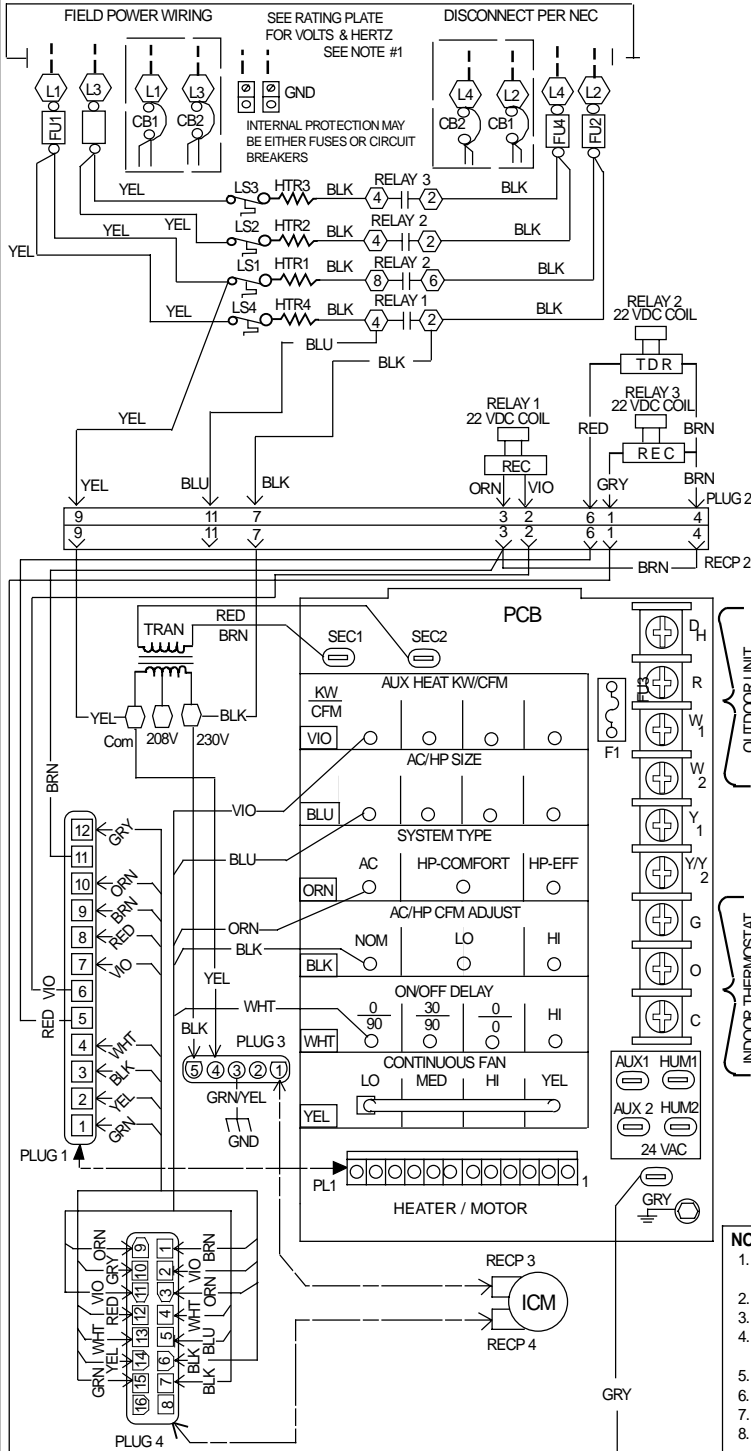
**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

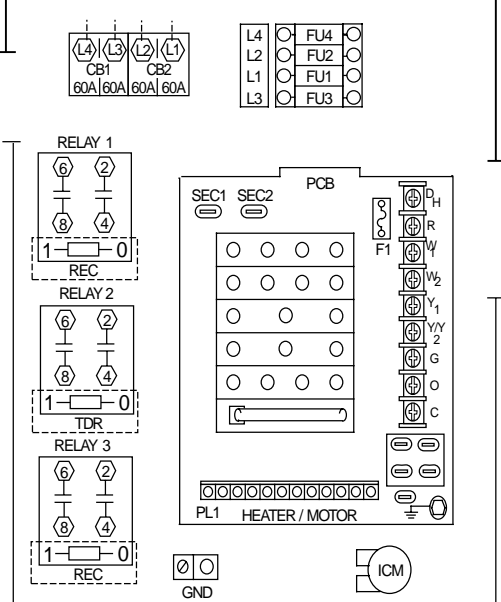
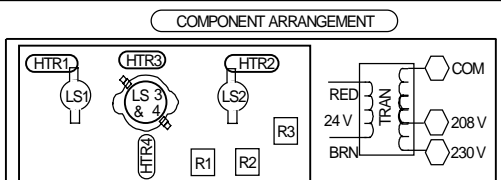
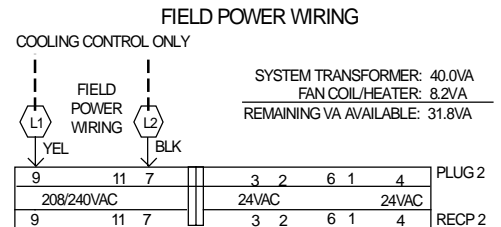
**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150  
V A LA TERRE

**20KW 1PH SCHEMATIC DIAGRAM**



**LEGEND**

COM	COMMON	LS	LIMIT SWITCH
F1	LOW VOLTAGE FUSE	⊕	MARKED TERMINAL
ICM	FAN MOTOR	⊕	PLUG AND RECEPTACLE
---	FIELD POWER WIRING	PCB	PRINTED CIRCUIT BOARD
FU	LINE FUSE	TRAN	TRANSFORMER
GND	EQUIPMENT GROUND	RECP	RECEPTACLE
HVTB	HIGH VOLTAGE TERM BLOCK	CB	CIRCUIT BREAKER
HTR	HEATER	R	RELAY
REC	RECTIFIER	TDR	TIME DELAY RECTIFIER



- NOTES:**
1. USE COPPER WIRE (75°C MIN) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
  2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
  3. TRANSFORMER PRIMARY LEADS, BLUE 208V, RED 230V.
  4. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
  5. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
  6. DUAL CIRCUIT WIRING SHOWN.
  7. USE 60 AMP CLASS K FUSES ONLY, FOR REPLACEMENT.
  8. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.

325653-101 REV. B

**LABEL (2)  
SEE INSTRUCTION FOR INSTALLATION**

A00178

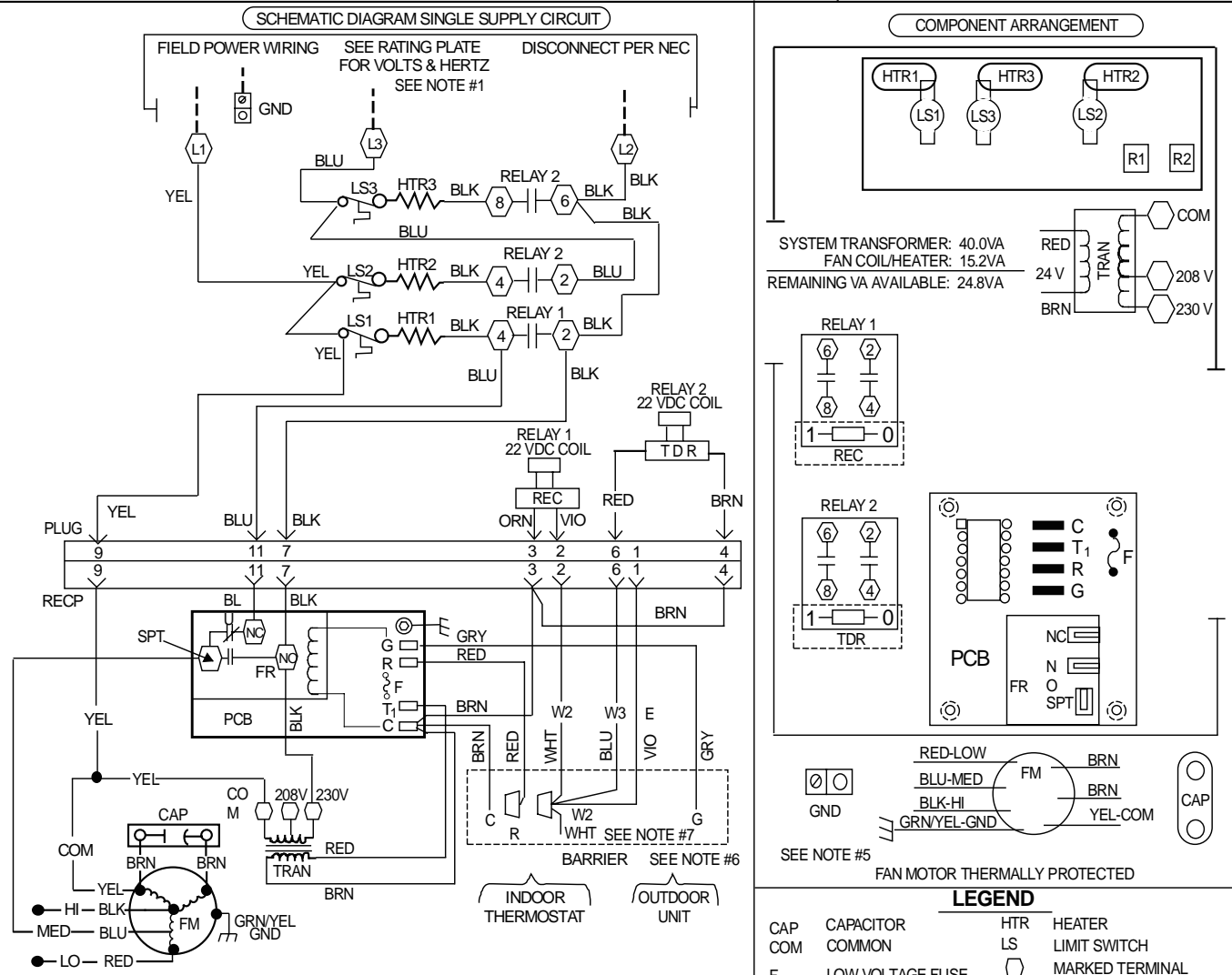
**Fig. 8—Label Wiring 325653-101**

**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE  
150 V A LA TERRE



**NOTES:**

1. USE COPPER WIRE (75°C MIN) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
3. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
4. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
5. (3) SPEED MOTOR SHOWN. OPTIONAL (2) SPEED MOTOR USES HI (BLK) AND LOW (BLU OR RED).
6. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.
7. IF WIRE CRIMP IS REMOVED AN EMERGENCY HEAT RELAY IS REQUIRED. (SEE OUTDOOR-THERMOSTAT INSTRUCTIONS)

