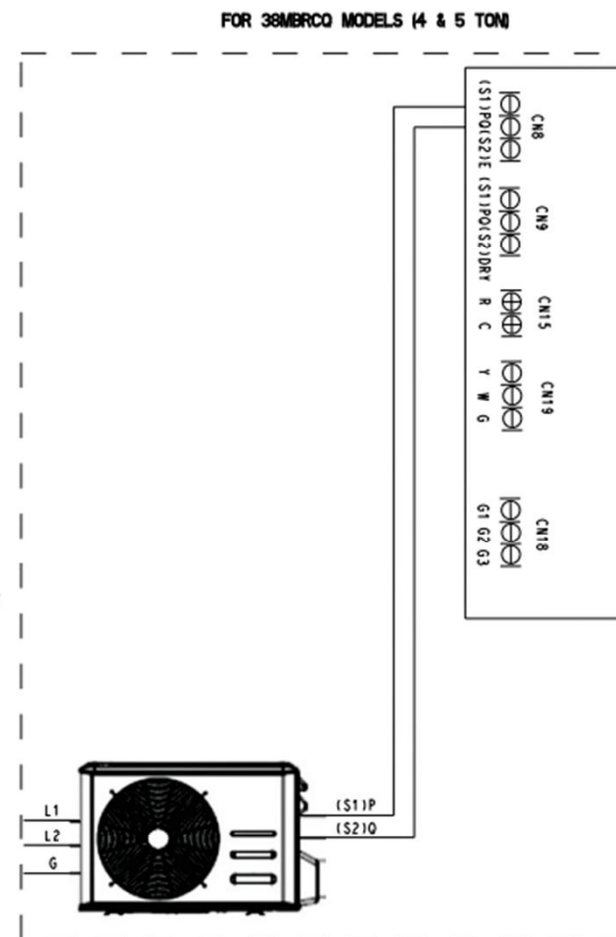
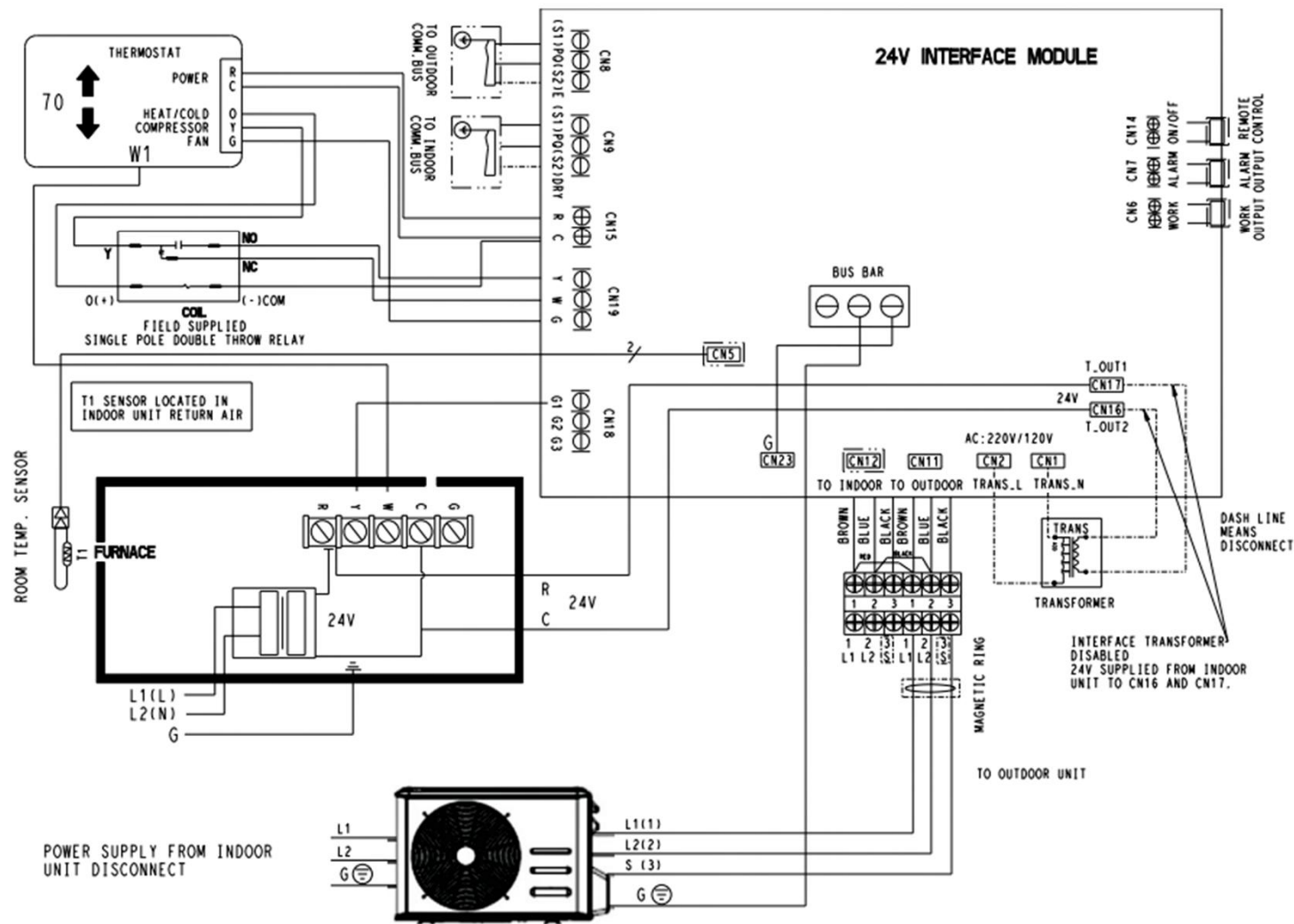




Scenario 6 Wiring

For
Technicians



POWER SUPPLY FROM OUTDOOR UNIT DISCONNECT.
TWO WIRES ARE LINE VOLTAGE AND THE OTHER IS A
GROUND WIRE.

T-STAT CONTROL
WIRING NEEDED

38 MARB(1-3 ton)

SUPPLY VOLTAGE
WIRING NEEDED

FROM		TO
Furnace	18/5	24V Interface
Furnace	18/2	T-stat
T-stat	18/4	24V Interface
T-stat	18/2	Relay
Relay	18/4	24V Interface

FROM		TO
Disconnect	see product data	Outdoor Ductless



Standard 18AWG
(minimum) thermostat wire



Outdoor Ductless	14/4	24V Interface
------------------	------	---------------

Stranded with a ground



Jacketed armored cable

T-STAT CONTROL
WIRING NEEDED

38 MBRCQ(4-5ton)

SUPPLY VOLTAGE
WIRING NEEDED

FROM		TO
Furnace	18/5	24V Interface
Furnace	18/2	T-stat
T-stat	18/4	24V Interface
T-stat	18/2	Relay
Relay	18/4	24V Interface



