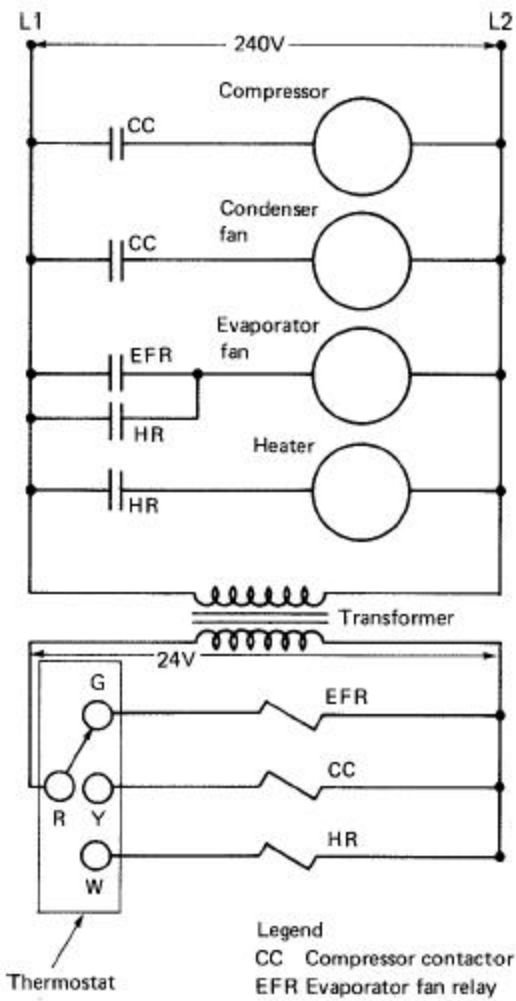


Figure 2-3 Ladder diagram for a heat and cool installation.

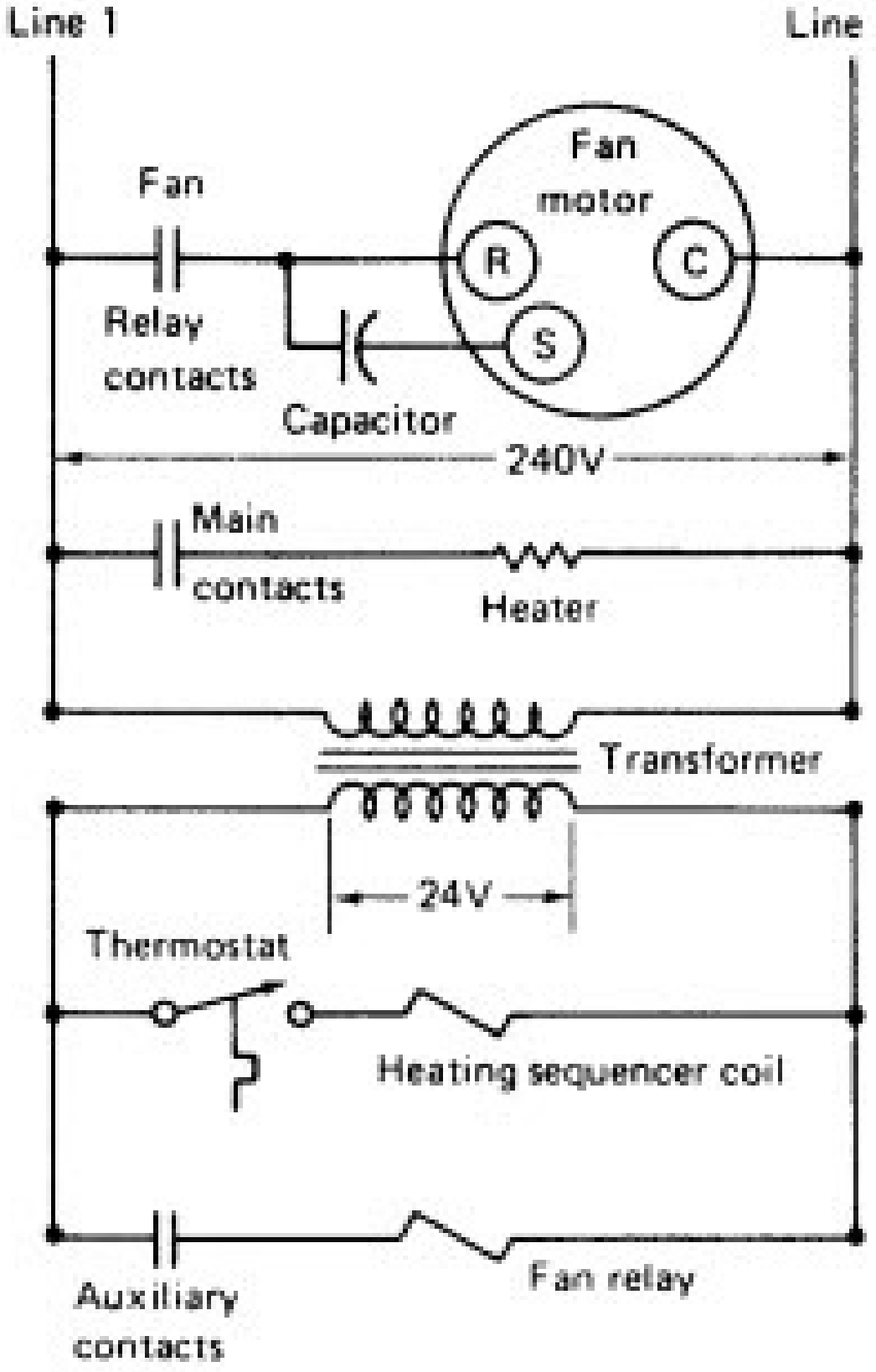


FIGURE 13.2 Ladder diagram for a hot-air furnace.