SEE NOTE #5

FAN MOTOR THERMALLY PROTECTED

**LEGEND**

CAP	CAPACITOR	HTR	HEATER
COM	COMMON	LS	LIMIT SWITCH
F	LOW VOLTAGE FUSE	◻	MARKED TERMINAL
FM	FAN MOTOR	→	PLUG & RECEPTACLE
---	FIELD POWER WIRING	PCB	PRINTED CIRCUIT BOARD
FR	PCB FAN RELAY	REC	RECTIFIER
GND	EQUIPMENT GROUND	TDR	TIME DELAY RECTIFIER
SPT	FAN SPEED TAP LOCATION	TRAN	TRANSFORMER
R	RELAY	○	UNMARKED TERMINAL

**MINIMUM CFM / MOTOR SPEED SELECTION**

FAN COIL SIZE	018	024	030	036	042	048	060	070
MOTOR SPEED AT 15 KW	--	--	--	LO	LO	LO	LO	LO

324995-101 REV. A

A00174

**Fig. 9—Label Wiring 324995-101**

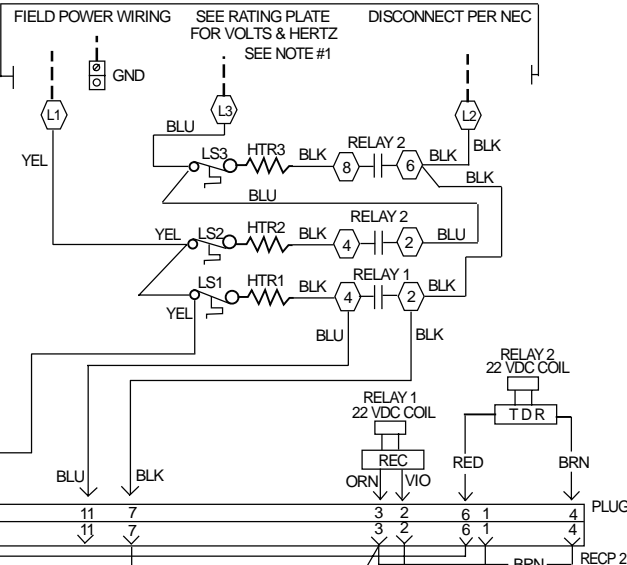
**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150 V A LA TERRE

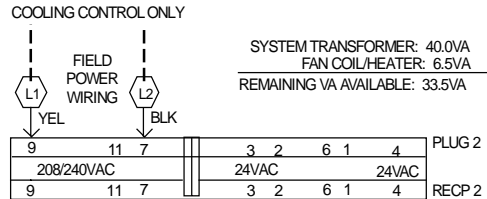
**SCHEMATIC DIAGRAM SINGLE SUPPLY CIRCUIT**



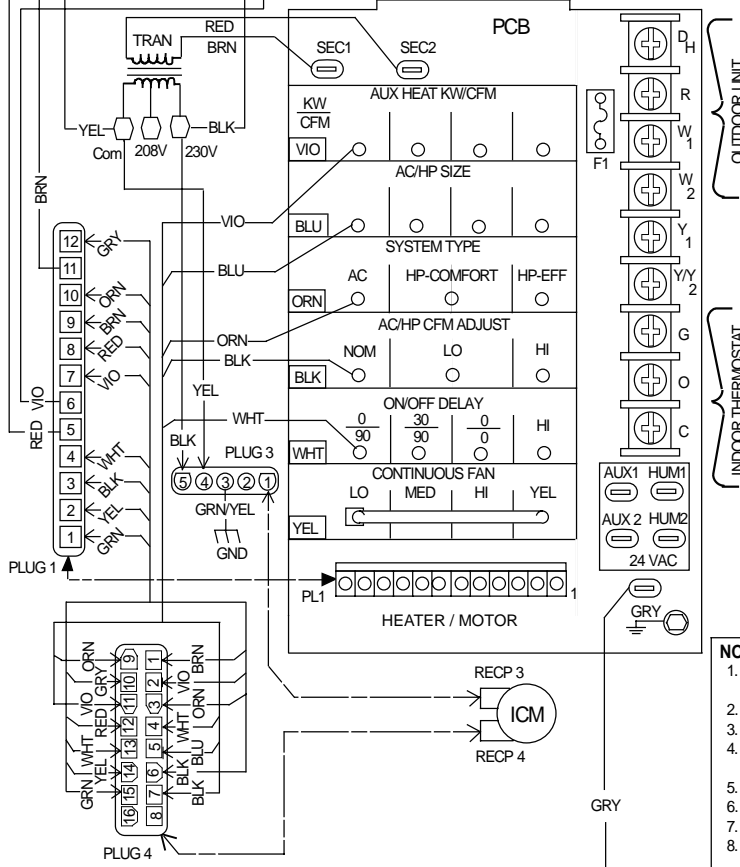
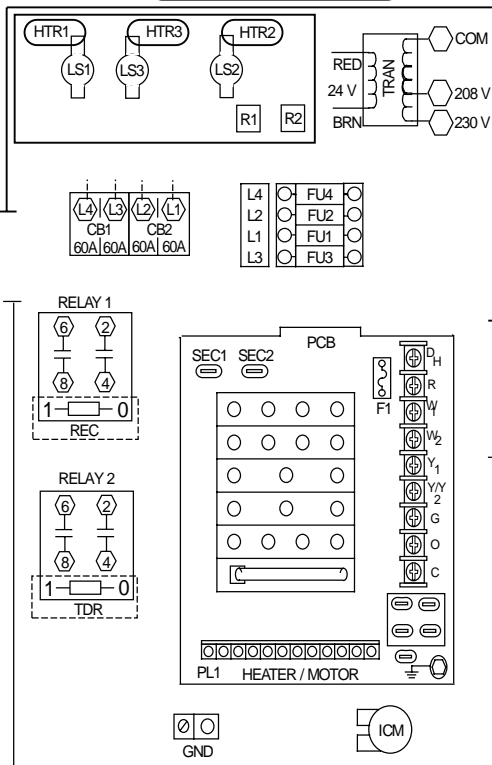
**LEGEND**

COM	COMMON	LS	LIMIT SWITCH
F1	LOW VOLTAGE FUSE	⊕	MARKED TERMINAL
ICM	FAN MOTOR	⊕	PLUG AND RECEPTACLE
---	FIELD POWER WIRING	PCB	PRINTED CIRCUIT BOARD
FU	LINE FUSE	TRAN	TRANSFORMER
GND	EQUIPMENT GROUND	RECP	RECEPTACLE
HVTB	HIGH VOLTAGE TERM BLOCK	CB	CIRCUIT BREAKER
HTR	HEATER	R	RELAY
REC	RECTIFIER	TDR	TIME DELAY RECTIFIER

**FIELD POWER WIRING**



**COMPONENT ARRANGEMENT**



**NOTES:**

1. USE COPPER WIRE (75°C MIN) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
3. TRANSFORMER PRIMARY LEADS, BLUE 208V, RED 230V.
4. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
5. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
6. DUAL CIRCUIT WIRING SHOWN.
7. USE 60 AMP CLASS K FUSES ONLY, FOR REPLACEMENT.
8. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.

325799-101 REV. B

**LABEL (2)  
SEE INSTRUCTION FOR INSTALLATION**

A00182

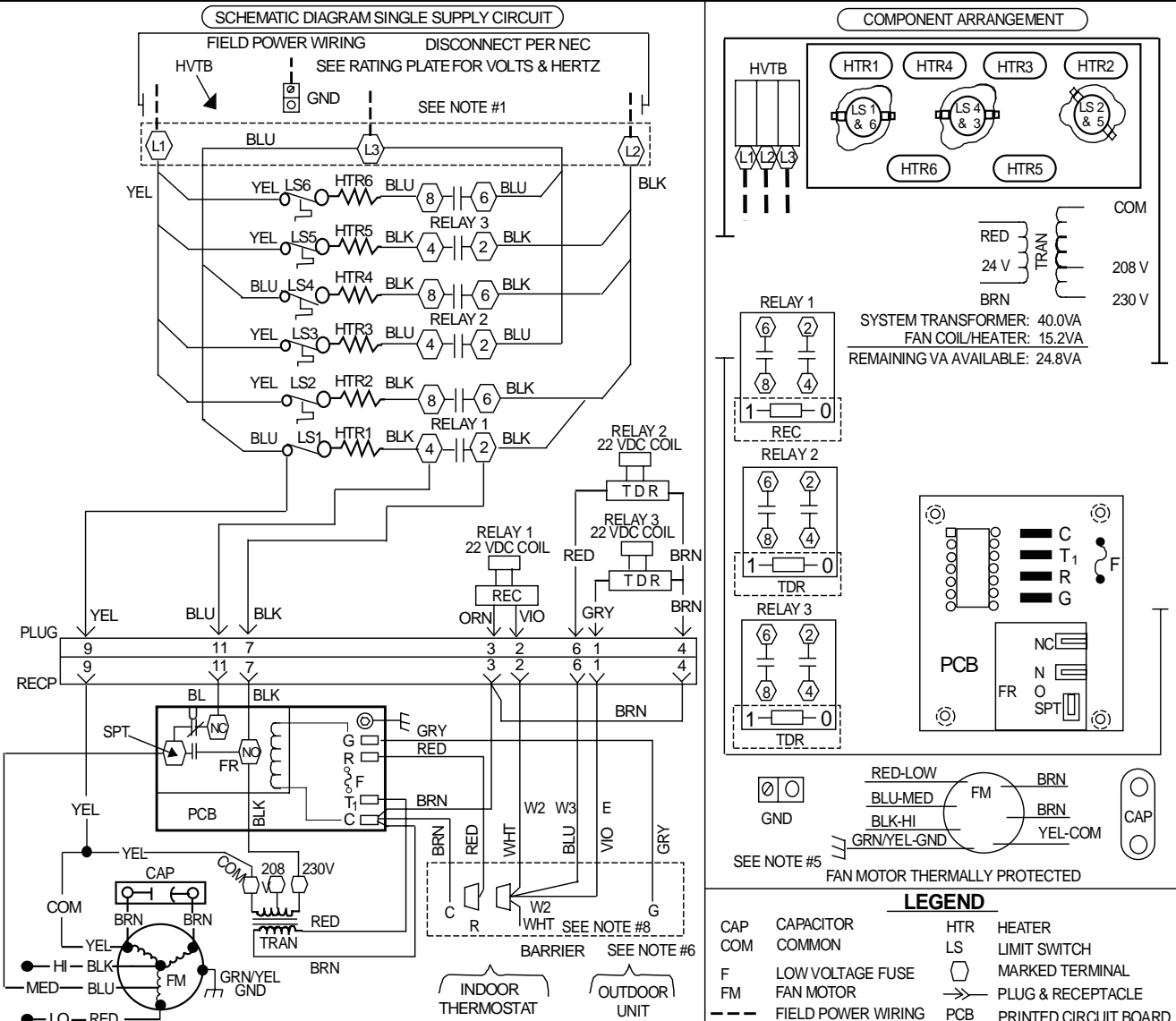
**Fig. 10—Label Wiring 325799-101**

**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE  
150 V A LA TERRE



**NOTES:**

1. Use copper wire (75°C min) only between disconnect switch and unit.
2. To be wired in accordance with N.E.C. and local codes.
3. If any of the original wire, as supplied, must be replaced, use the same or equivalent type wire.
4. Replace low voltage fuse with no greater than 5 amp fuse.
5. (3) speed motor shown, optional (2) speed motor uses HI (BLK) and LOW (BLU or RED).
6. Connect R to R, G to G, etc., see outdoor instruction for details.
7. Largest heater shown, smaller heaters have fewer components.
8. If wire crimp is removed an emergency heat relay is required. (See outdoor-thermostat instructions)