Standard 18AWG (minimum)
thermostat wire



FROM		TO
Disconnect	see product data	Outdoor Ductless



FROM		TO
Outdoor Ductless	14/4 Stranded with a ground	24V Interface

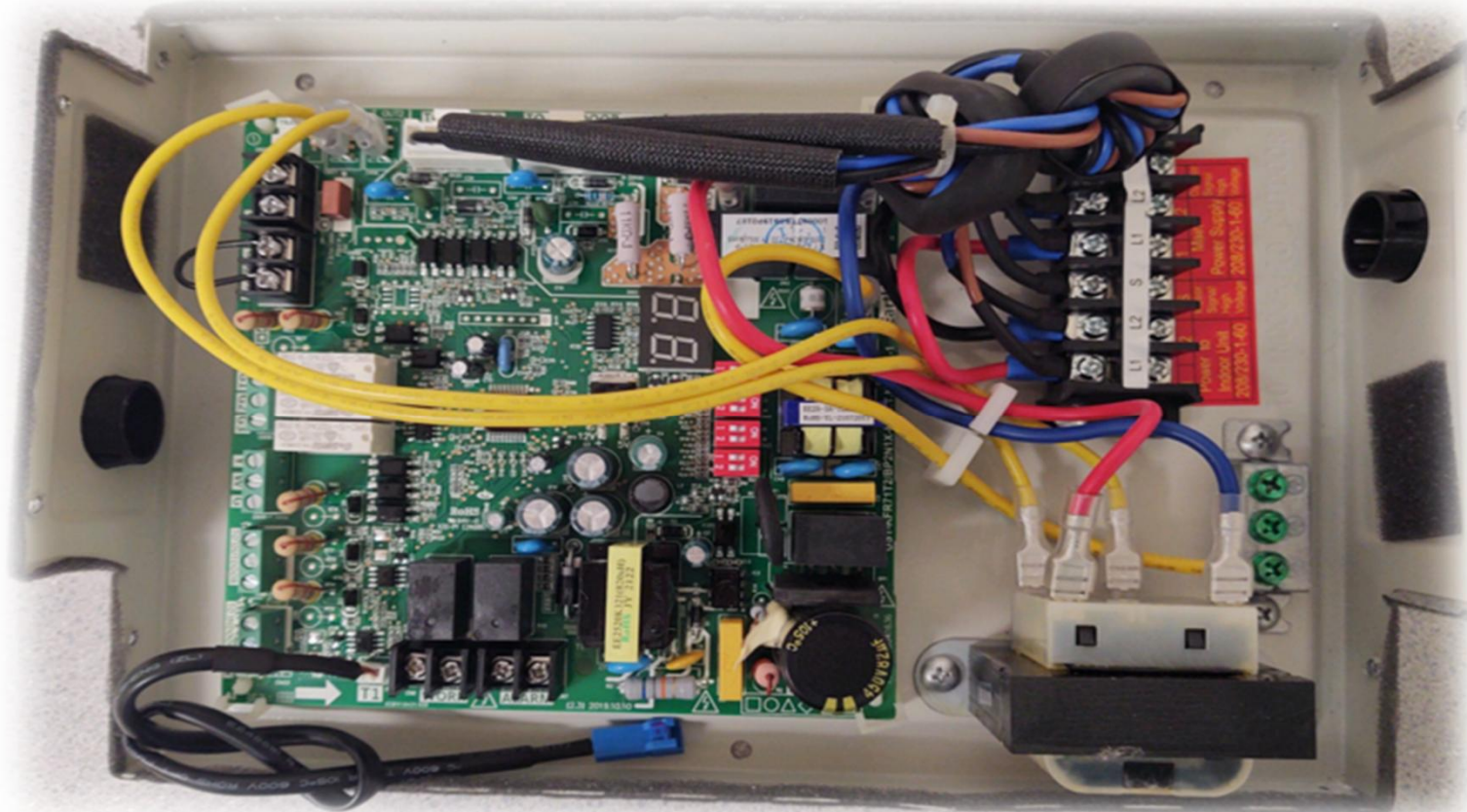


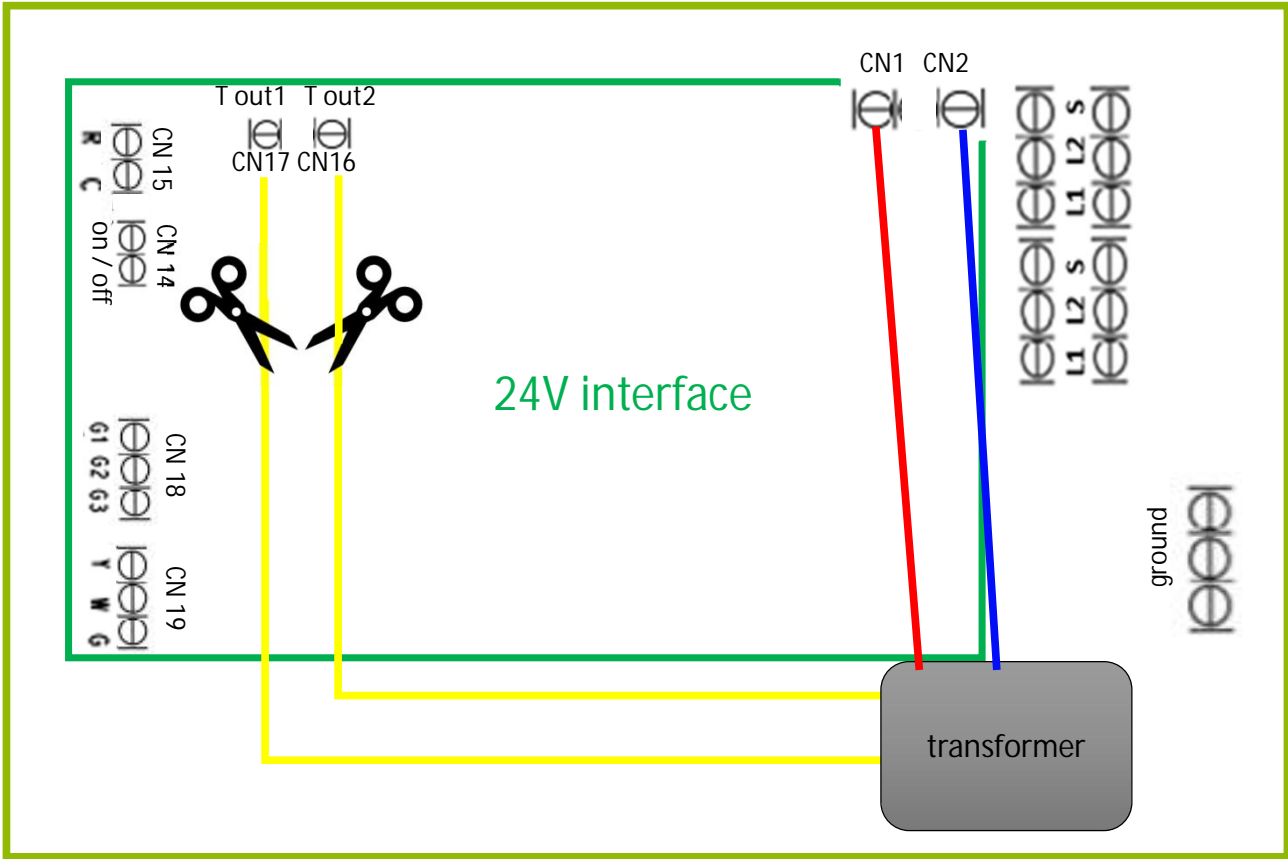
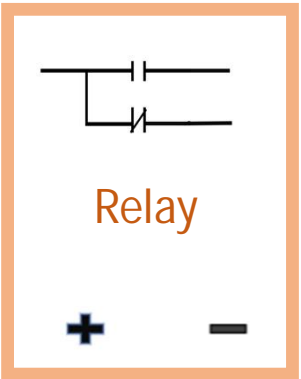
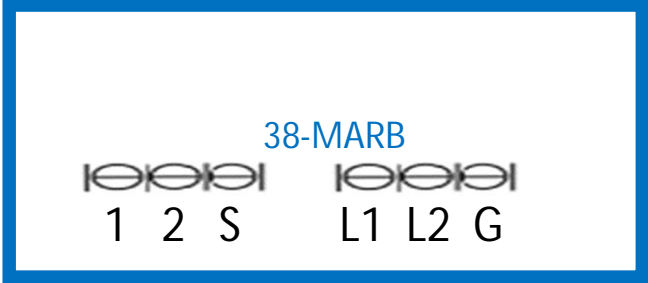
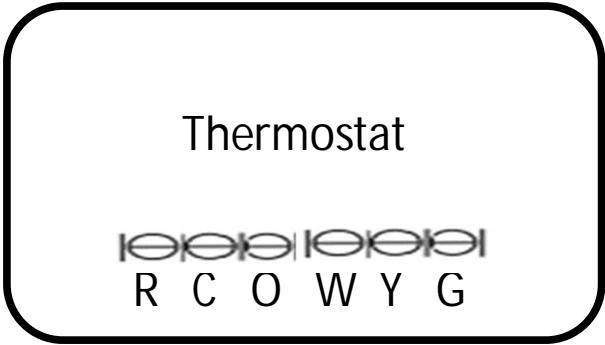
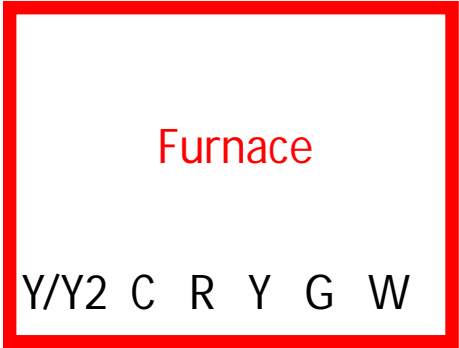
(separate) Shielded 16/2 Stranded copper wire



Disconnect and **remove transformer** from inside 24v interface module
Remove and discard **RED** and **BLUE** wires from CN1 and CN2

(helpful hint) If you cut the 2 **YELLOW** wires leading to CN16 & CN17
these can be used to connect R & C from furnace to 24v interface





38 MARB
38 MBRCO

CONNECT

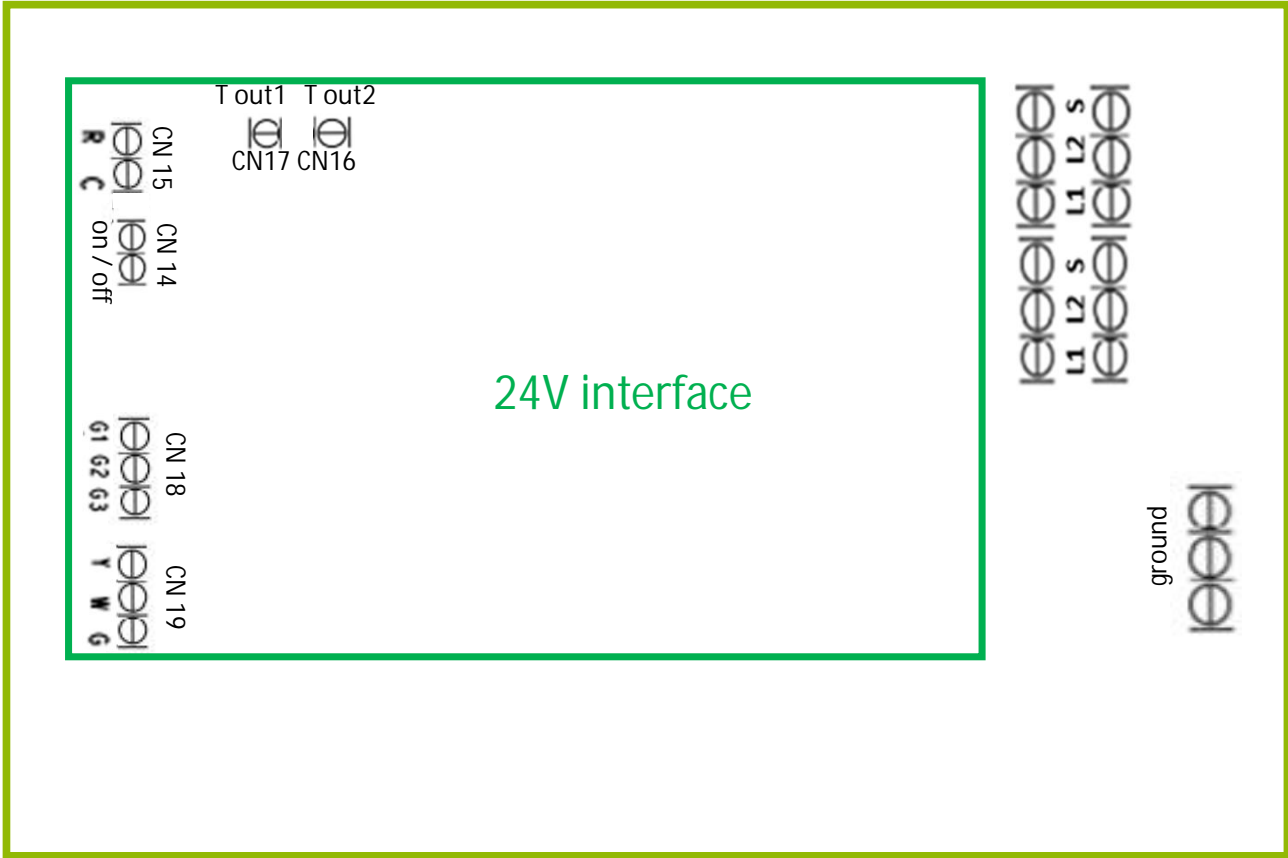
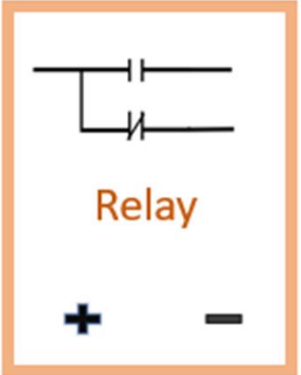
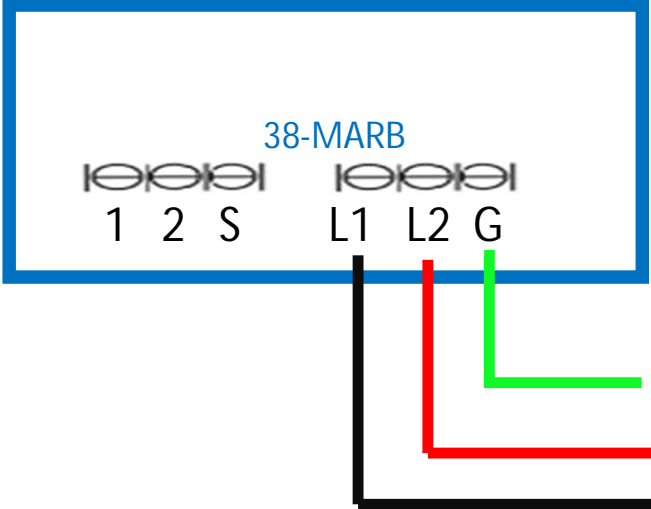
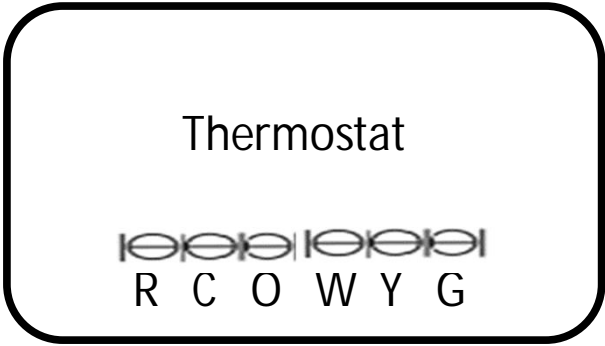
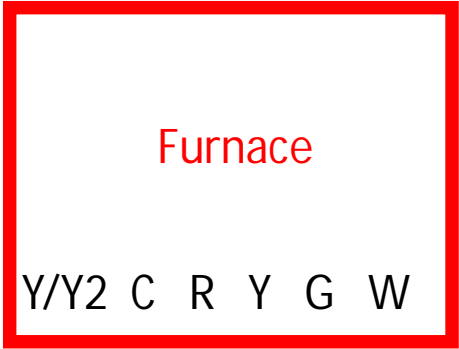
Disconnect Box to Outdoor unit