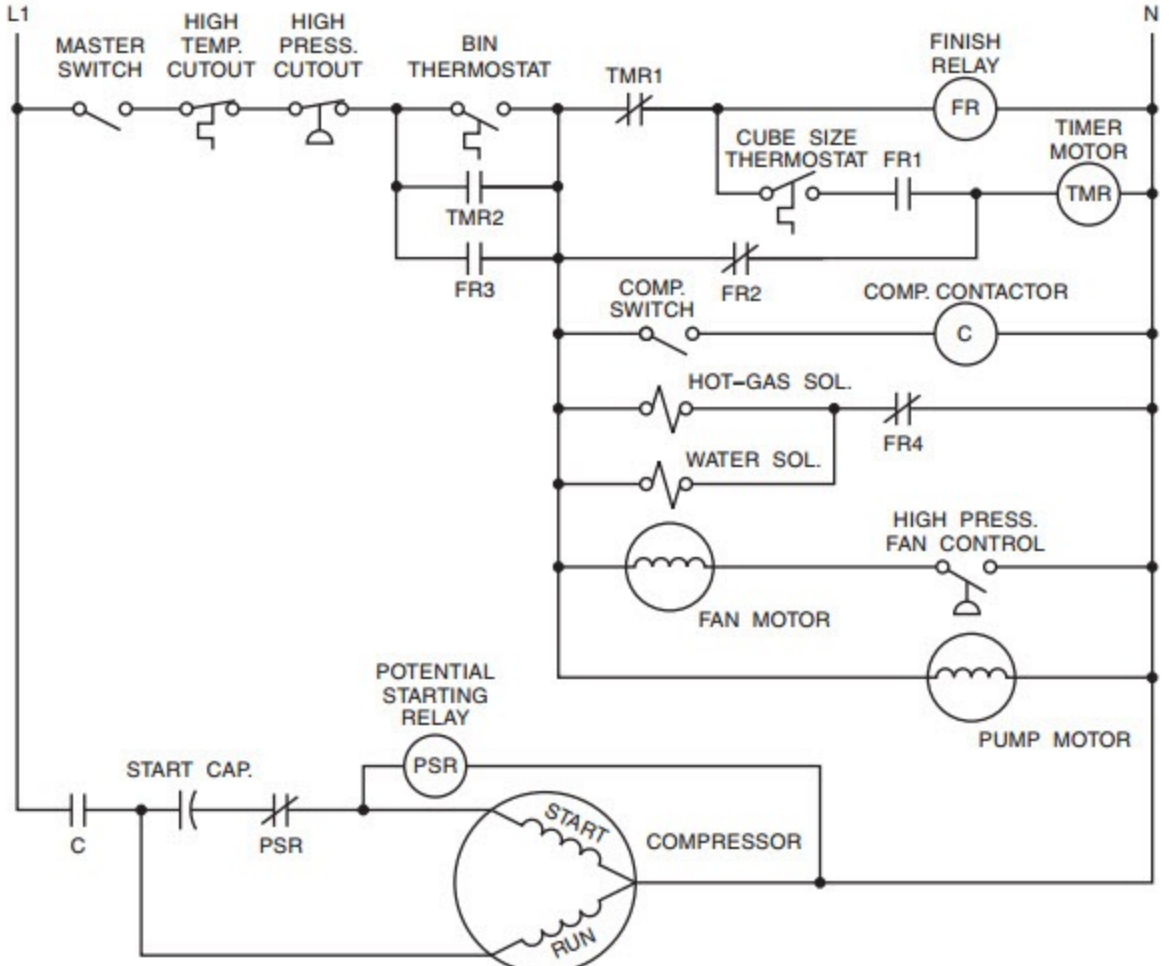


Figure 46–3
Basic schematic diagram of a commercial ice cube maker. (Source: Delmar/Cengage Learning)