**MINIMUM CFM / MOTOR SPEED SELECTION**

FAN COIL SIZE	018	024	030	036	042	048	060	070
MOTOR SPEED AT 18 KW	--	--	--	--	LO	LO	LO	LO

324990-101 REV. A

A00170

**Fig. 11—Label Wiring 324990-101**

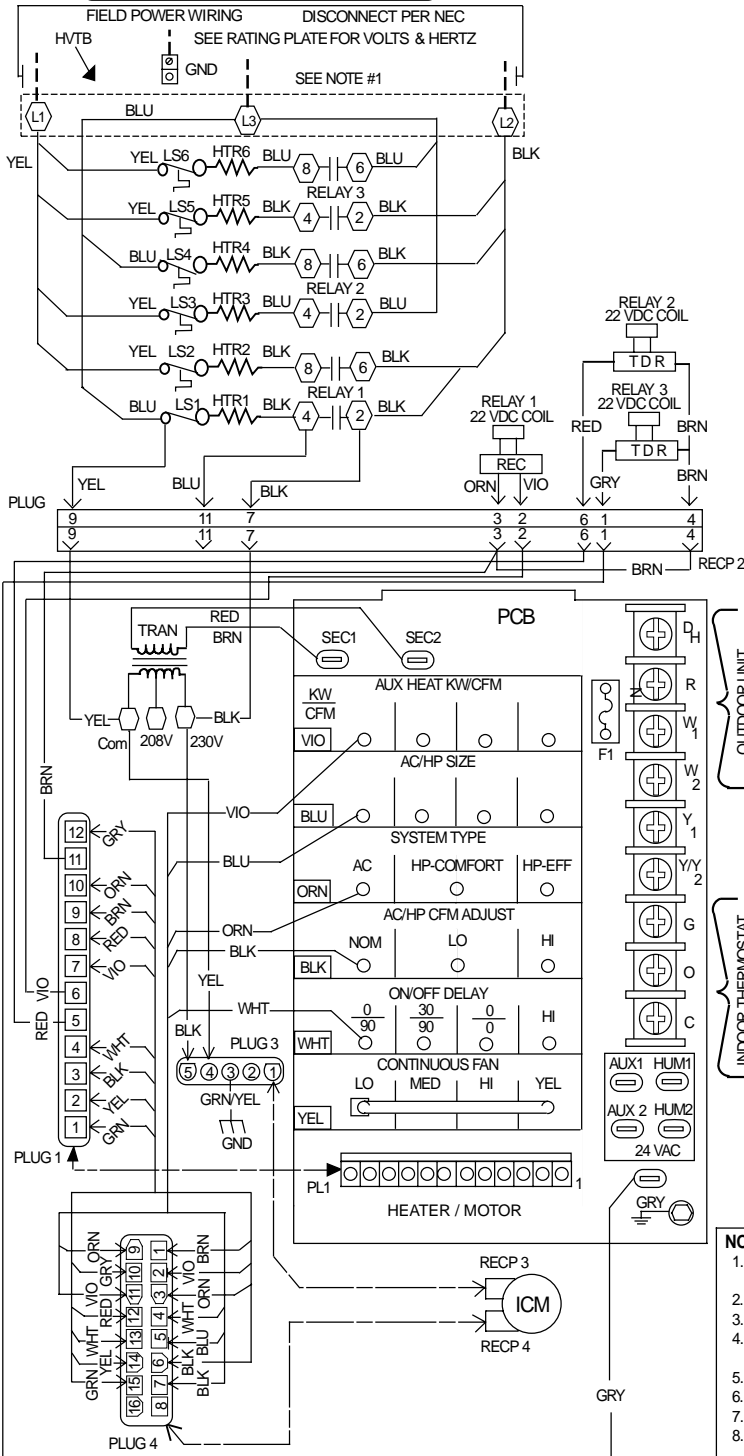
**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150  
V A LA TERRE

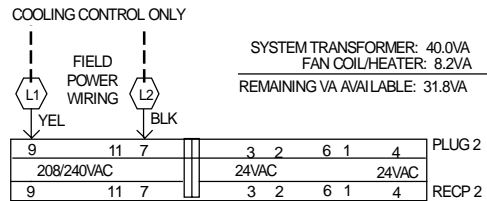
**SCHEMATIC DIAGRAM SINGLE SUPPLY CIRCUIT**



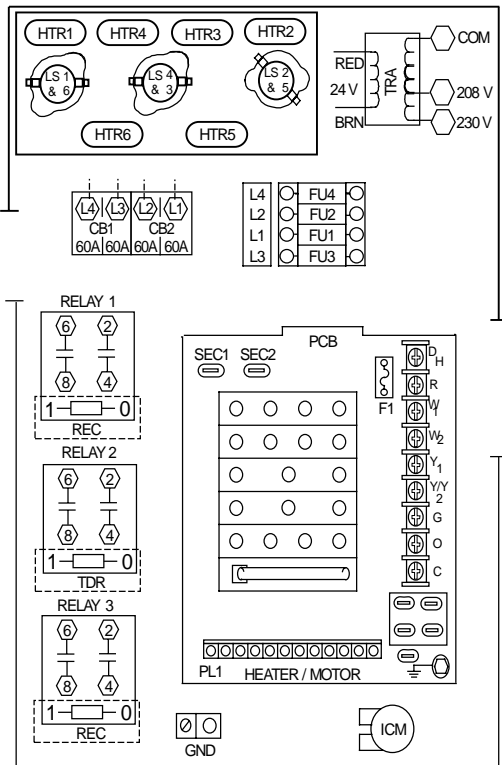
**LEGEND**

COM	COMMON	LS	LIMIT SWITCH
F1	LOW VOLTAGE FUSE	(Symbol)	MARKED TERMINAL
ICM	FAN MOTOR	(Symbol)	PLUG AND RECEPTACLE
---	FIELD POWER WIRING	PCB	PRINTED CIRCUIT BOARD
FU	LINE FUSE	TRAN	TRANSFORMER
GND	EQUIPMENT GROUND	RECP	RECEPTACLE
HVTB	HIGH VOLTAGE TERM BLOCK	CB	CIRCUIT BREAKER
HTR	HEATER	R	RELAY
REC	RECTIFIER	TDR	TIME DELAY RECTIFIER

**FIELD POWER WIRING**



**COMPONENT ARRANGEMENT**



**NOTES:**

1. USE COPPER WIRE (75°C MIN) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
3. TRANSFORMER PRIMARY LEADS, BLUE 208V, RED 230V.
4. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
5. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
6. DUAL CIRCUIT WIRING SHOWN.
7. USE 60 AMP CLASS K FUSES ONLY, FOR REPLACEMENT.
8. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.

325798-101 REV. B

**LABEL (2)  
SEE INSTRUCTION FOR INSTALLATION**

A00181

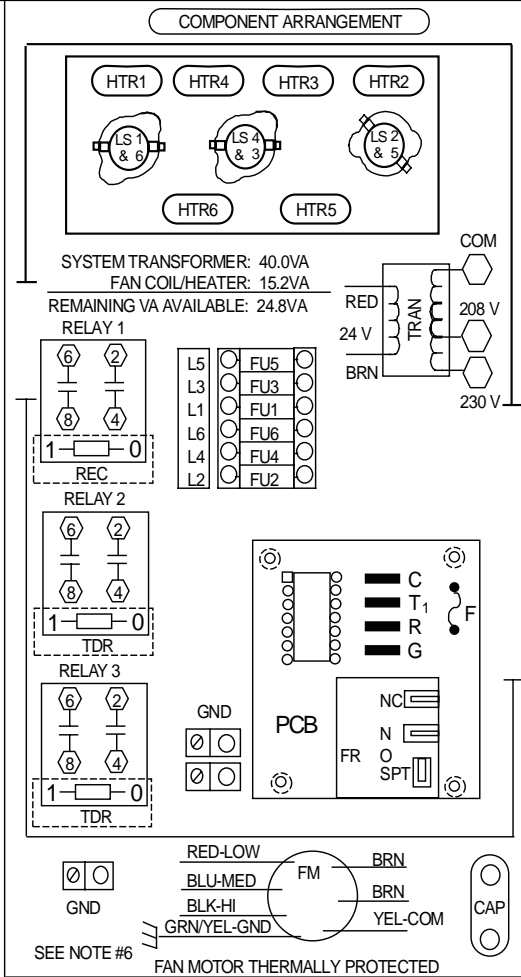
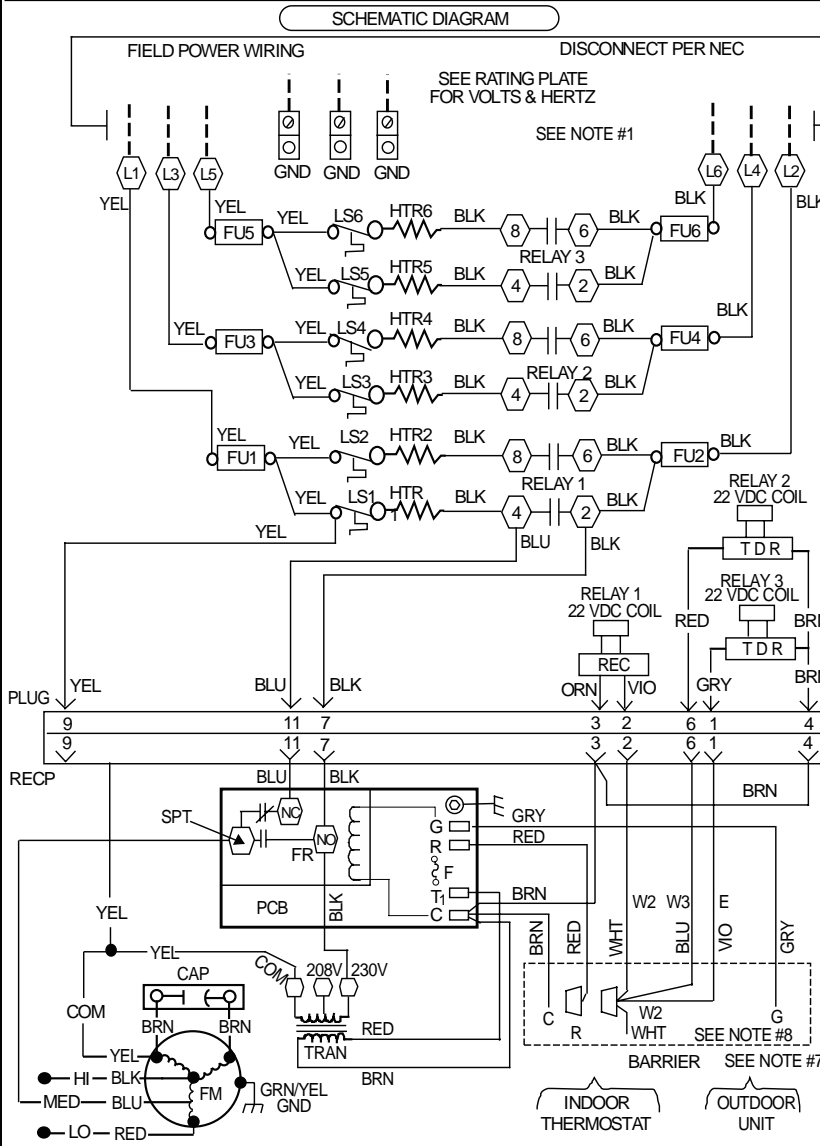
**Fig. 12—Label Wiring 325798-101**