L1  L1

L2  L2

G  Ground





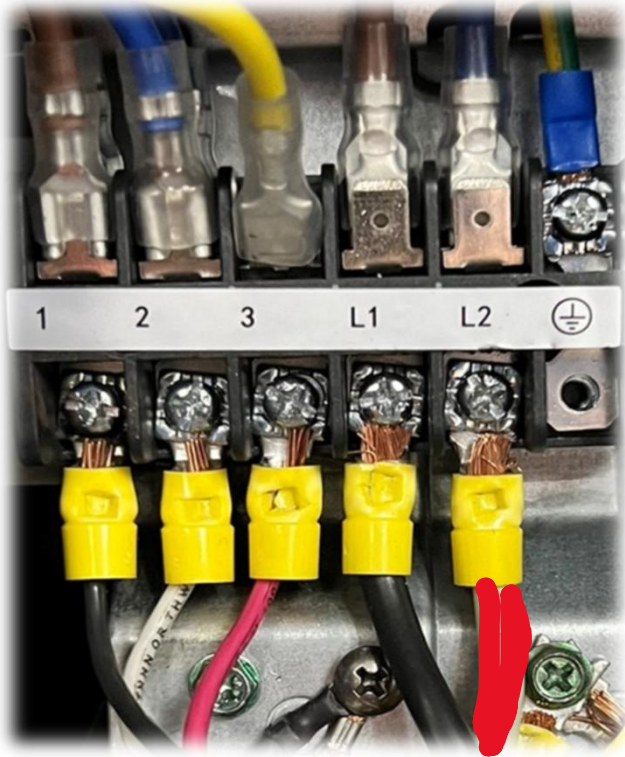
38 MARB
38 MBRCO

CONNECT

outdoor unit(38MARB)

TO

24v interface(KSAIC0301230)



1



L1

2



L2

3

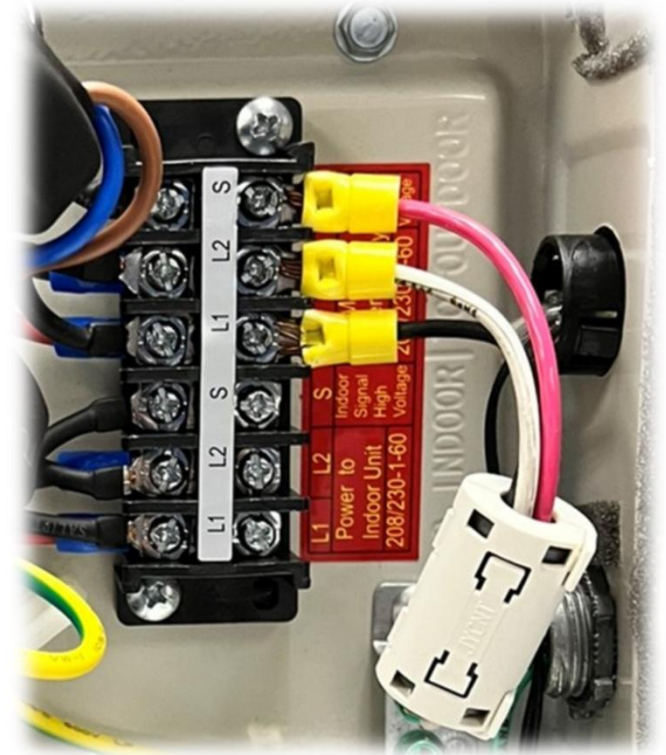


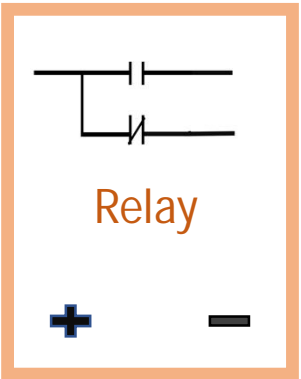
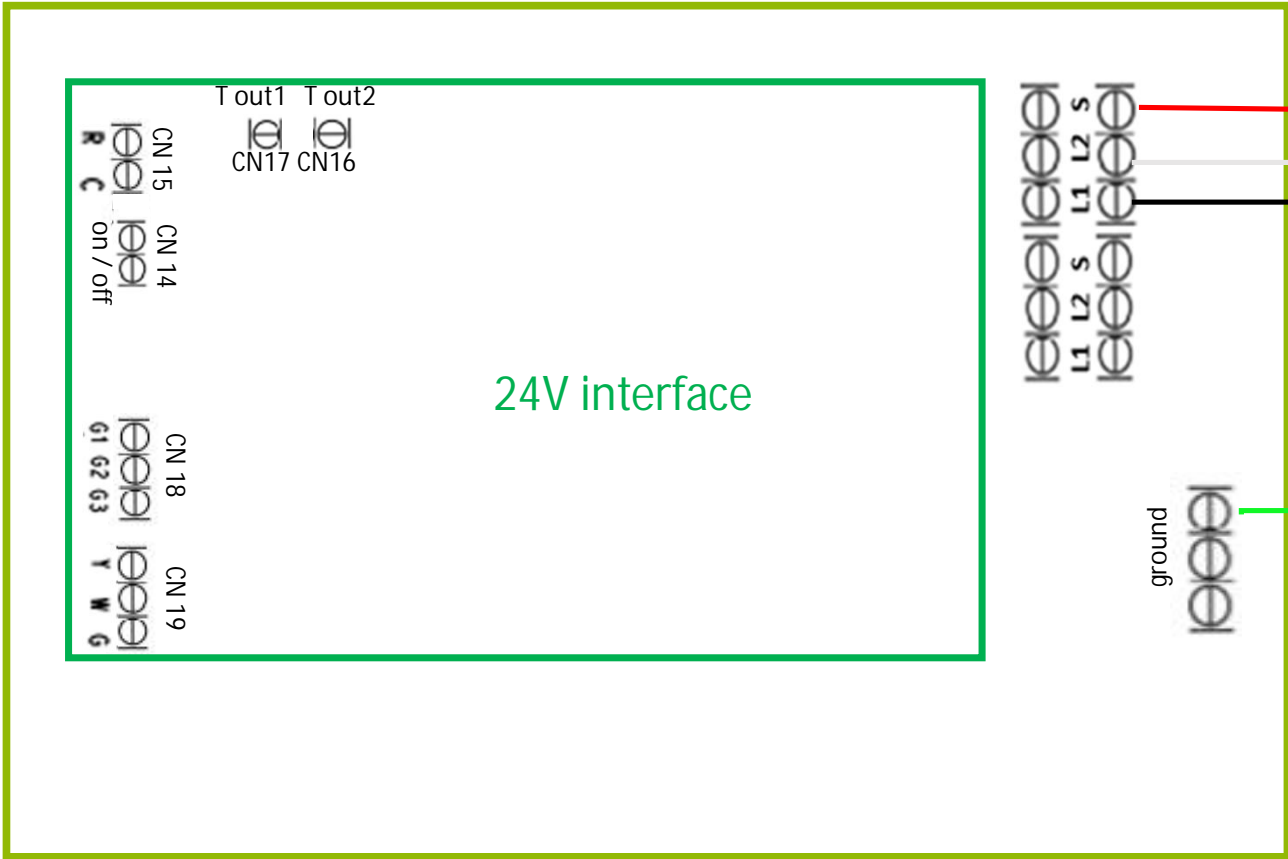
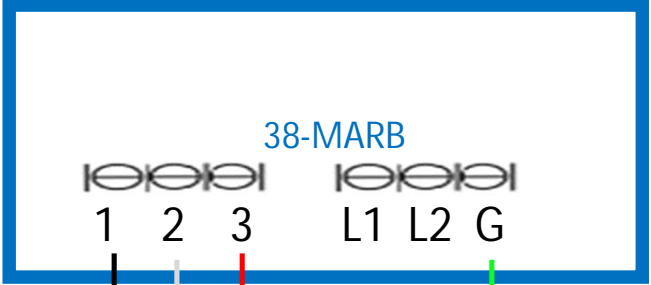
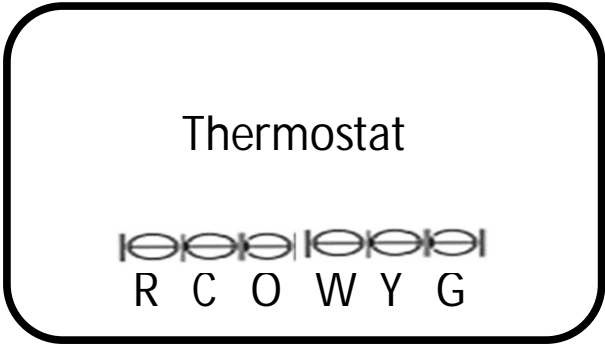
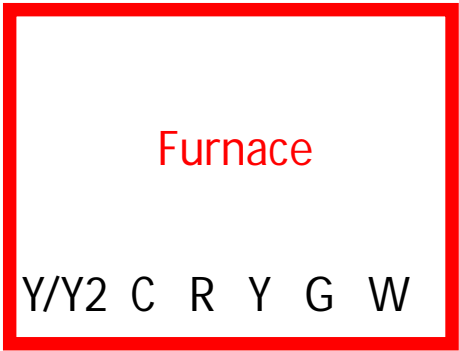
S

Ground

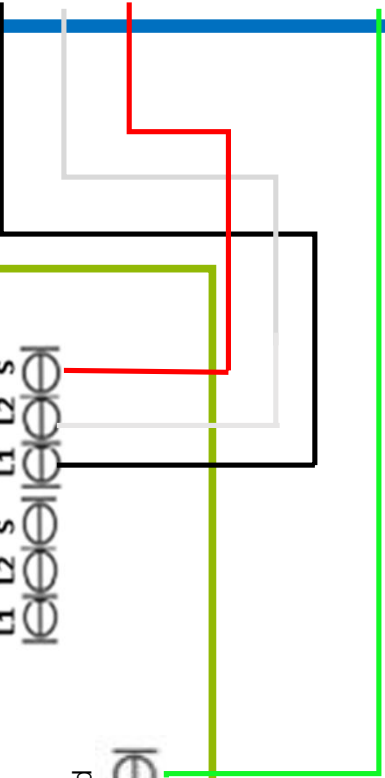


G



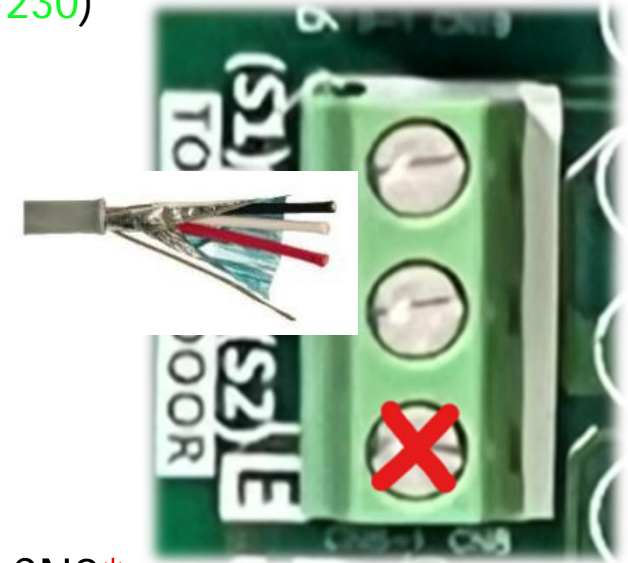
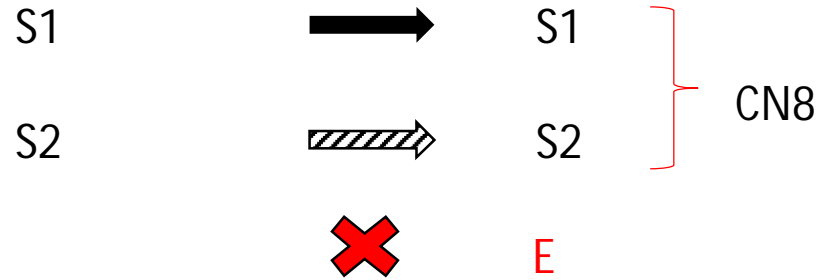