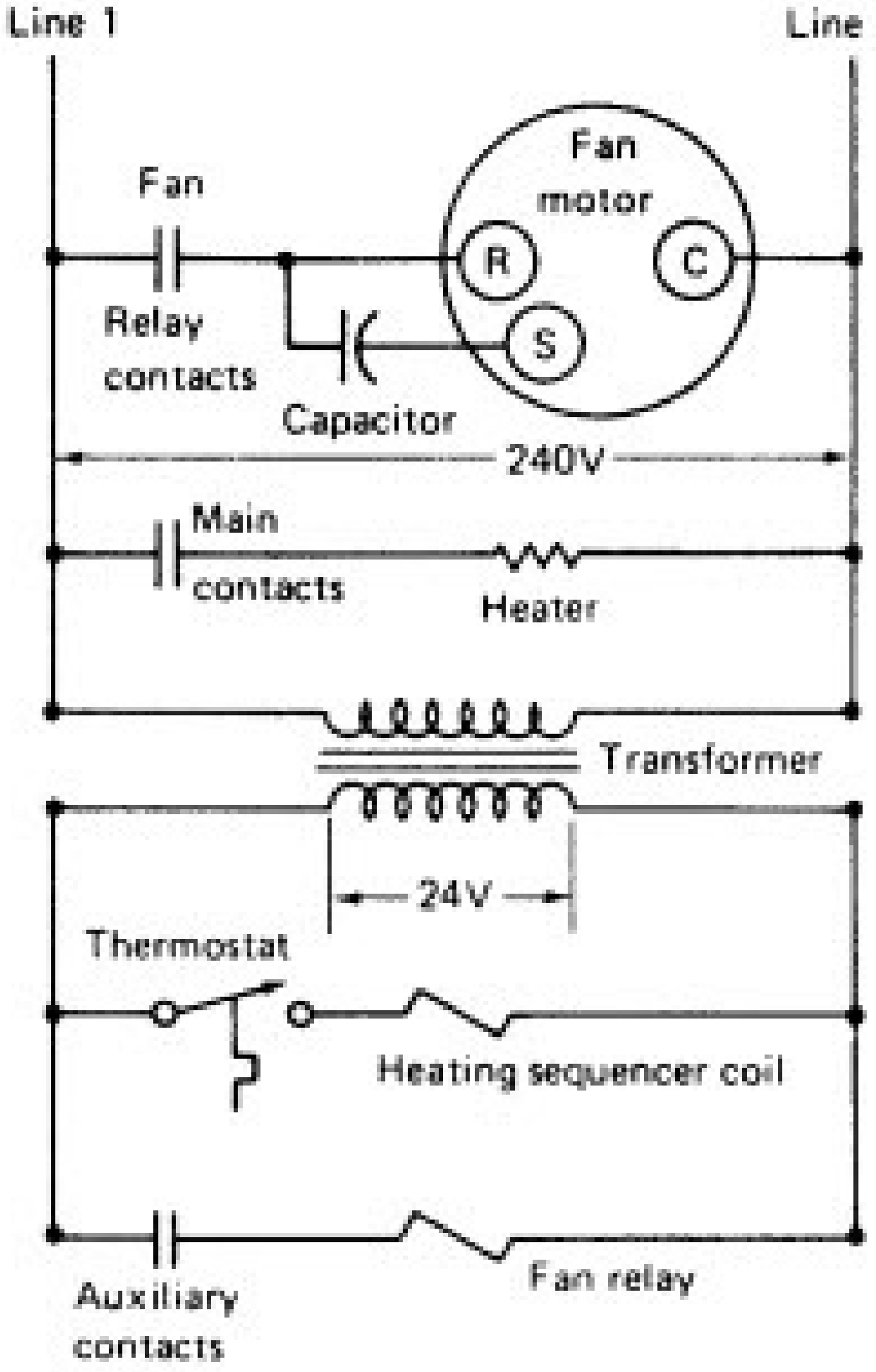
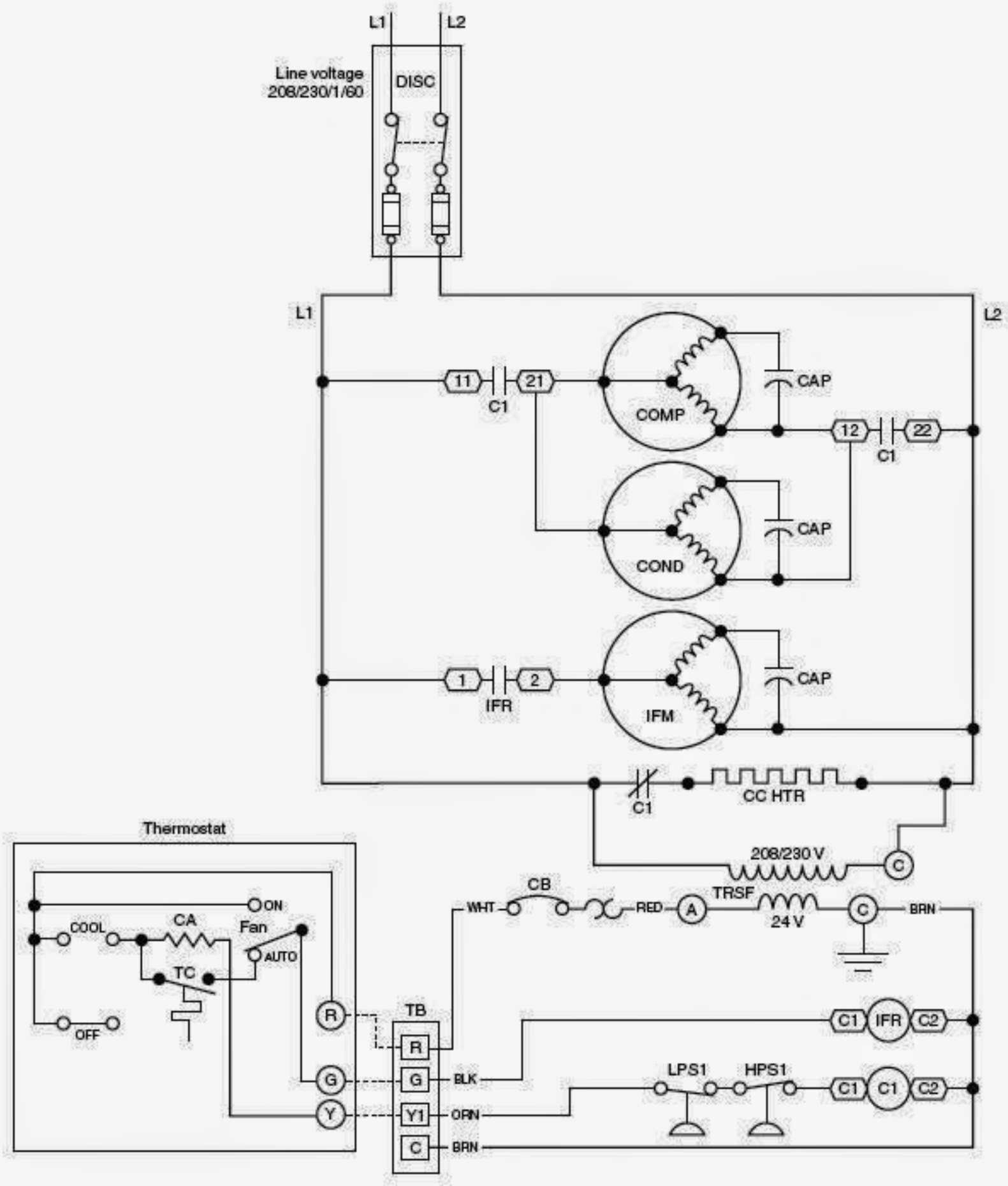