**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE  
150 V A LA TERRE



- NOTES:**
1. Use copper wire (75°C min) only between disconnect switch and unit.
  2. To be wired in accordance with N.E.C. and local codes.
  3. If any of the original wire, as supplied, must be replaced, use the same or equivalent type wire.
  4. Replace low voltage fuse with no greater than 5 amp fuse.
  5. Use 60 amp class K fuses only, for replacement.
  6. (3) speed motor shown. optional (2) speed motor uses HI (BLK) and LOW (BLU or RED).
  7. Connect R to R, G to G, etc., see outdoor instruction for details.
  8. If wire crimp is removed an emergency heat relay is required.  
(see outdoor-thermostat instructions)

324994-101 REV. A

- LEGEND**
- |     |                        |      |                       |
|-----|------------------------|------|-----------------------|
| CAP | CAPACITOR              | HTR  | HEATER                |
| COM | COMMON                 | LS   | LIMIT SWITCH          |
| F   | LOW VOLTAGE FUSE       |      | MARKED TERMINAL       |
| FU  | LINE FUSE              |      | PLUG & RECEPTACLE     |
| FM  | FAN MOTOR              | PCB  | PRINTED CIRCUIT BOARD |
| FR  | PCB FAN RELAY          | REC  | RECTIFIER             |
| GND | EQUIPMENT GROUND       | TDR  | TIME DELAY RECTIFIER  |
| SPT | FAN SPEED TAP LOCATION | TRAN | TRANSFORMER           |
|     |                        | ○    | UNMARKED TERMINAL     |

MINIMUM CFM / MOTOR SPEED SELECTION								
FAN COIL SIZE	018	024	030	036	042	048	060	070
MOTOR SPEED AT 24 KW	--	--	--	--	--	LO	LO	LO
MOTOR SPEED AT 30 KW	--	--	--	--	--	LO	LO	LO

**Fig. 13—Label Wiring 324994-101**

A00173

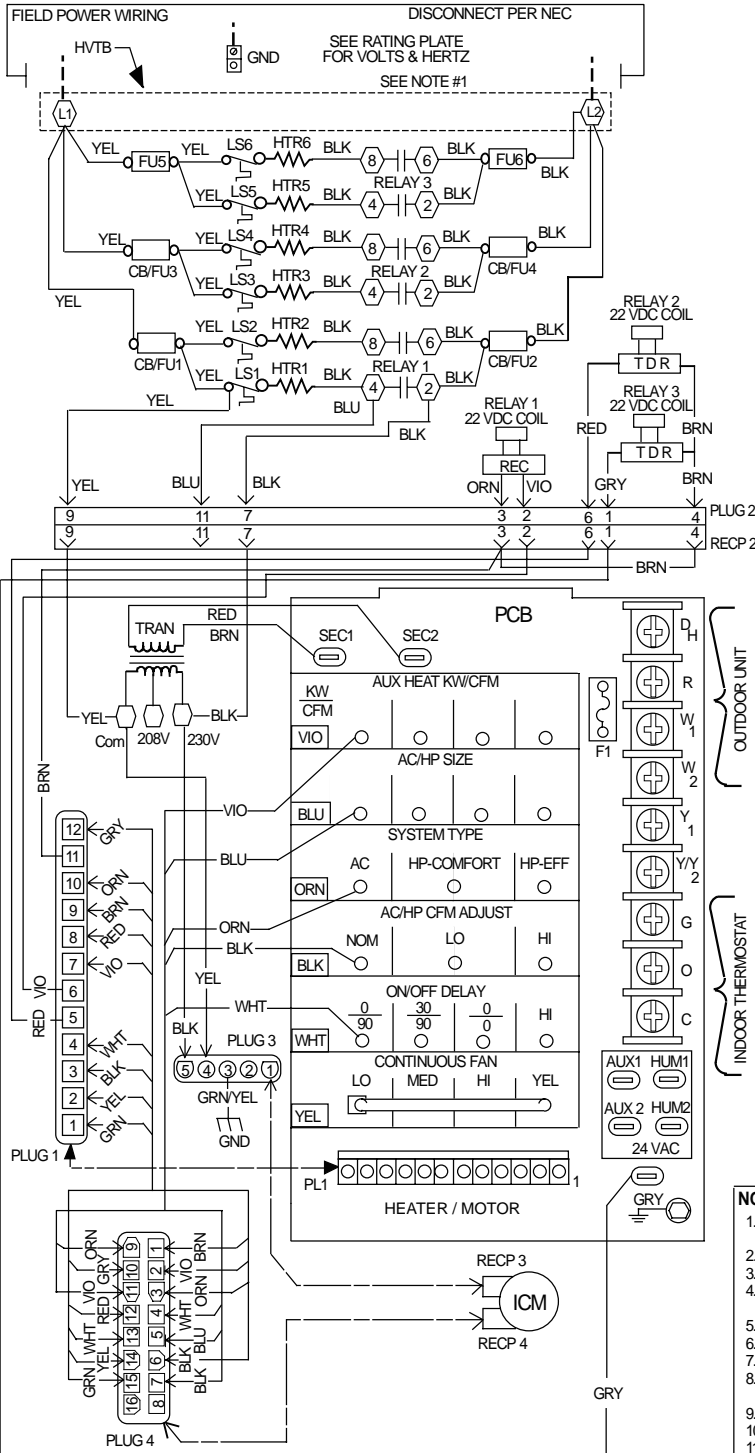
**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150  
V A LA TERRE

**30KW 1PH SCHEMATIC DIAGRAM**

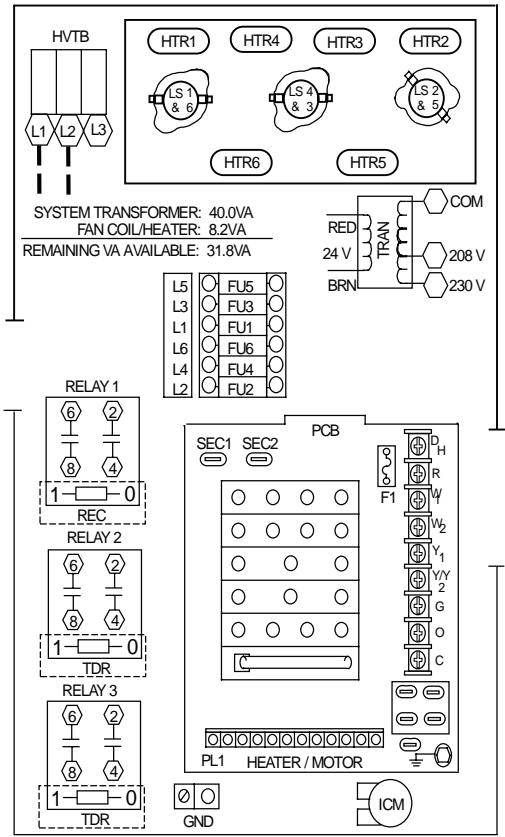


**LEGEND**

- COM COMMON
- F1 LOW VOLTAGE FUSE
- ICM FAN MOTOR
- FIELD POWER WIRING
- FU LINE FUSE
- GND EQUIPMENT GROUND
- HVTB HIGH VOLTAGE TERM BLOCK
- HTR HEATER
- REC RECTIFIER
- LS LIMIT SWITCH
- ⬢ MARKED TERMINAL
- ⊞ PLUG AND RECEPTACLE
- PCB PRINTED CIRCUIT BOARD
- TRANSFORMER
- RECP RECEPTACLE
- CB CIRCUIT BREAKER
- TDR TIME DELAY RECTIFIER

FIELD POWER WIRING		COOLING CONTROL ONLY			
9	11 7	3	2	6	1 4
208/240VAC		24VAC			
9	11 7	3	2	6	1 4
		PLUG 2			
		RECP 2			

**COMPONENT ARRANGEMENT**



- NOTES:**
- USE COPPER WIRE (75°C MIN) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
  - TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
  - TRANSFORMER PRIMARY LEADS, BLUE 208V, RED 230V.
  - IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
  - REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
  - 20KW HEATER USES ONE DOUBLE POLE LS ON MIDDLE TOP ELEMENT.
  - 18, 24 AND 30KW HEATERS USE DOUBLE POLE LIMIT SWITCHES.
  - LARGEST HEATERS ARE SHOWN, SMALLER HEATERS WILL HAVE FEWER ELEMENTS AND COMPONENTS.
  - 1 PHASE HEATERS ARE SHOWN WIRED FOR SINGLE SUPPLY CIRCUIT.
  - USE 60 AMP CLASS K FUSES ONLY, FOR REPLACEMENT.
  - CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.