38 MARB

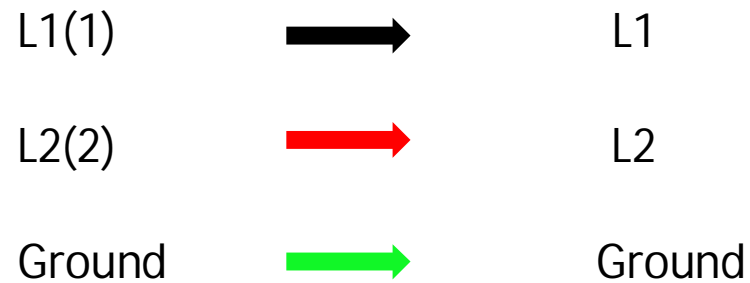


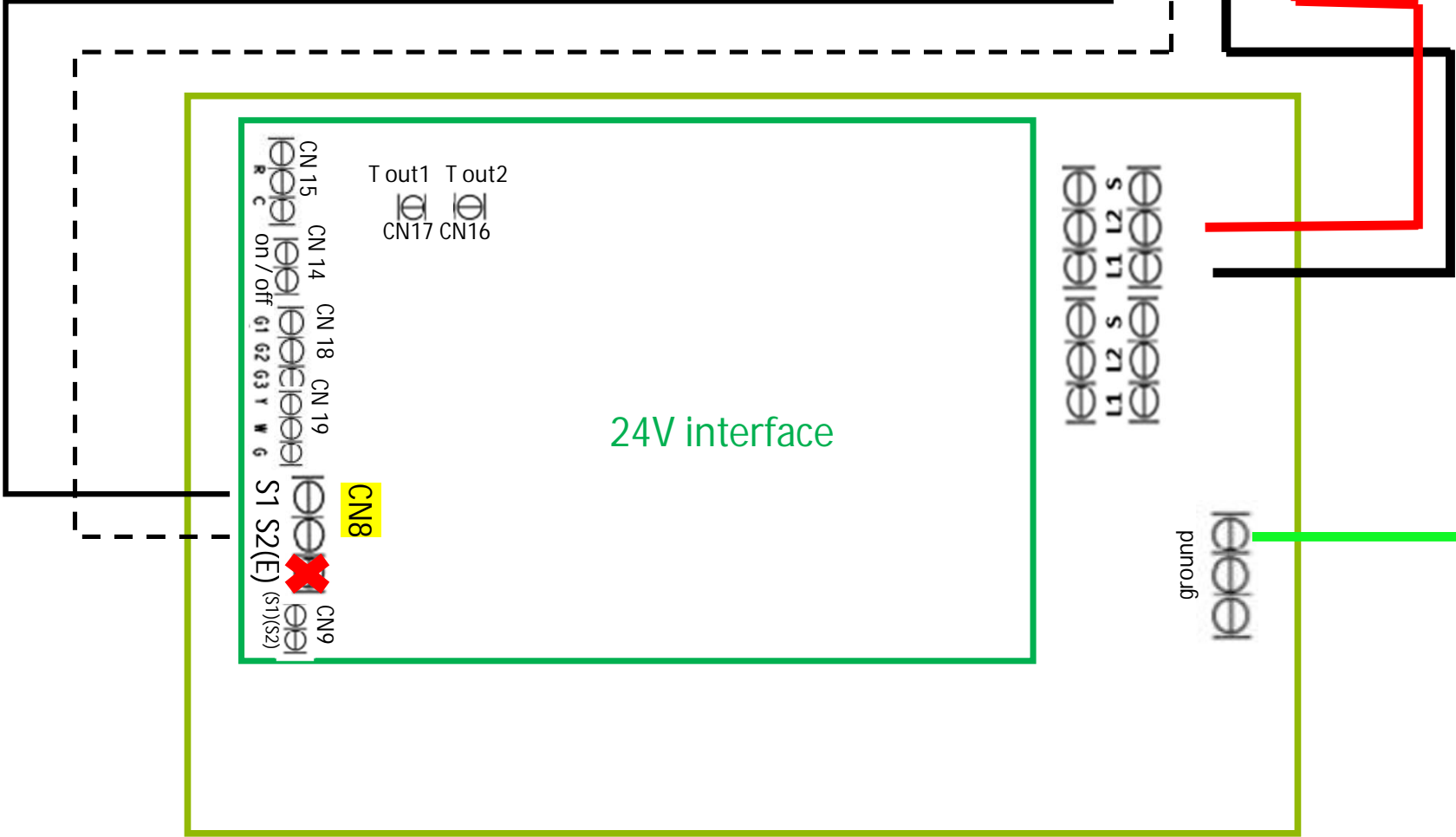
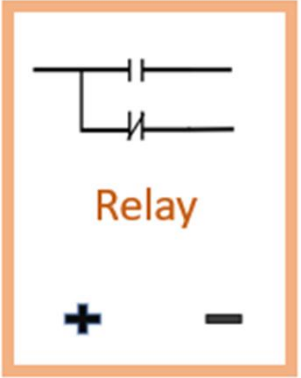
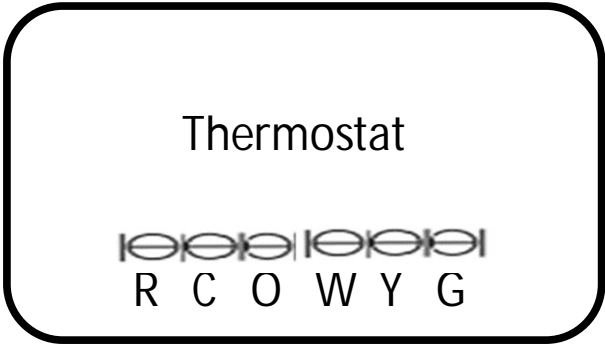
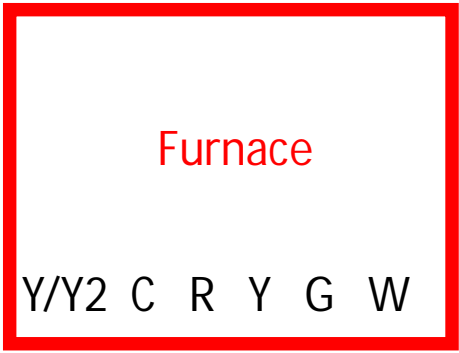
CONNECT

outdoor unit(38MBRCQ) to 24v interface(KSAIC0301230)



***DO NOT** CONNECT WIRING TO THE **E** TERMINAL OF CN8*





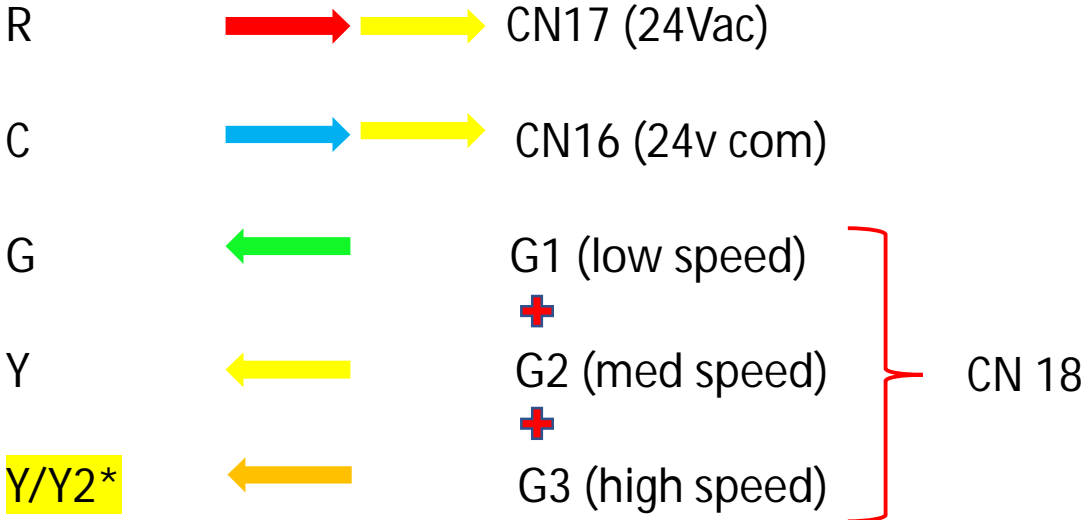
38 MBRCQ(4-5ton)