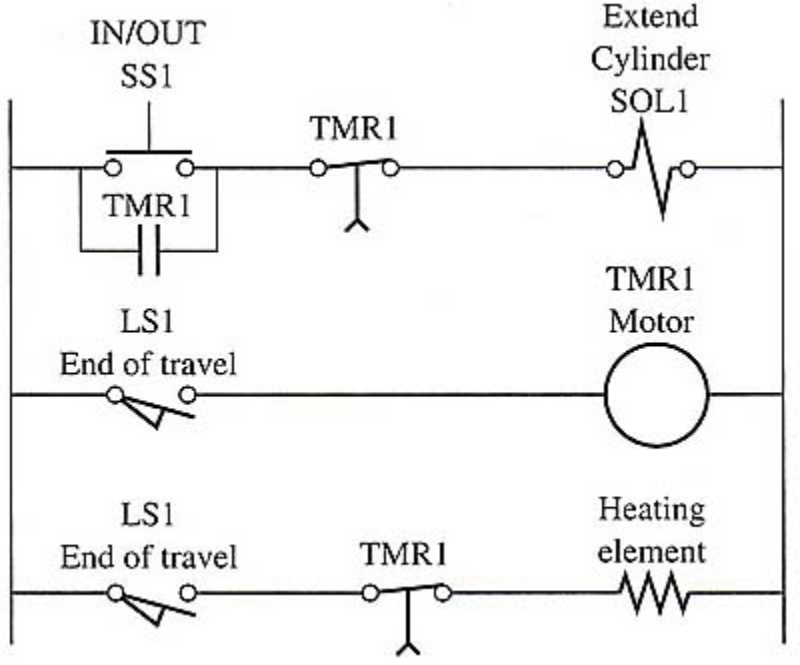