324985-101 REV. C

**LABEL (2)**

**Fig. 14—Label Wiring 324985-101**

A00166

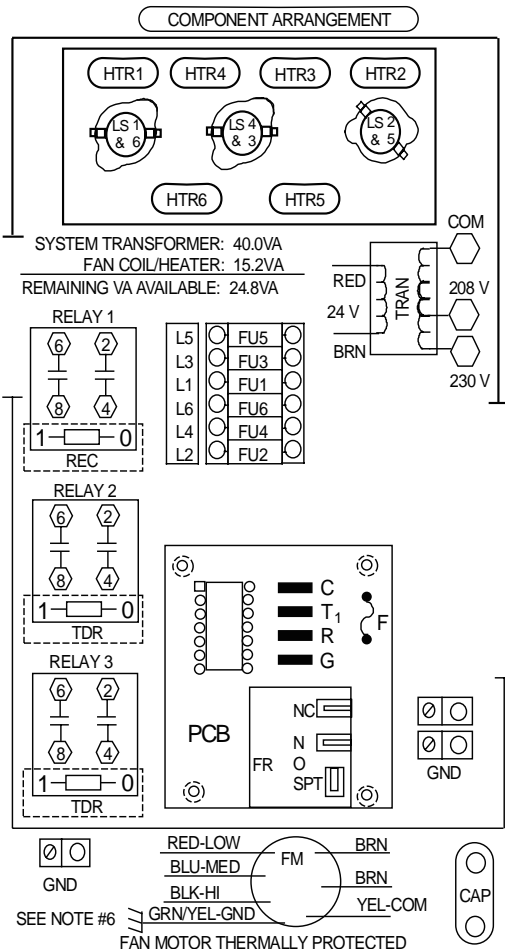
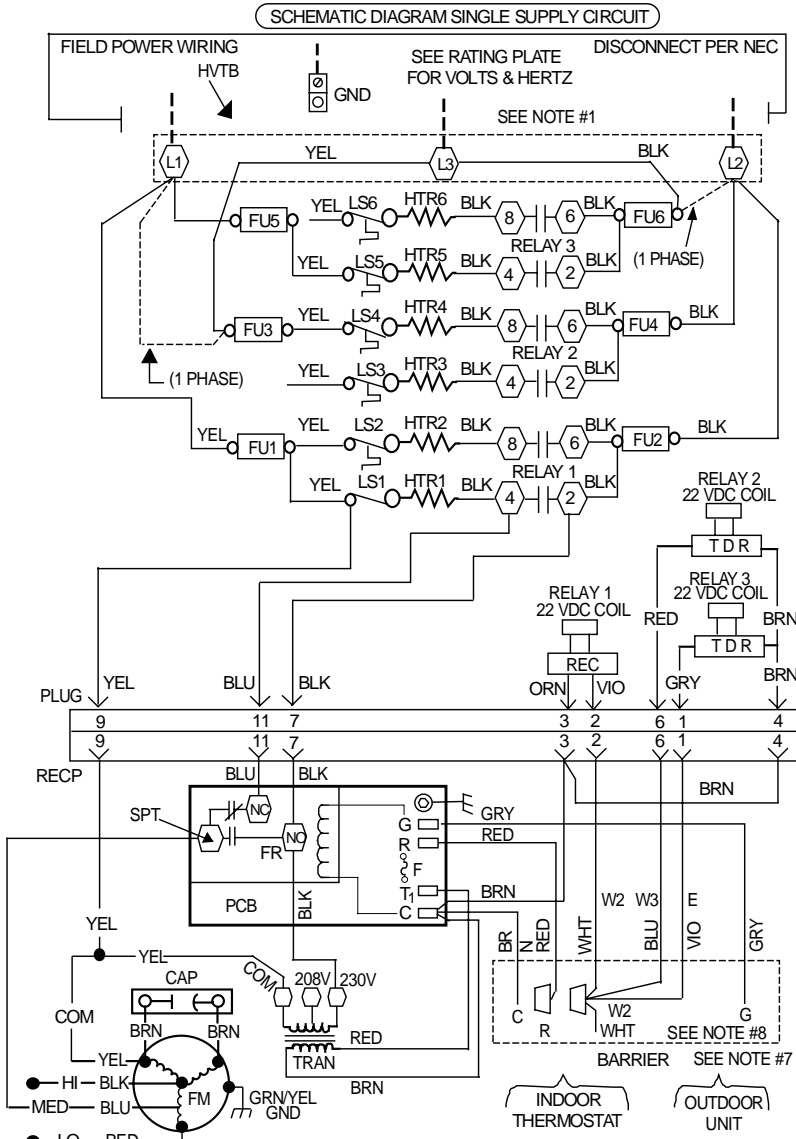


**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE  
150 V A LA TERRE



**NOTES:**

1. Use copper wire (75°C min) only between disconnect switch and unit.
2. To be wired in accordance with N.E.C. and local codes.
3. If any of the original wire, as supplied, must be replaced, use the same or equivalent type wire.
4. Replace low voltage fuse with no greater than 5 amp fuse.
5. Use 60 amp class K fuses only, for replacement.
6. (3) speed motor shown. optional (2) speed motor uses HI (BLK) and LOW (BLU or RED).
7. Connect R to R, G to G, etc., see outdoor instruction for details.
8. If wire crimp is removed an emergency heat relay is required. (see outdoor-thermostat instructions)

**LEGEND**

CAP	CAPACITOR	HTR	HEATER
COM	COMMON	LS	LIMIT SWITCH
F	LOW VOLTAGE FUSE	◻	MARKED TERMINAL
FU	LINE FUSE	→	PLUG & RECEPTACLE
FM	FAN MOTOR	PCB	PRINTED CIRCUIT BOARD
---	FIELD POWER WIRING	REC	RECTIFIER
FR	PCB FAN RELAY	TDR	TIME DELAY RECTIFIER
GND	EQUIPMENT GROUND	TRAN	TRANSFORMER
SPT	FAN SPEED TAP LOCATION	○	UNMARKED TERMINAL
HVTB	H 1 VOLTAGE TERMINAL BLOCK		

MINIMUM CFM/ MOTOR SPEED SELECTION							
FAN COIL SIZE	018	024	030	036	042	048	060 070
MOTOR SPEED AT 24 KW	--	--	--	--	--	LO	LO LO
MOTOR SPEED AT 30 KW	--	--	--	--	--	LO	LO LO

324993-101 REV. A

**Fig. 15—Label Wiring 324993-101**

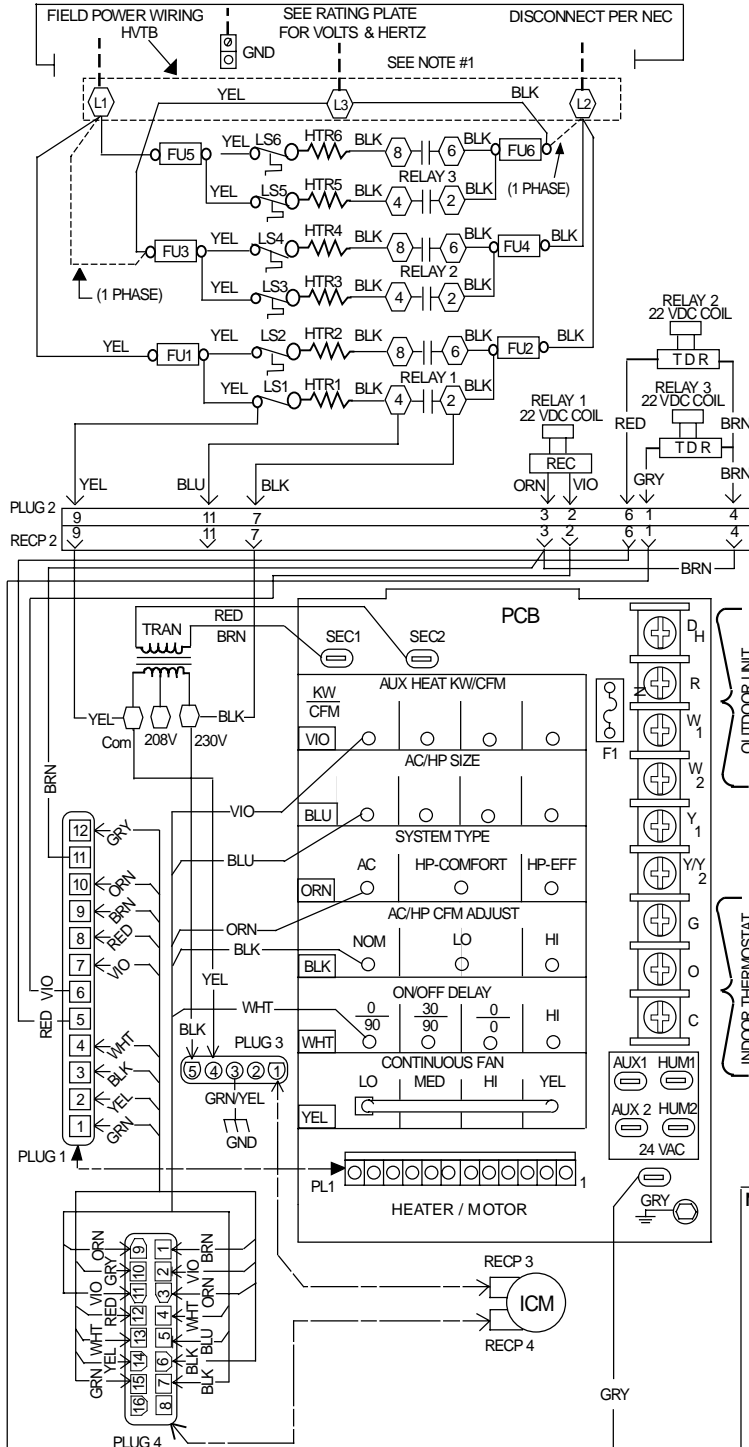
**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

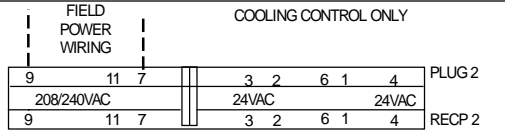
**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150  
V A LA TERRE

**SCHEMATIC DIAGRAM SINGLE SUPPLY CIRCUIT**

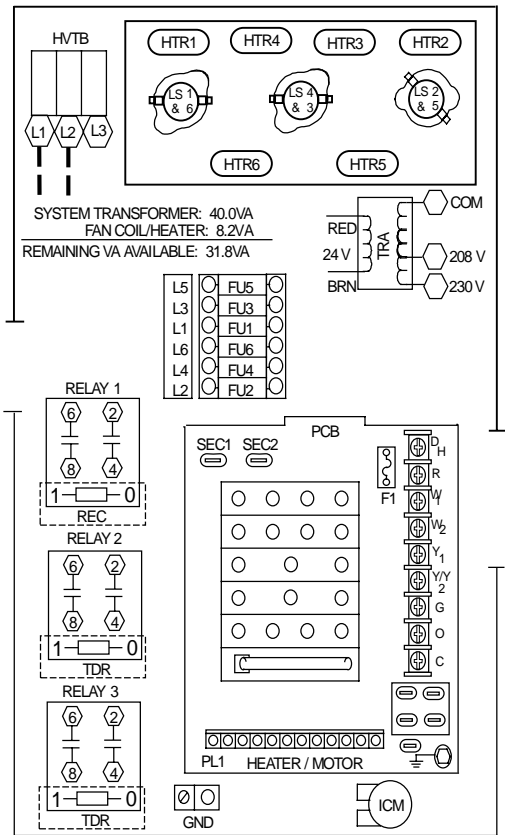


**LEGEND**

- |      |                         |      |                       |
|------|-------------------------|------|-----------------------|
| COM  | COMMON                  | LS   | LIMIT SWITCH          |
| F1   | LOW VOLTAGE FUSE        | ⬢    | MARKED TERMINAL       |
| ICM  | FAN MOTOR               | ⬢    | PLUG AND RECEPTACLE   |
| ---  | FIELD POWER WIRING      | PCB  | PRINTED CIRCUIT BOARD |
| FU   | LINE FUSE               | TRAN | TRANSFORMER           |
| GND  | EQUIPMENT GROUND        | RECP | RECEPTACLE            |
| HVTB | HIGH VOLTAGE TERM BLOCK | CB   | CIRCUIT BREAKER       |
| HTR  | HEATER                  | TDR  | TIME DELAY RECTIFIER  |
| REC  | RECTIFIER               |      |                       |