CONNECT

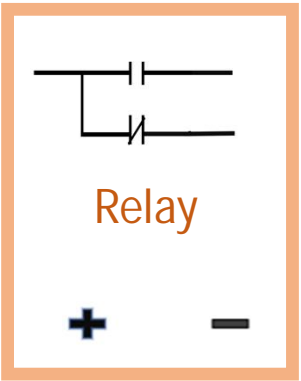
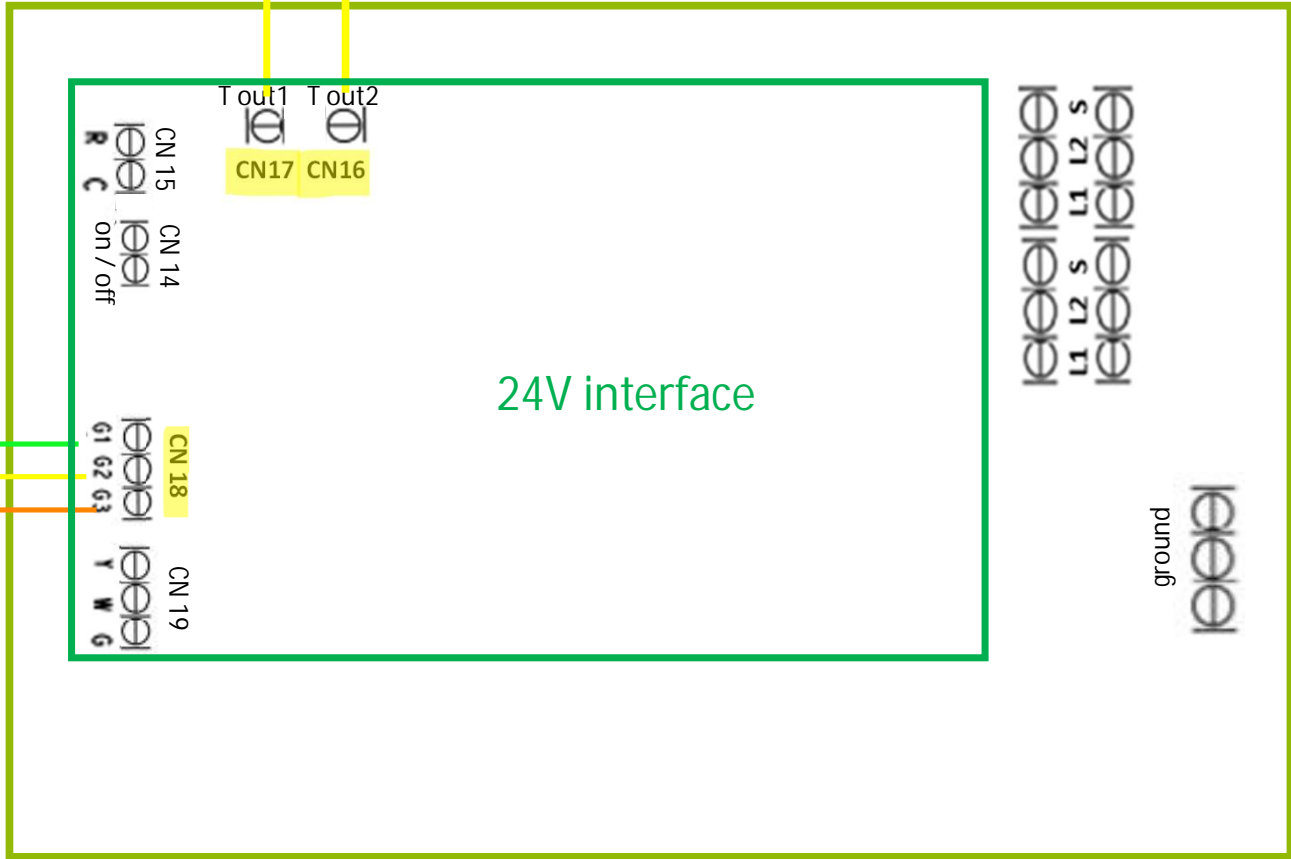
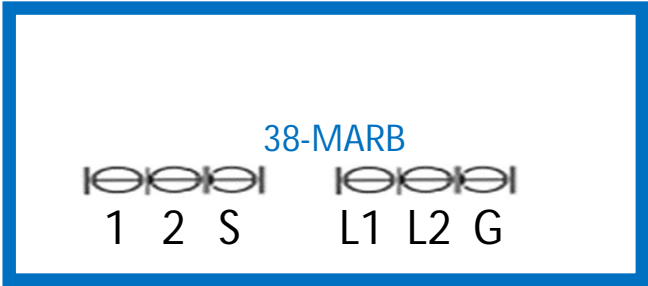
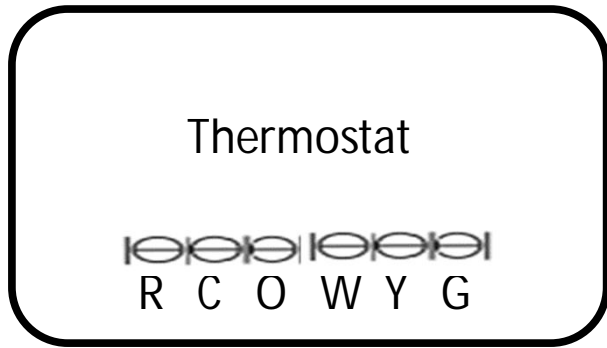
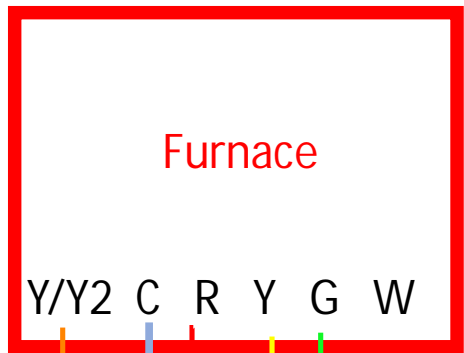


Furnace

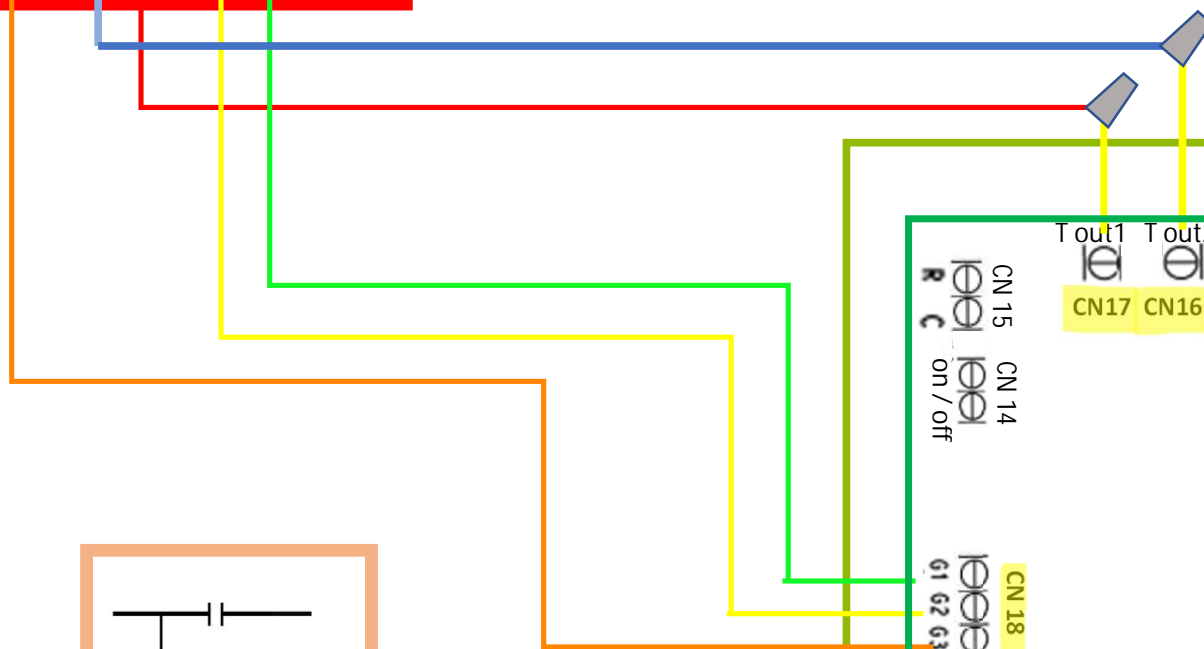
24v interface



* If applicable



38 MARB
38 MBRCO



CONNECT

Thermostat

24v interface



RC



R (24v)

C



C (24v com)

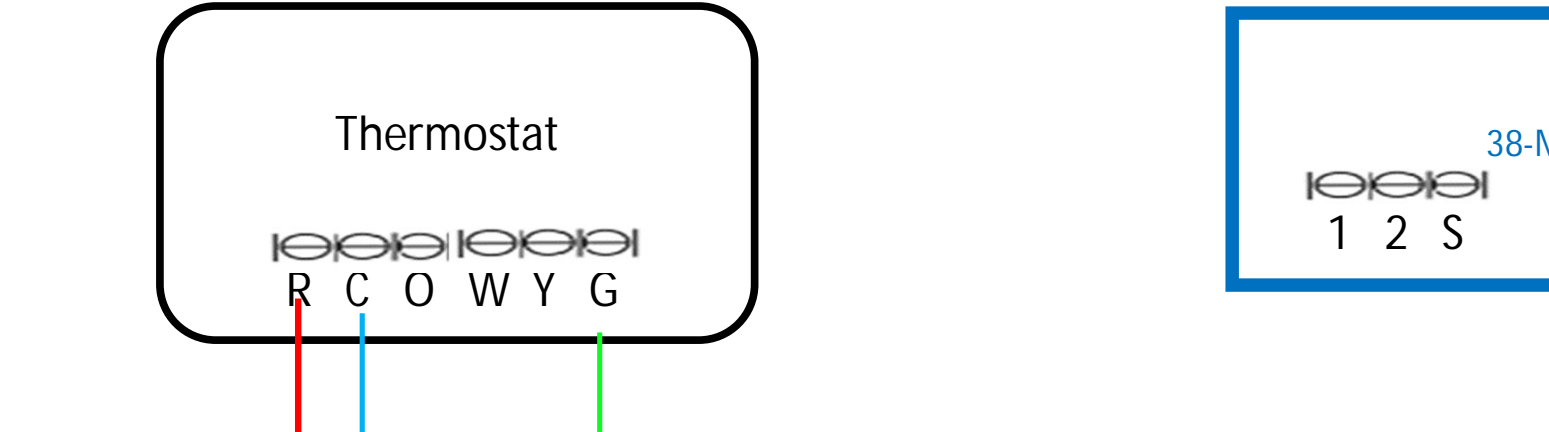
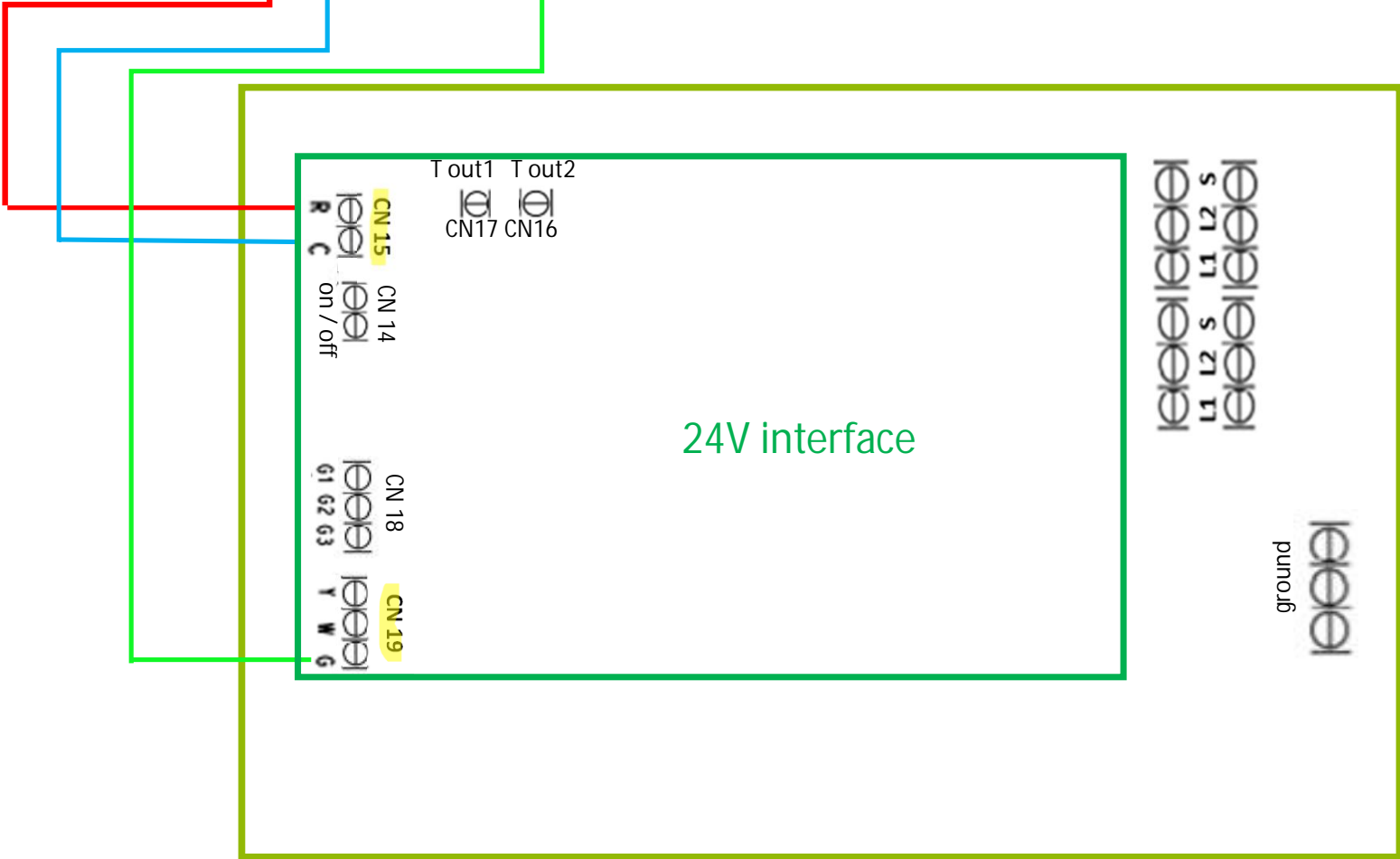
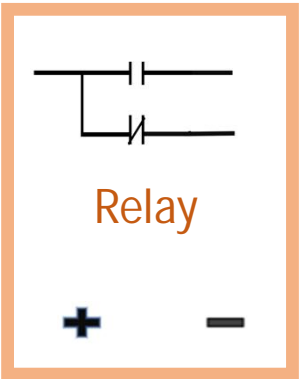
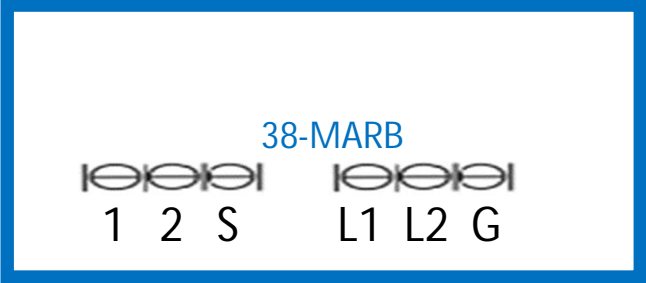
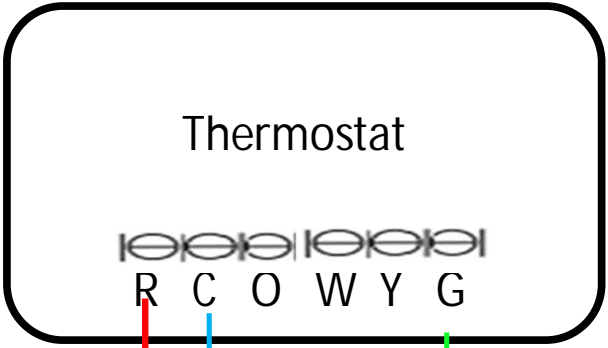
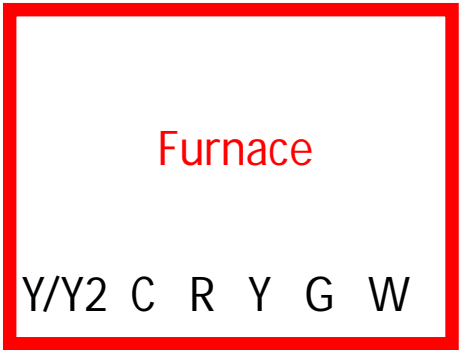
G