FIGURE 13.2 Ladder diagram for a hot-air furnace.


L1
L2
Line voltage
208/230/1/60
DISC
L1
L2
11
21
C1
COMP
CAP
12
22
C1
COND
CAP
1
2
IFR
IFM
CAP
C1
CC HTR
208/230 V
C
Thermostat
ON
COOL
CA
Fan
AUTO
TC
OFF
R
G
Y
TB
R
G
Y1
C
CB
WHT
RED
A
TRSF
24 V
C
BRN
BLK
ORN
BRN
C1
IFR
C2
LPS1
HPS1
C1
C1
C2

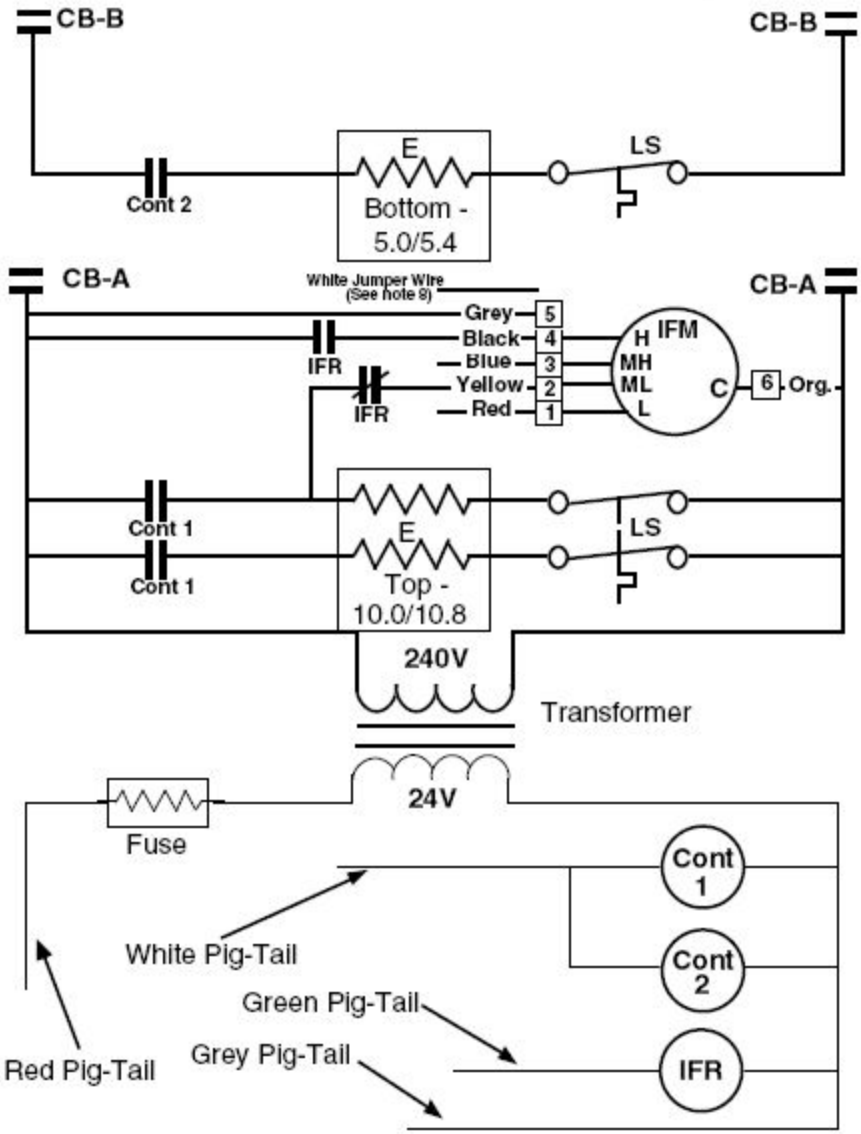

IN/OUT
SS1
TMR1
TMR1
Extend
Cylinder
SOL1
LS1
End of travel
TMR1
Motor
LS1
End of travel
TMR1
Heating
element

WIRING DIAGRAM

Models: E3EB-015H, 017H

⚠ WARNING

Switch circuit breakers to the "off" position before servicing the furnace.



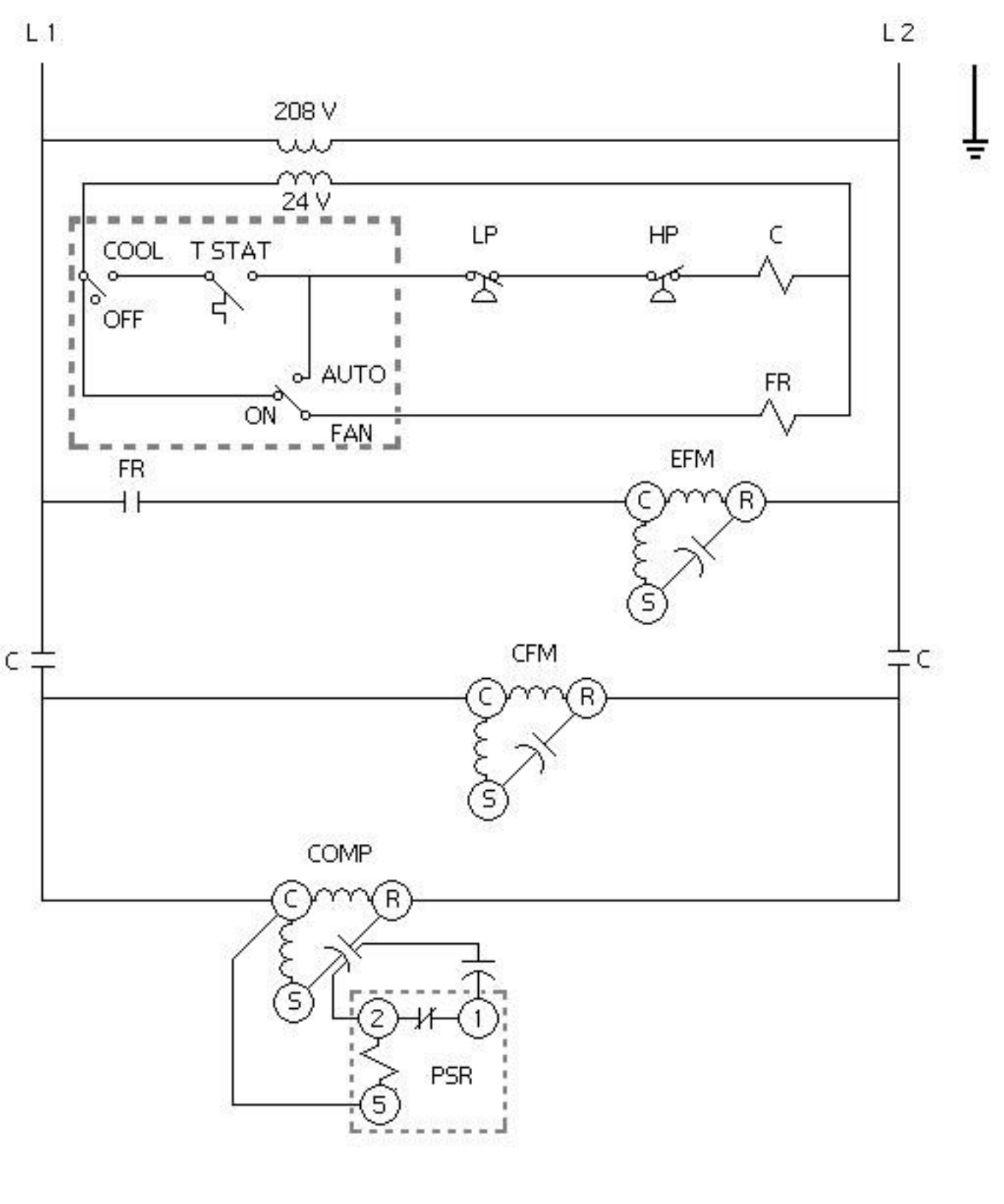
Notes :