**COMPONENT ARRANGEMENT**



**NOTES:**

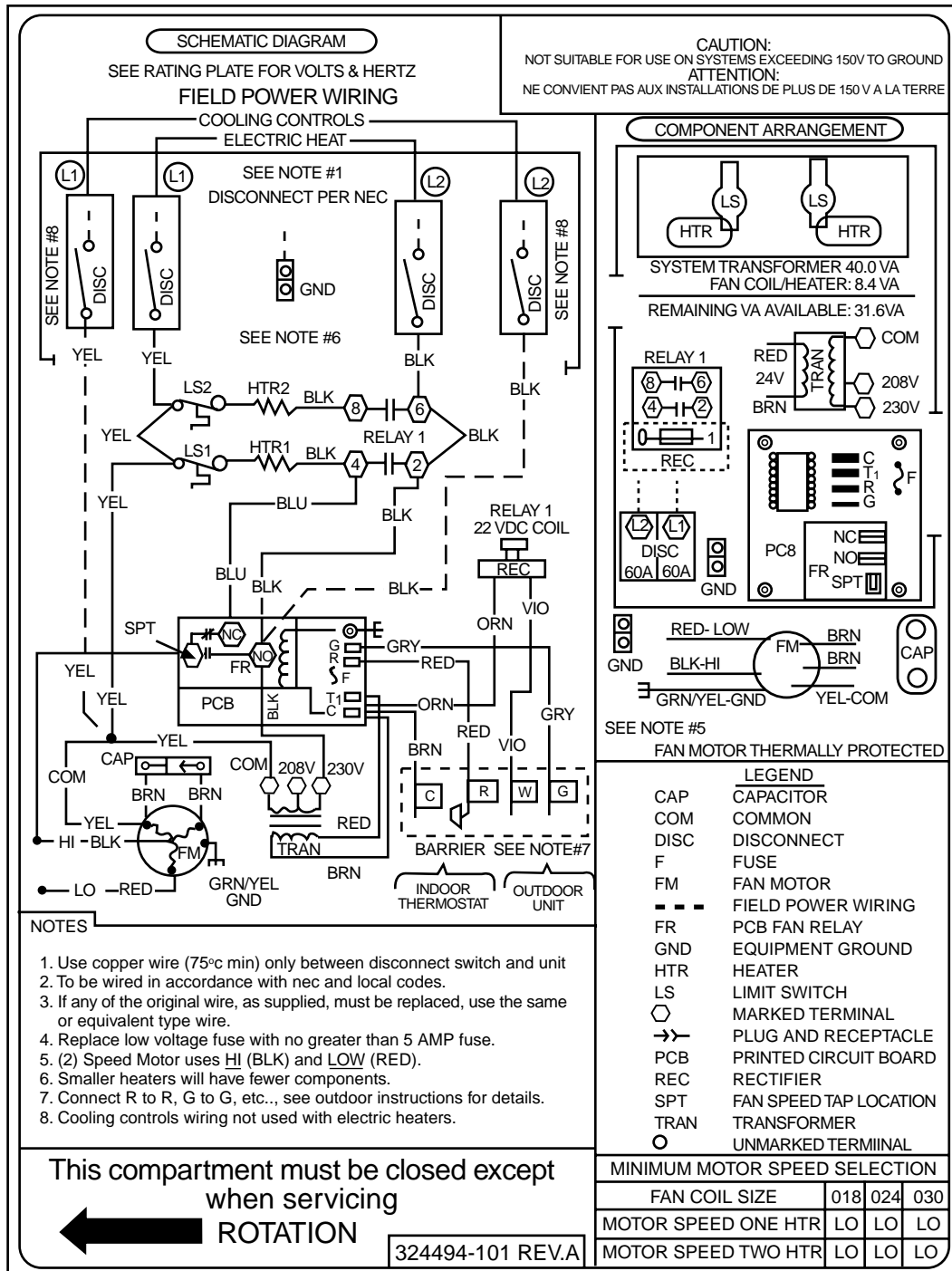
1. USE COPPER WIRE (75°C MIN) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
3. TRANSFORMER PRIMARY LEADS, BLUE 208V, RED 230V.
4. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
5. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
6. 20KW HEATER USES ONE DOUBLE POLE LS ON MIDDLE TOP ELEMENT.
7. 18, 24 AND 30KW HEATERS USE DOUBLE POLE LIMIT SWITCHES.
8. LARGEST HEATERS ARE SHOWN, SMALLER HEATERS WILL HAVE FEWER ELEMENTS AND COMPONENTS.
9. 1 PHASE HEATERS ARE SHOWN WIRED FOR SINGLE SUPPLY CIRCUIT. USE 60 AMP CLASS K FUSES ONLY, FOR REPLACEMENT.
10. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.

326114-101 REV. B

**LABEL (2) 3 PHASE**

**Fig. 16—Label Wiring 326114-101**

A00185



**Fig. 17—Label Wiring 324994-101**

**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

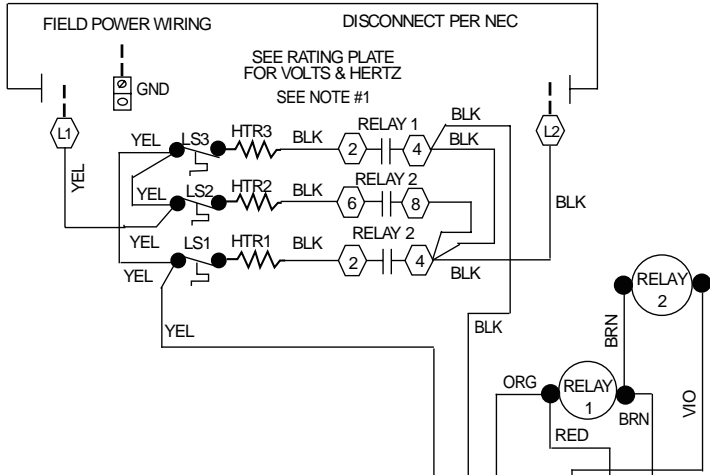
**CAUTION:**

NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

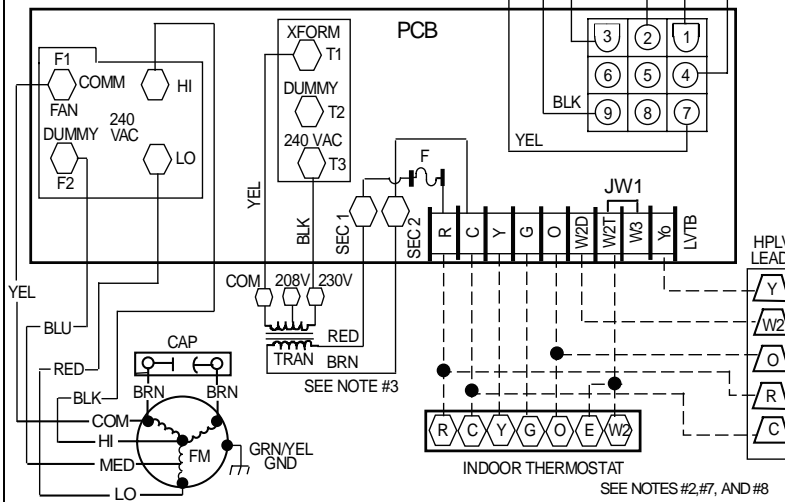
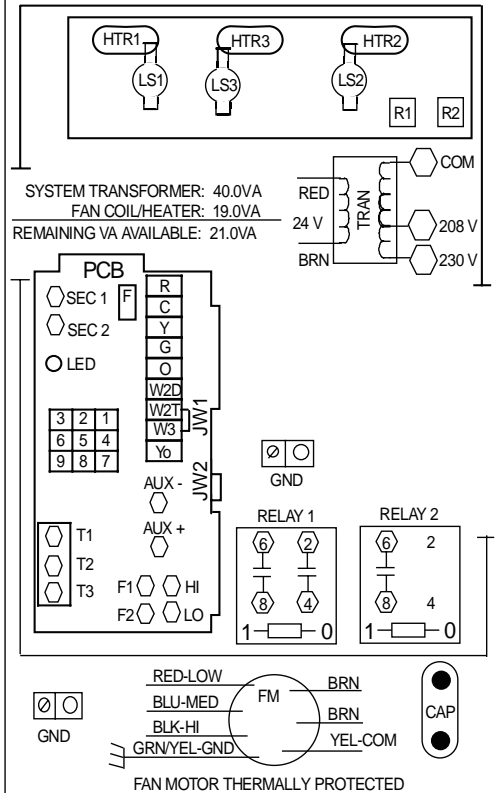
**ATTENTION:**

NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150  
V A LA TERRE

**SCHEMATIC DIAGRAM**



**COMPONENT ARRANGEMENT**



**NOTES:**

1. Use copper wire (75°C min) only between disconnect switch and unit
2. Connect low voltage wiring as shown (24VAC).
3. Connect transformer primary to the proper voltage terminal
4. To be wired in accordance with N.E.C. and local codes.
5. If any of the original wire, as supplied, must be replaced, use the same or equivalent type wire.
6. Replace low voltage fuse with no greater than 5 amp fuse.
7. Refer to thermostat instructions for "E" jumper installation.
8. Do NOT connect thermostat "E" to PCB "W3".