G (CN 19)

} CN 15





38 MARB
38 MBRCQ

CONNECT

Thermostat

to

Relay(RIBU1C)

O

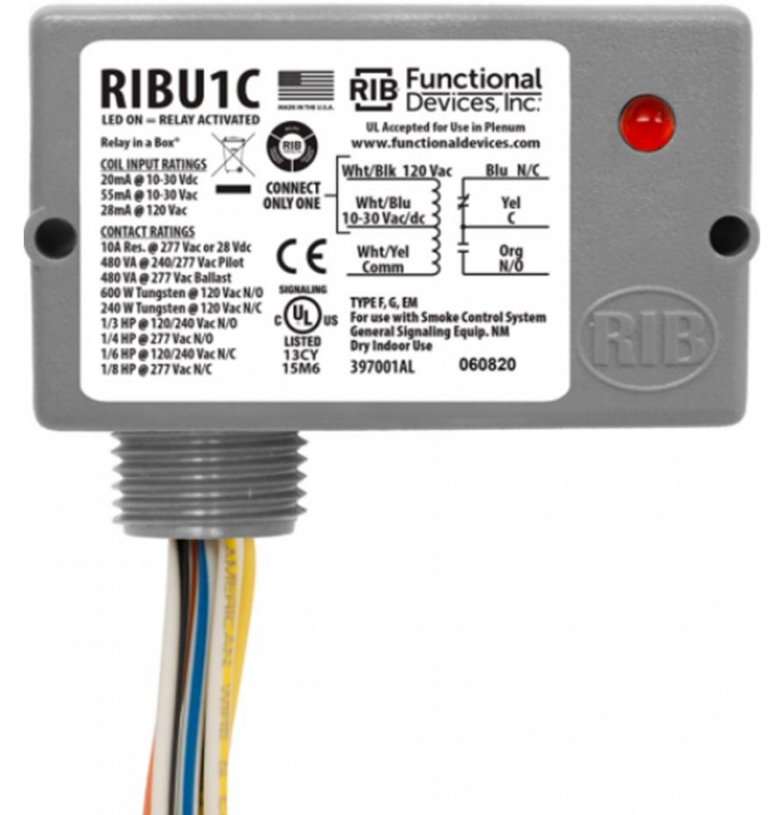


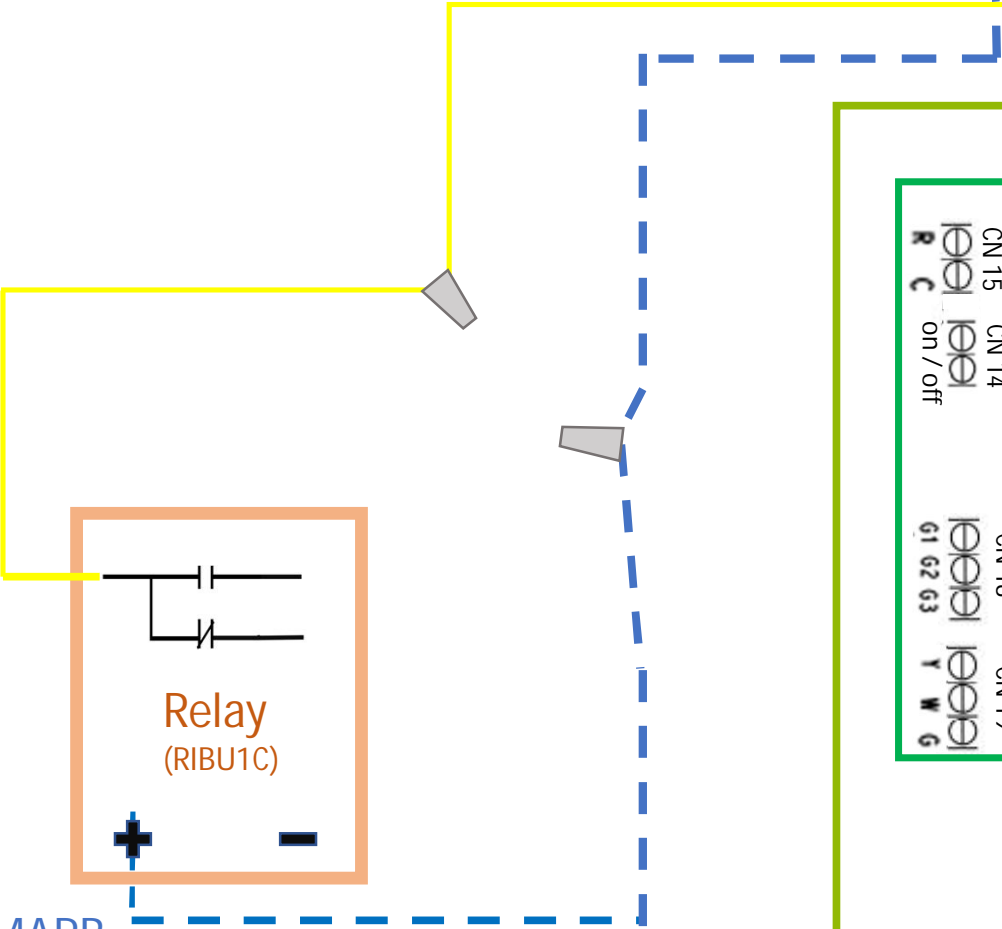
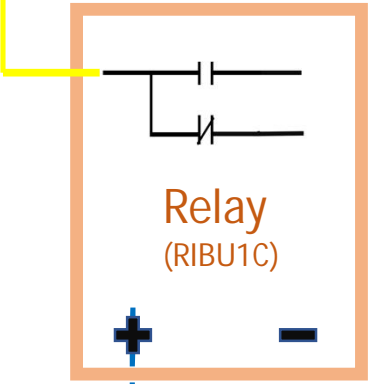
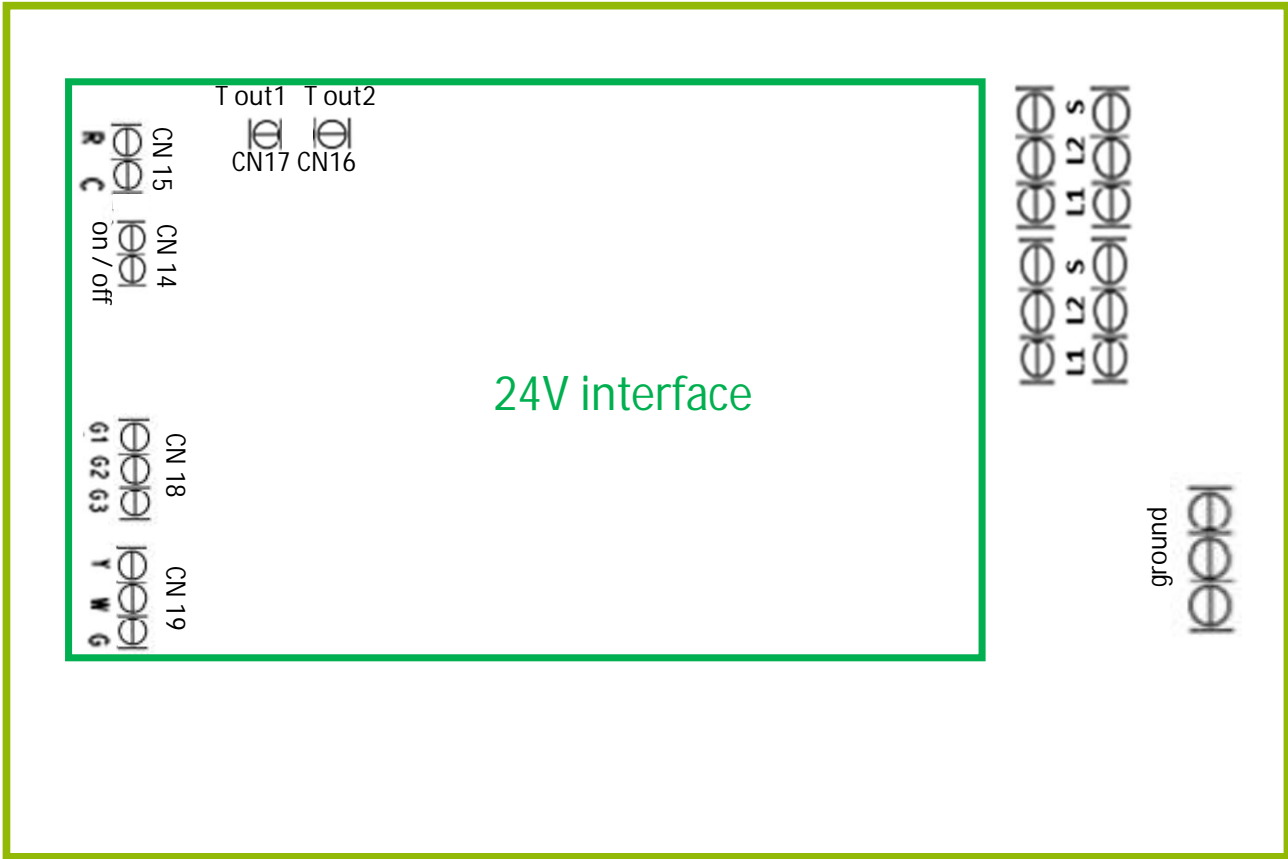
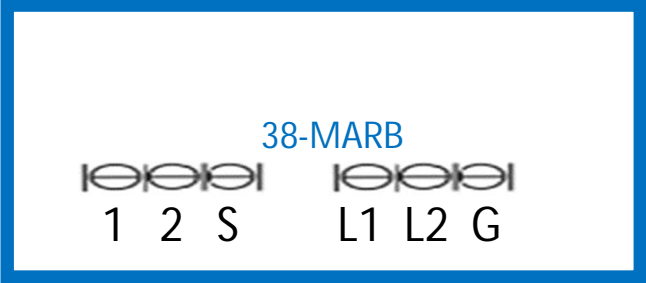
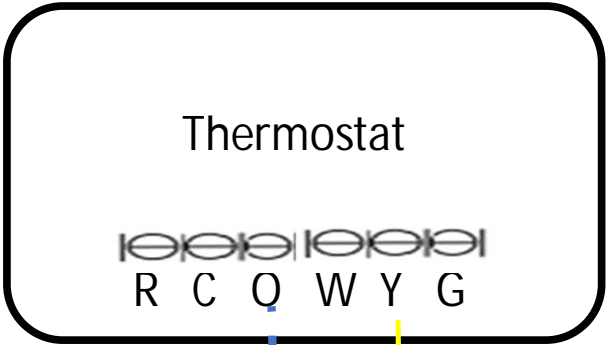
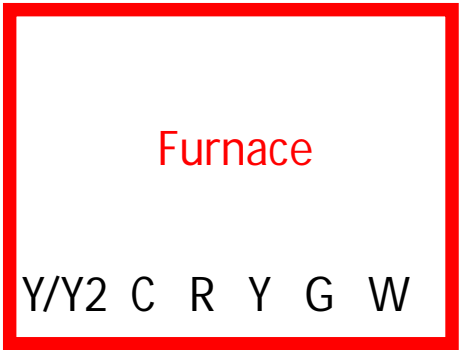
coil (24Vac)(white w/ blue stripe)