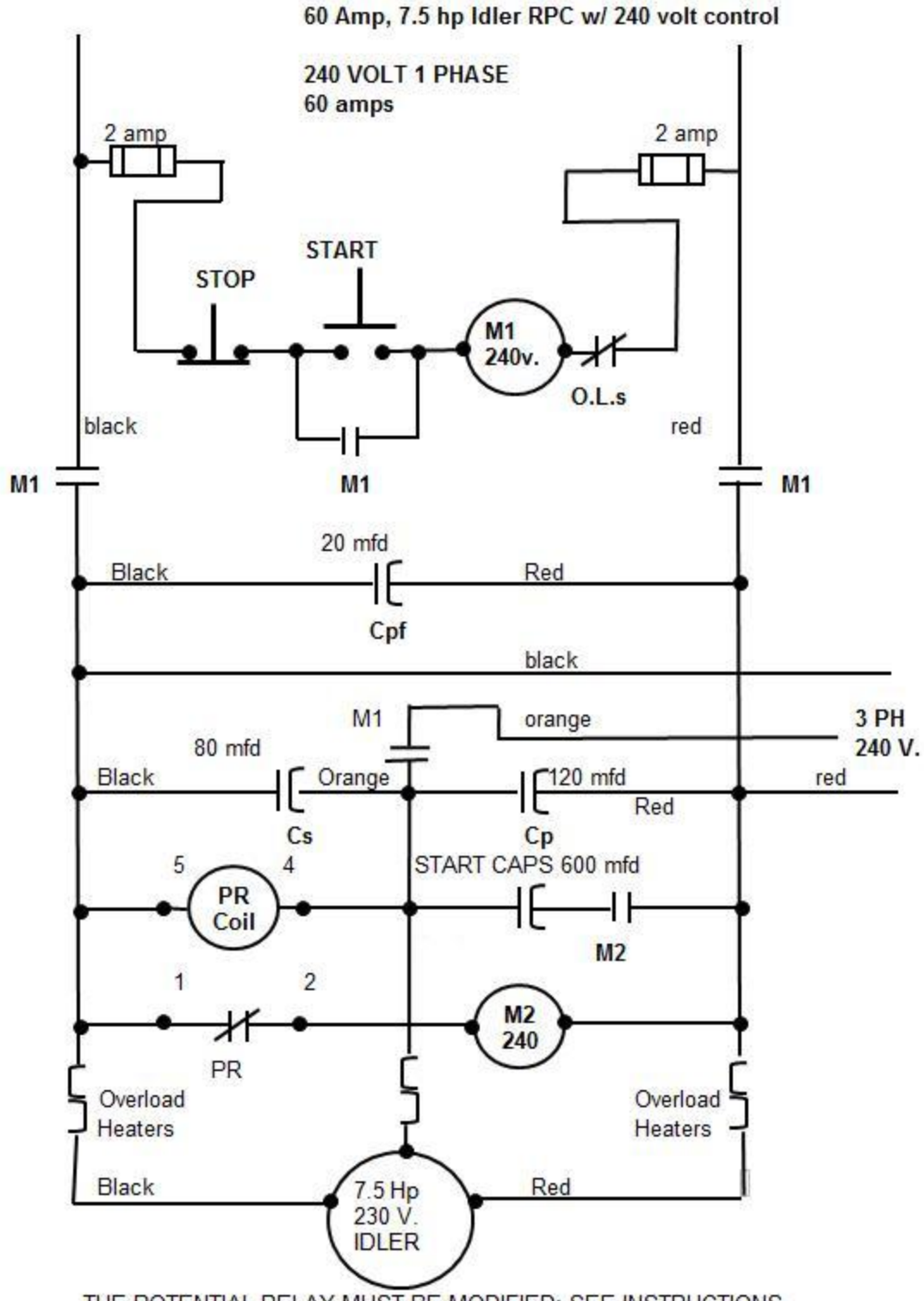
1) See unit data label for recommended supply wire sizes.
2) Thermostat anticipator setting : 0.40 Amps
3) To change blower speed on units without a relay box installed refer to installation instructions
4) Refer to furnace and/or relay box installation instructions for thermostat connections.
5) If any wire in this unit is to be replaced it must be replaced with 105˚C thermoplastic copper wire of the same gauge.
6) Not suitable for use on systems exceeding 120V to ground.
7) Refer to Installation Instructions for complete wiring diagram.
8) Heating and cooling may be wired on the same speed using either a relay box or the provided jumper wire.