**LEGEND**

- |      |                    |       |                    |
|------|--------------------|-------|--------------------|
| CAP  | CAPACITOR          | LED   | DIAGNOSTIC LIGHT   |
| COMM | COMMON             | LVTB  | LOW VOLT TERM BRD  |
| F    | LOW VOLT FUSE      | R     | RELAY              |
| FW   | FAN MOTOR          | TRAN  | TRANSFORMER        |
| GND  | EQUIPMENT GROUND   | XFORM | PCB TRAN TERMINALS |
| HPLV | HEAT PUMP LOW VOLT | ---   | FIELD HIGH VOLTAGE |
| HTR  | HEATER             | ---   | FIELD LOW VOLTAGE  |
| LS   | LIMIT SWITCH       | △     | HPLV LEADS         |
|      |                    | □     | MARKED TERMINAL    |
|      |                    | ○     | PCB JUMPER (JW)    |
|      |                    | ●     | UNMARKED TERMINAL  |

MINIMUM MOTOR LO SPEED TAP SELECTION						
FAN COIL SIZE	018-240V	018-208V	024	030	033	036
MOTOR SPEED AT 10 KW	MED	HI	LO	LO	LO	LO

324986-101  
REV. A

**LED FLASH CODES**

NO LIGHT OR FLASH	NO POWER OR BOARD FAILURE
STEADY LIGHT	BOARD FAILURE
STEADY FLASH	STAND BY CONDITION OR FAN ONLY
1 FLASH	HEAT PUMP HEAT ONLY OPERATING
2 FLASHES	HEAT PUMP PLUS 1 RELAY
3 FLASHES	HEAT PUMP PLUS 2 RELAYS
4 FLASHES	HEAT PUMP PLUS 3 RELAYS
5 FLASHES	COOL MODE
6 FLASHES	DEFROST MODE
7 FLASHES	EMERGENCY HEAT MODE

A00167

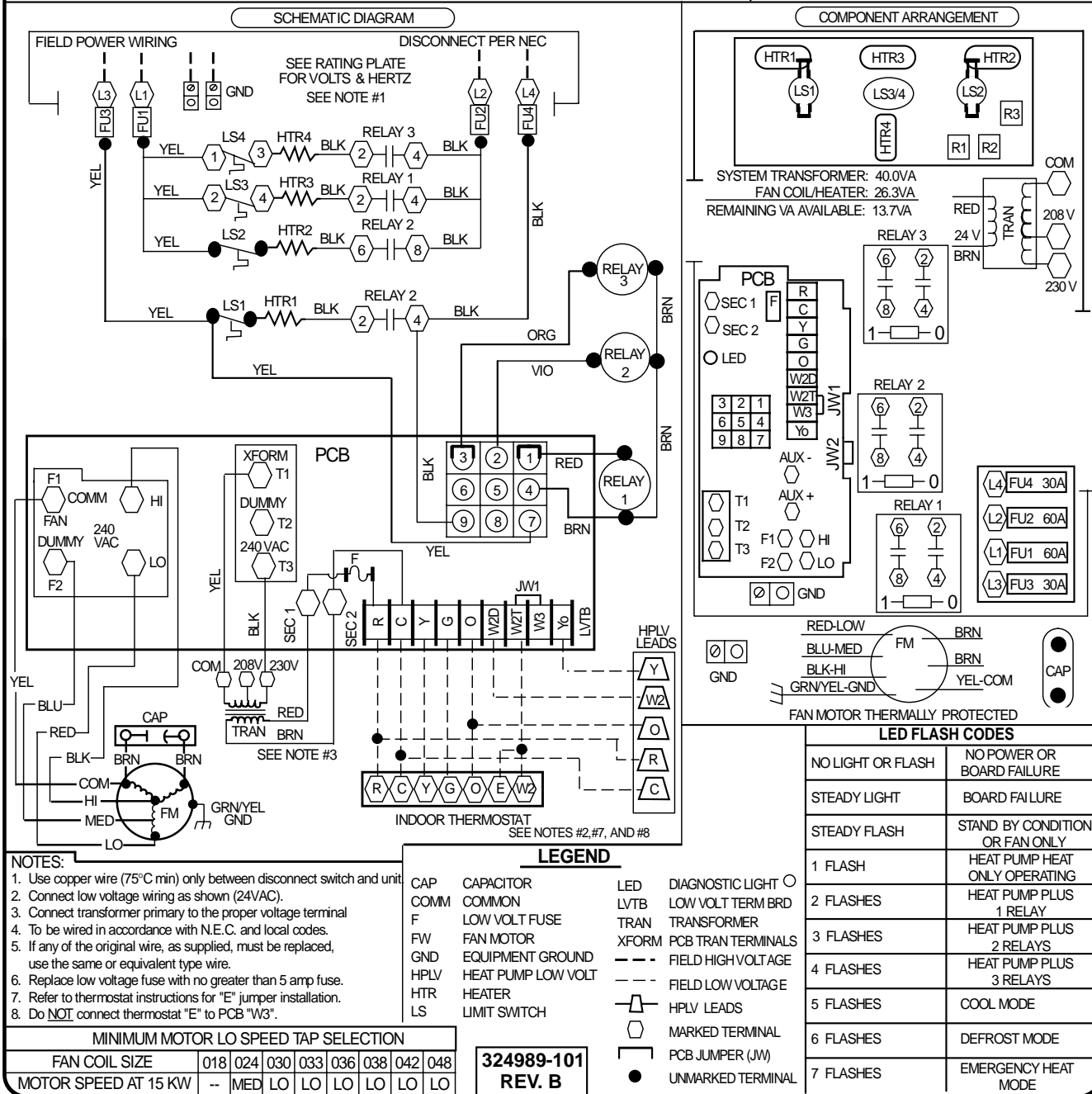
**Fig. 18—Label Wiring 324986-101**

**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150 V A LA TERRE



**Fig. 19—Label Wiring 324989-101**

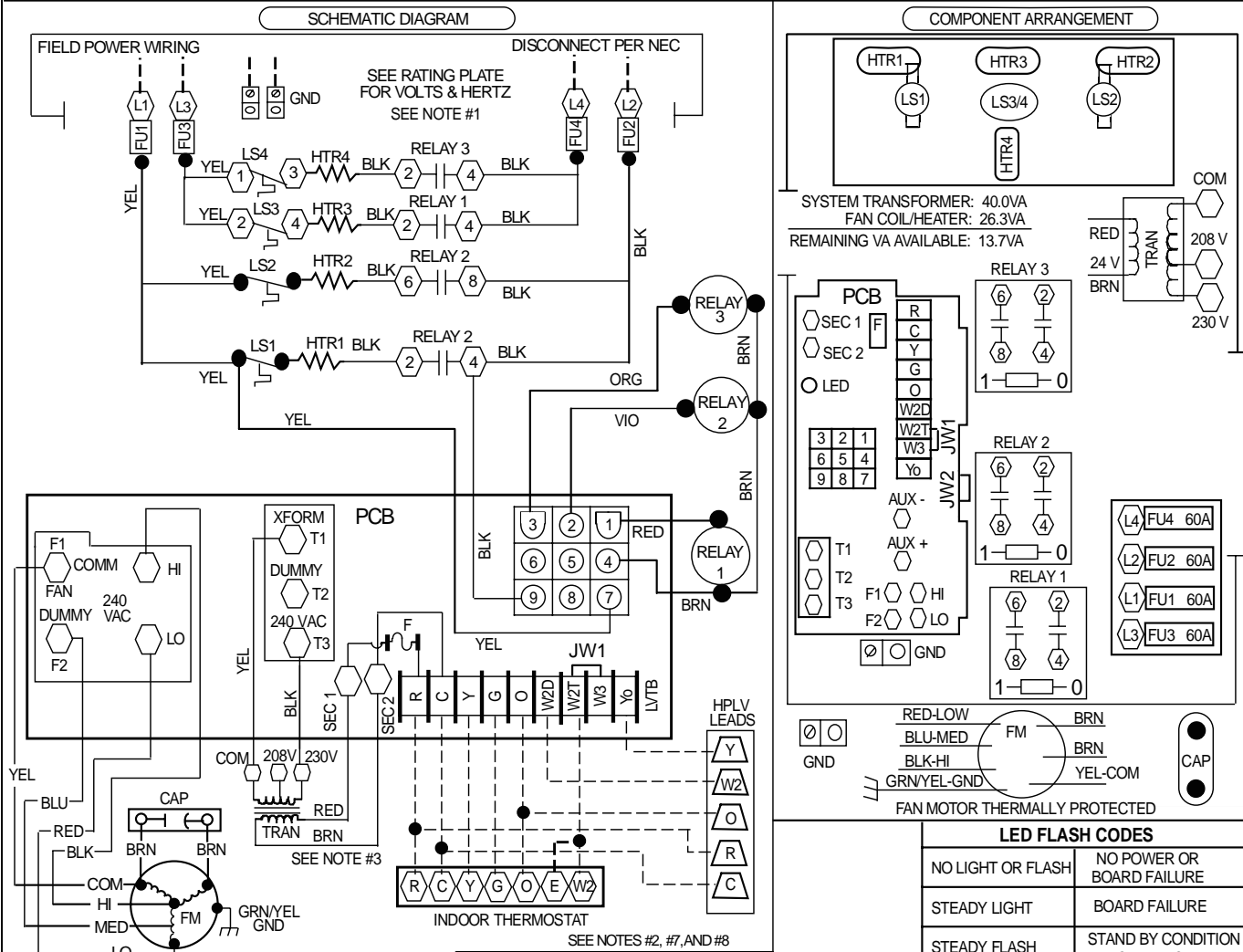
A00169

**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING  
150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150  
V A LA TERRE



**NOTES:**

1. Use copper wire (75°C min) only between disconnect switch and unit.
2. Connect low voltage wiring as shown (24VAC).
3. Connect transformer primary to the proper voltage terminal
4. To be wired in accordance with N.E.C. and local codes.
5. If any of the original wire, as supplied, must be replaced, use the same or equivalent type wire.
6. Replace low voltage fuse with no greater than 5 amp fuse.
7. Refer to thermostat instructions for "E" jumper installation.
8. Do **NOT** connect thermostat "E" to PCB "W3".