Y



24v C (solid yellow wire)





38 MARB
38 MBRCQ



Relay

CONNECT

24v interface

N.O.(solid orange)



Y (energized w/cool call)

N.C.(solid blue)

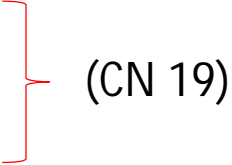


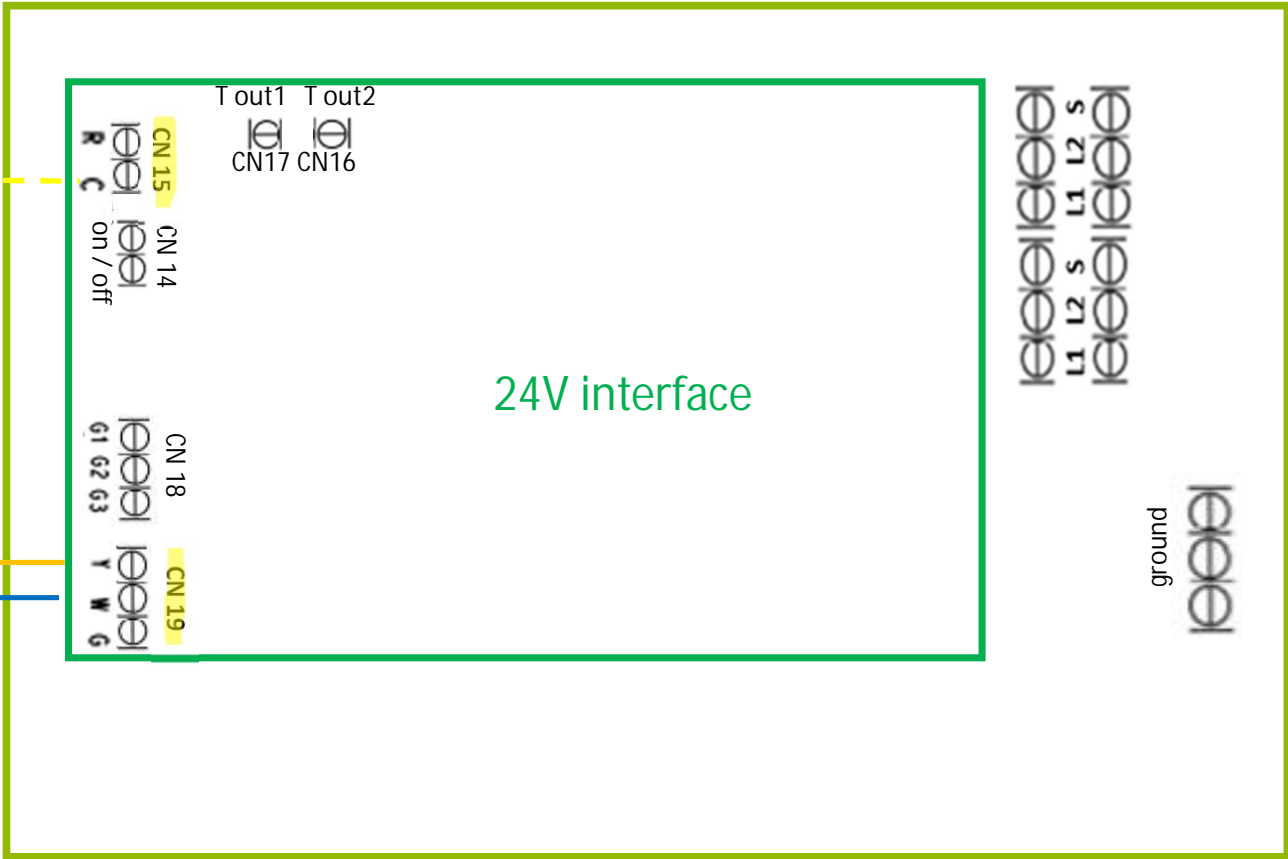
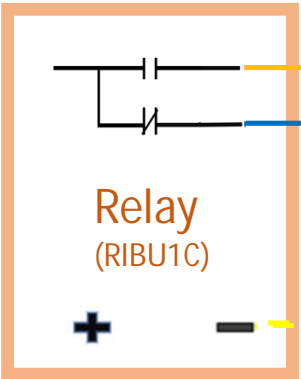
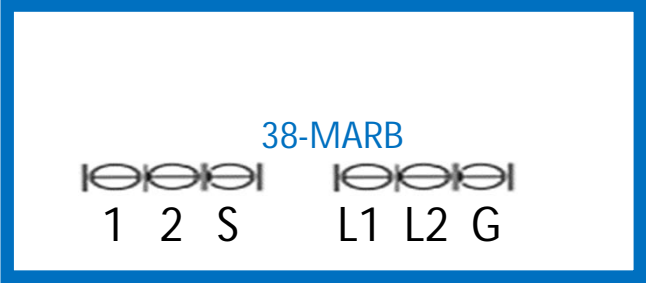
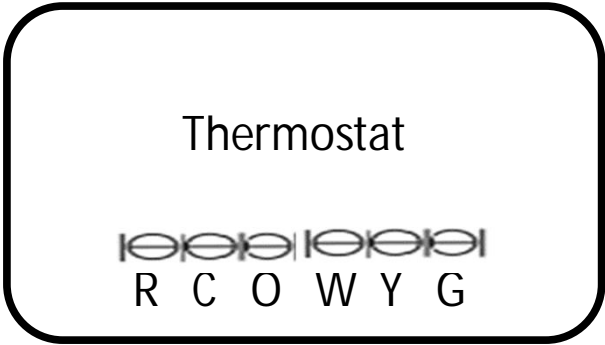
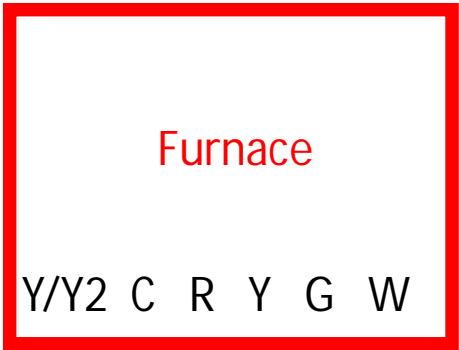
W (HP heat)

Comm(coil)(white w/yellow stripe)



C (CN15)





38 MARB

38 MBRCO

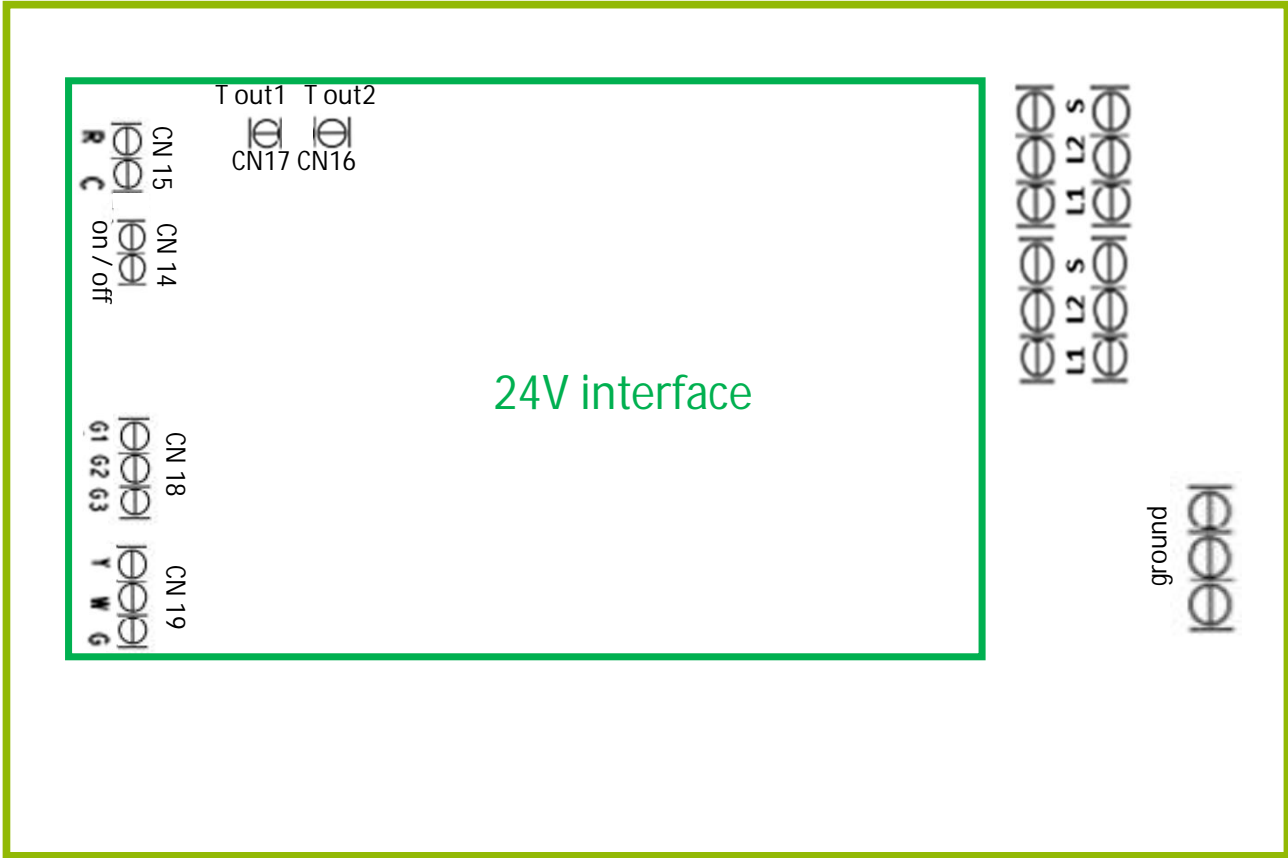
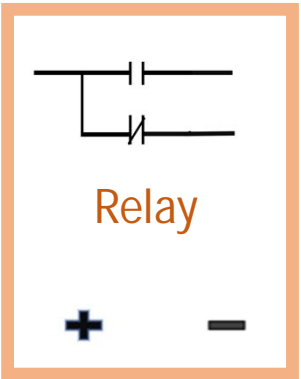
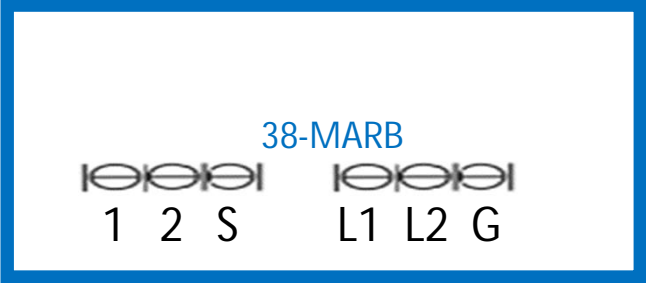
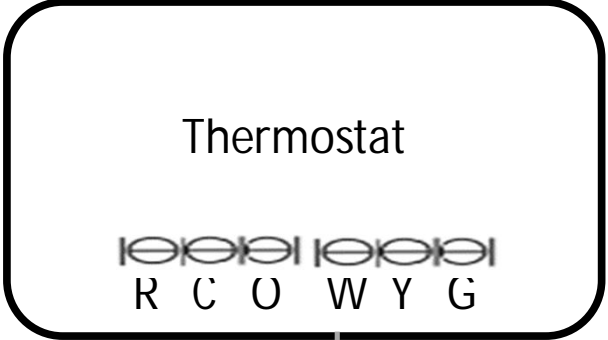
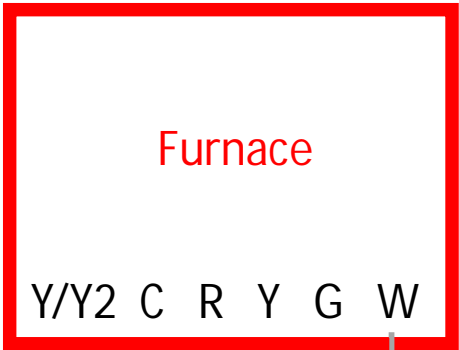
CONNECT