Legend:

IFM = Fan Motor
CB = Circuit Breaker
E = Heater Element
Cont = Contactor
IFR = Fan Relay
LS = Limit Switch
□ = Fan Plug

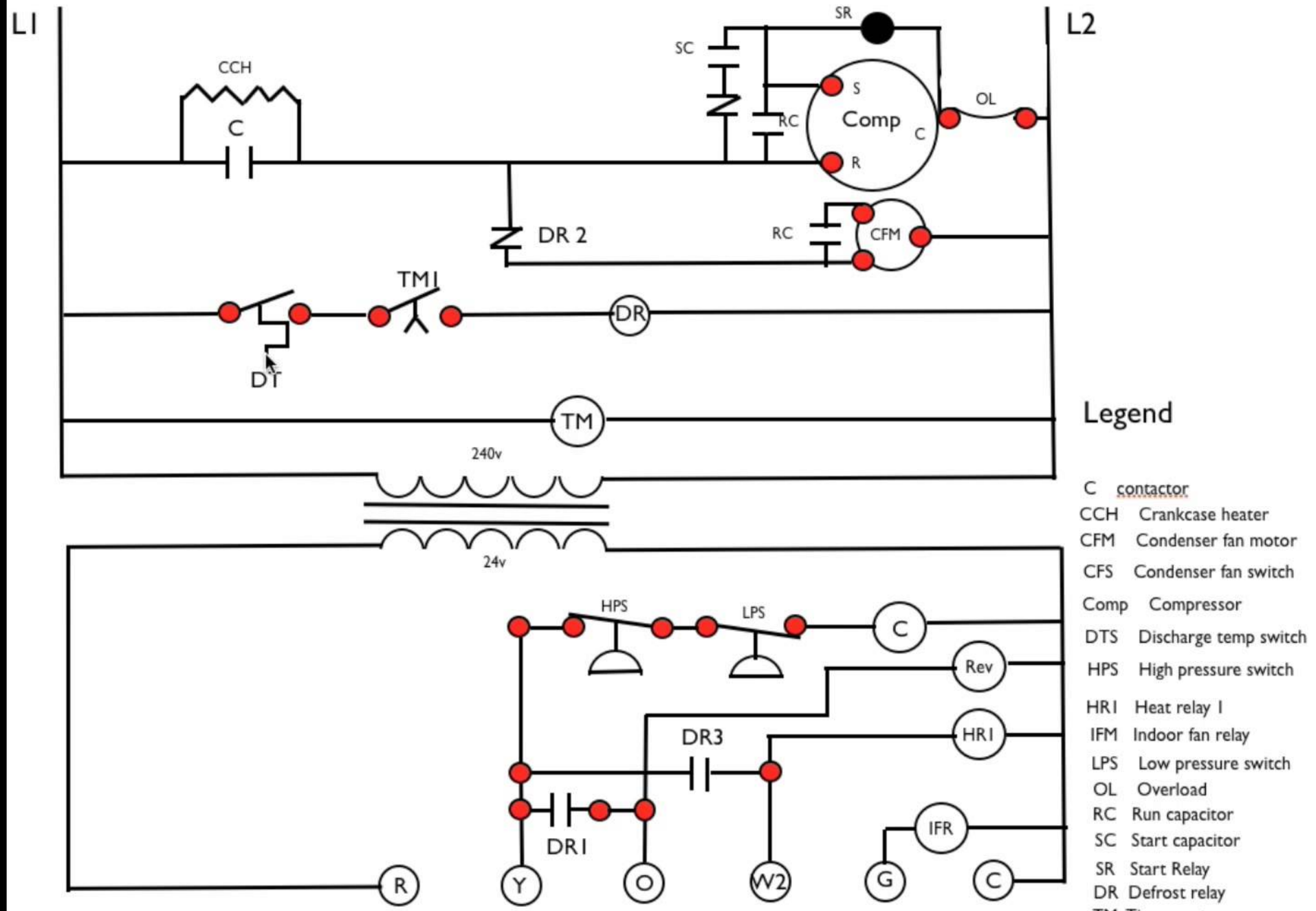
710386A(Replaces 7103860)