**LEGEND**

CAP	CAPACITOR	LED	DIAGNOSTIC LIGHT
COMM	COMMON	LVTB	LOW VOLT TERM BRD
F	LOW VOLT FUSE	TRAN	TRANSFORMER
FW	FAN MOTOR	XFORM	PCB TRAN TERMINALS
GND	EQUIPMENT GROUND	---	FIELD HIGH VOLTAGE
HPLV	HEAT PUMP LOW VOLT	---	FIELD LOW VOLTAGE
HTR	HEATER		HPLV LEADS
LS	LIMIT SWITCH		MARKED TERMINAL
			PCB JUMPER (JW)
			UNMARKED TERMINAL

MINIMUM MOTOR LO SPEED TAP SELECTION								
FAN COIL SIZE	030	033	036	038	042	048	060	070
MOTOR SPEED AT 20 KW	MED	MED	LO	LO	LO	LO	LO	LO

324991-101  
REV. A

**LED FLASH CODES**

NO LIGHT OR FLASH	NO POWER OR BOARD FAILURE
STEADY LIGHT	BOARD FAILURE
STEADY FLASH	STAND BY CONDITION OR FAN ONLY
1 FLASH	HEAT PUMP HEAT ONLY OPERATING
2 FLASHES	HEAT PUMP PLUS 1 RELAY
3 FLASHES	HEAT PUMP PLUS 2 RELAYS
4 FLASHES	HEAT PUMP PLUS 3 RELAYS
5 FLASHES	COOL MODE
6 FLASHES	DEFROST MODE
7 FLASHES	EMERGENCY HEAT MODE

A00171

**Fig. 20—Label Wiring 324991-101**

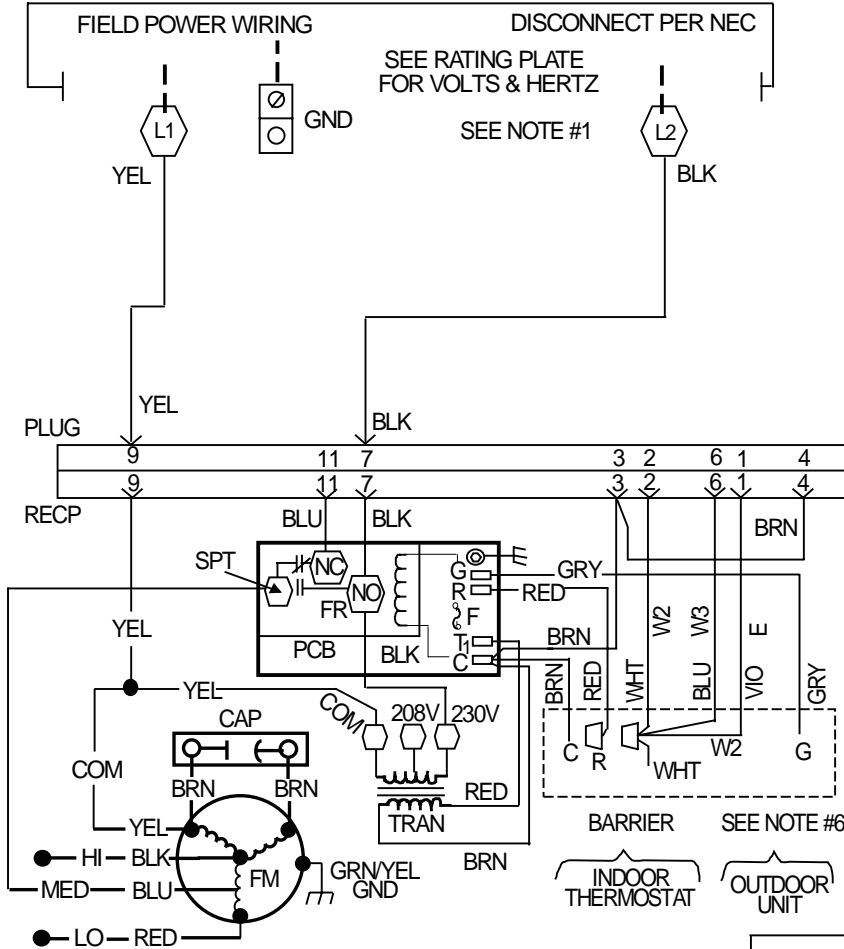
**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR  
ROTATION**

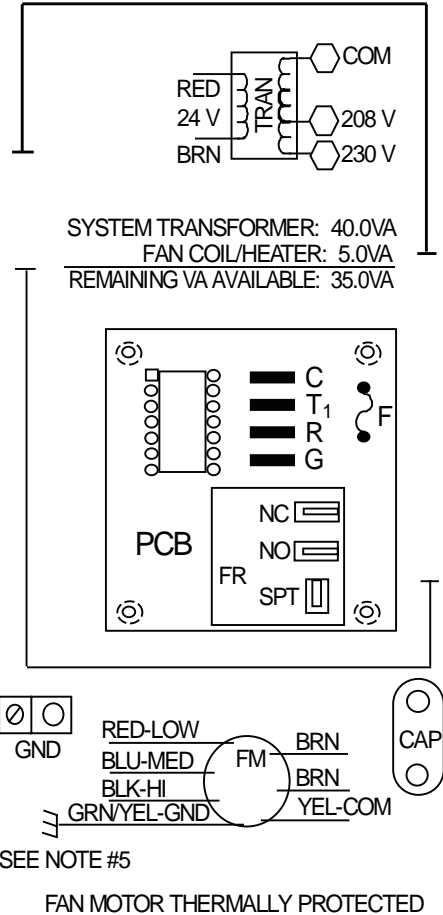
**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150 V A LA TERRE

**SCHEMATIC DIAGRAM**



**COMPONENT ARRANGEMENT**



SYSTEM TRANSFORMER: 40.0VA  
FAN COIL/HEATER: 5.0VA  
REMAINING VA AVAILABLE: 35.0VA

**NOTES:**

1. USE COPPER WIRE (75°C MIN.) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
3. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
4. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
5. (3) SPEED MOTOR SHOWN. OPTIONAL (2) SPEED MOTOR USES HI (BLK) AND LOW (BLU OR RED).
6. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.

**LEGEND**

CAP	CAPACITOR	HTR	HEATER
COM	COMMON	LS	LIMIT SWITCH
F	LOW VOLTAGE FUSE	□	MARKED TERMINAL
FM	FAN MOTOR	→	PLUG AND
---	FIELD POWER WIRING	PCB	RECEPTACLE
FR	PCB FAN RELAY		BOARD
FU	LINE FUSE		SEQUENCER
GND	EQUIPMENT GROUND		SEQUENCER
SPT	FAN SPEED TAP LOCATION	TRAN	TRANSFORMER
		○	UNMARKED TERMINAL

**321210-101 REV. G**

A00162

**Fig. 21—Label Wiring 321210-101**

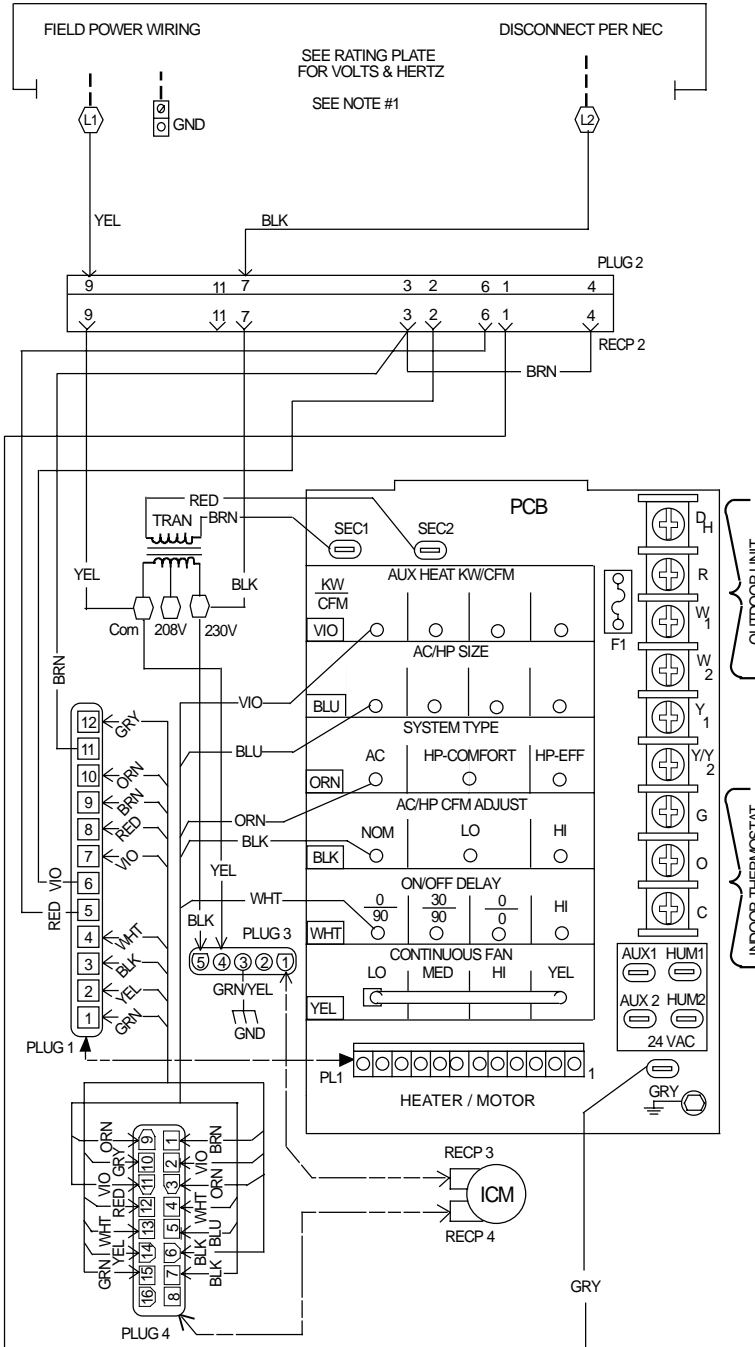
**THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING**

**BLOWER MOTOR ROTATION**

**CAUTION:**  
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V TO GROUND

**ATTENTION:**  
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150 V A LA TERRE

**20KW 1PH SCHEMATIC DIAGRAM**

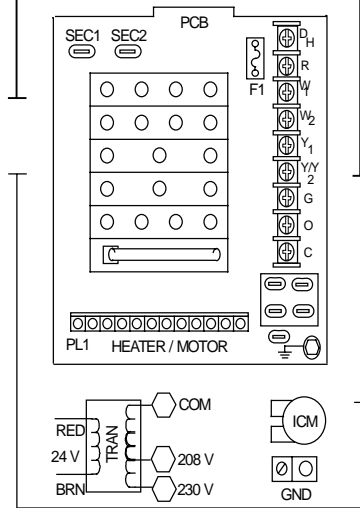


326014-101 REV. B

**LEGEND**

---	FIELD POWER WIRING	HVTB	HIGH VOLTAGE TERM BLOCK
○	MARKED TERMINAL	ICM	FAN MOTOR
→	PLUG AND RECEPTACLE	LS	LIMIT SWITCH
CB	CIRCUIT BREAKER	PCB	PRINTED CIRCUIT BOARD
COM	COMMON	R	RELAY
F1	LOW VOLTAGE FUSE	REC	RECTIFIER
FU	LINE FUSE	RECP	RECEPTACLE
GND	EQUIPMENT GROUND	TDR	TIME DELAY RECTIFIER
HTR	HEATER	TRAN	TRANSFORMER

**COMPONENT ARRANGEMENT**



**NOTES:**

1. USE COPPER WIRE (75°C MIN) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
3. TRANSFORMER PRIMARY LEADS, BLUE 208V, RED 230V.
4. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
5. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
6. DUAL CIRCUIT WIRING SHOWN.
7. USE 60 AMP CLASS K FUSES ONLY, FOR REPLACEMENT.
8. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.

**Fig. 22—Label Wiring 326014-101**

A00184