L 1
L 2
208 V
24 V
COOL
T STAT
OFF
LP
HP
C
AUTO
ON
FAN
FR
FR
EFM
C
R
S
C
CFM
C
R
S
C
COMP
C
R
S
2
1
PSR
S



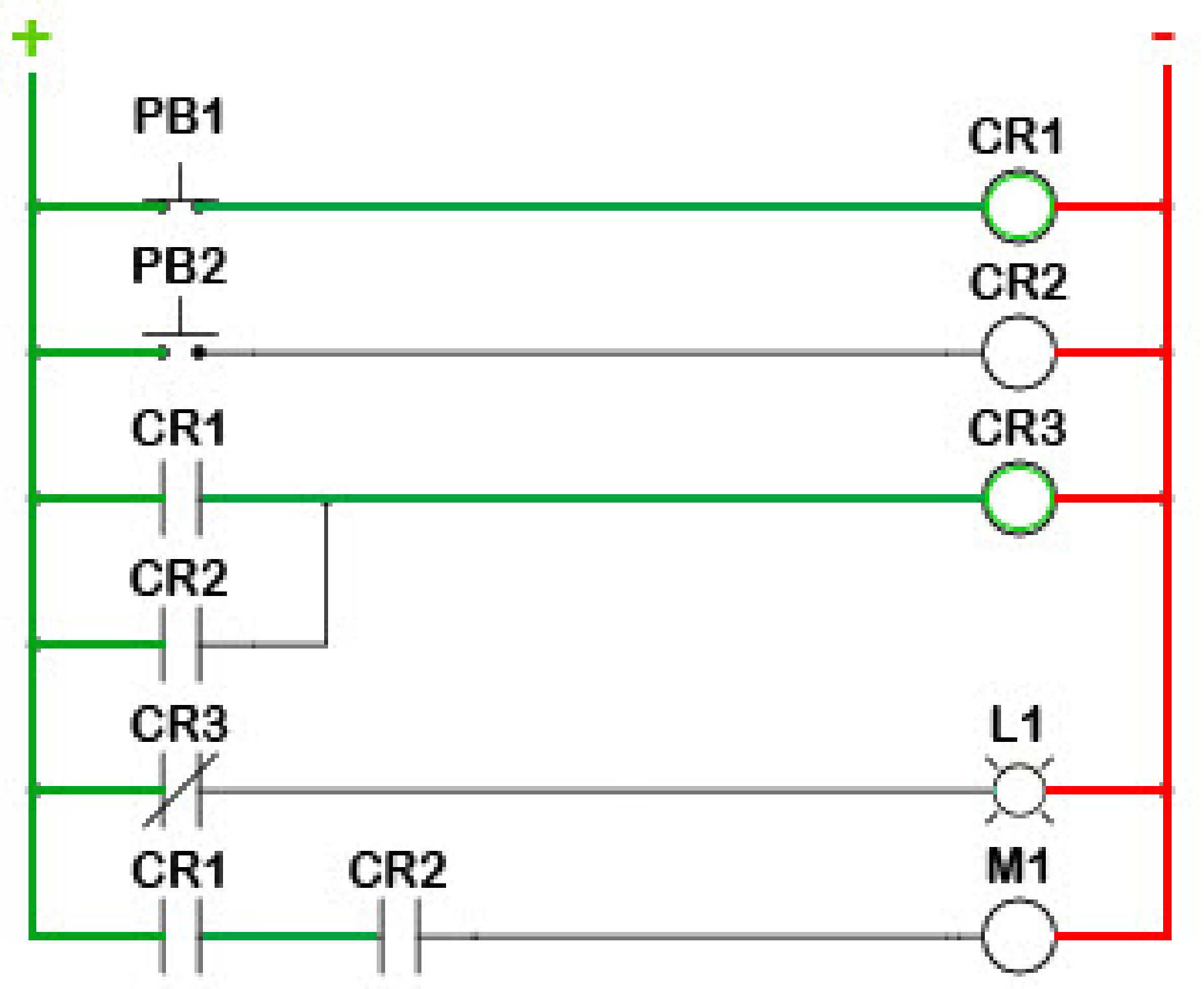
THE POTENTIAL RELAY MUST BE MODIFIED: SEE INSTRUCTIONS

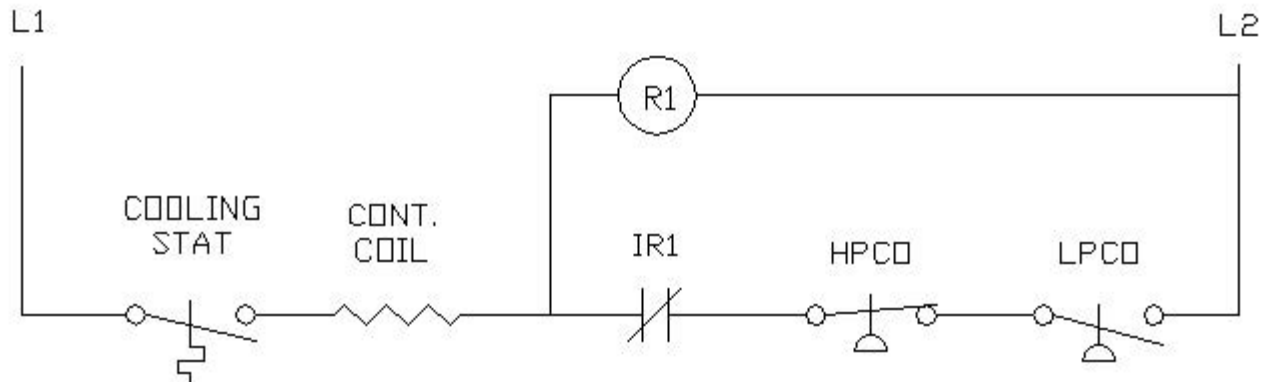
This ladder diagram shows the functionality of the phase converter but does not show how to wire it. It is useful to learn how the converter works and how to troubleshoot it. See the Wiring Diagram for wiring instructions.



Legend

C contactor
CCH Crankcase heater
CFM Condenser fan motor
CFS Condenser fan switch
Comp Compressor
DTS Discharge temp switch
HPS High pressure switch
HR1 Heat relay 1
IFM Indoor fan relay
LPS Low pressure switch
OL Overload
RC Run capacitor
SC Start capacitor
SR Start Relay
DR Defrost relay
TM Timer motor
DT Defrost thermostat
REV Reversing valve relay


+
-
PB1
CR1
PB2
CR2
CR1
CR3
CR2
CR3
L1
CR1
CR2
M1


L1
L2
R1
COOLING
STAT
CONT.
COIL
IR1
HPCO
LPCO