Furnace to Thermostat



W → W (aux heat)





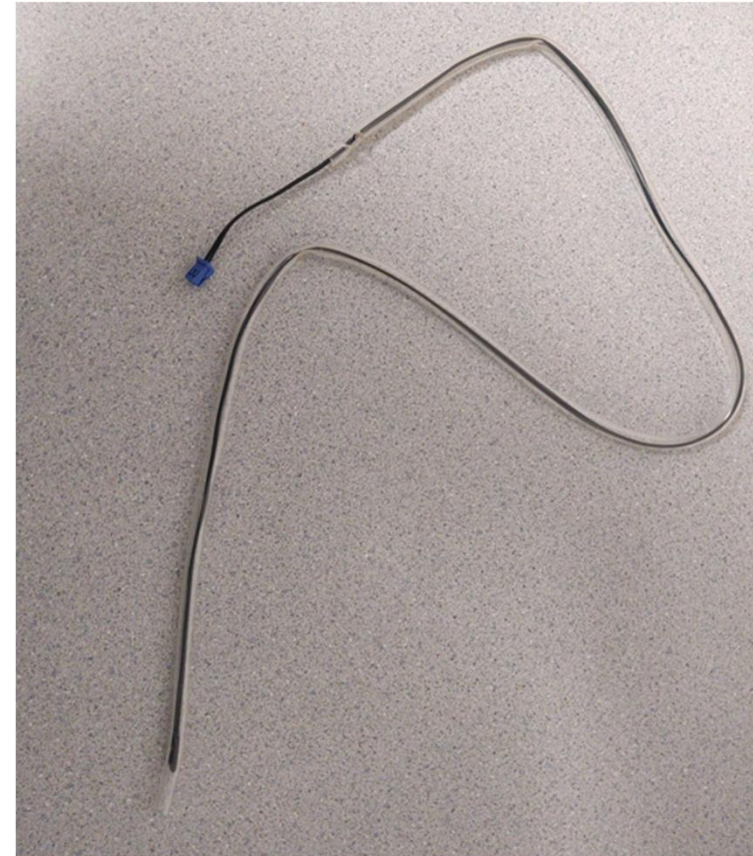
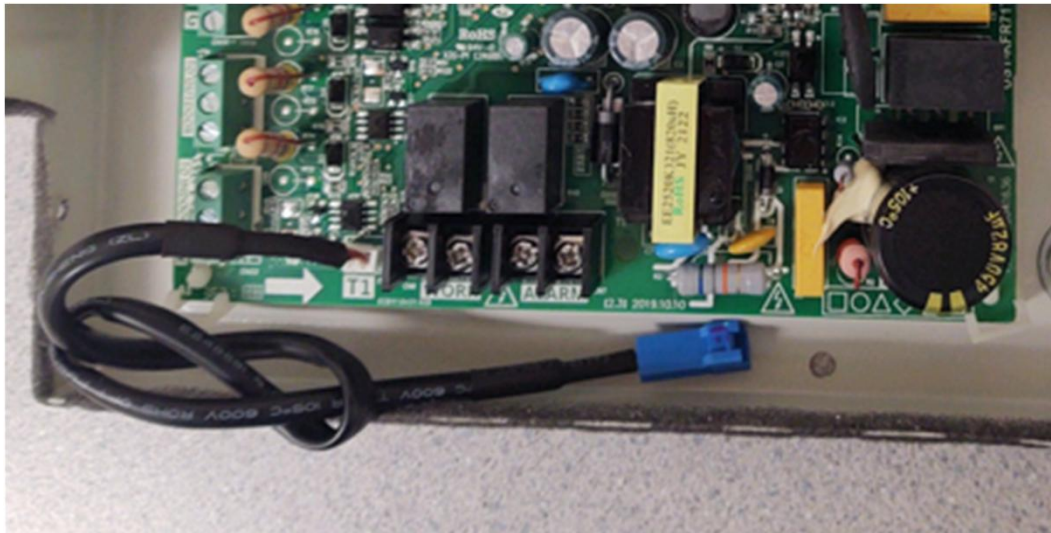
38 MARB
38 MBRCQ

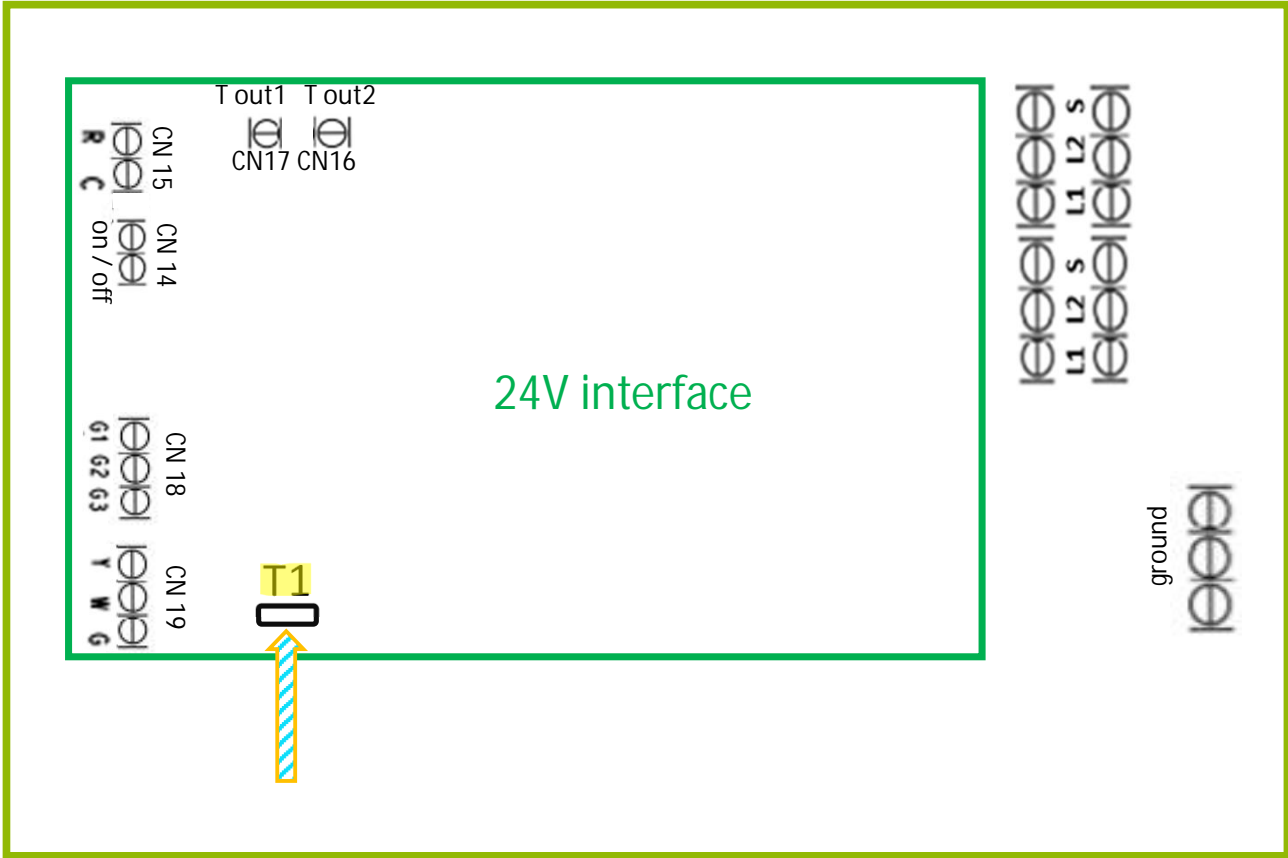
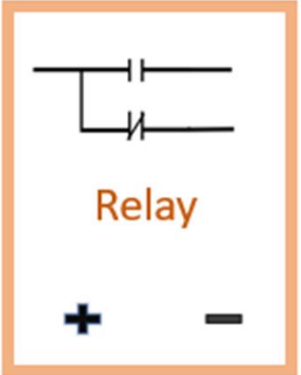
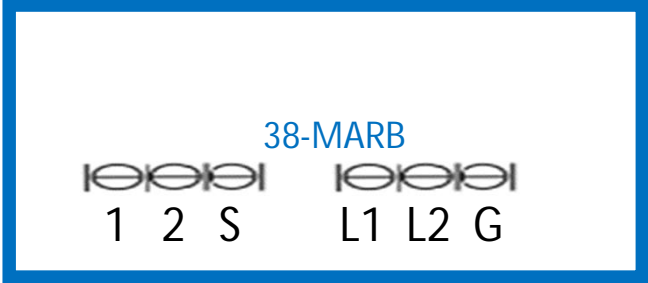
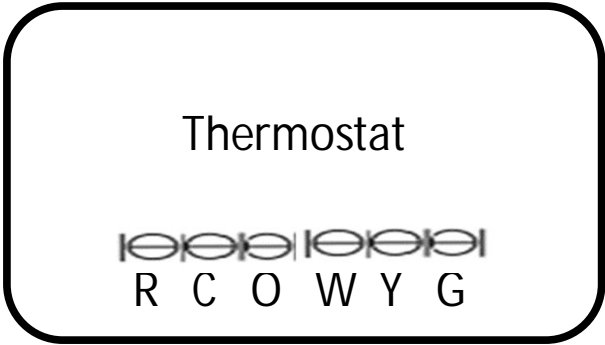
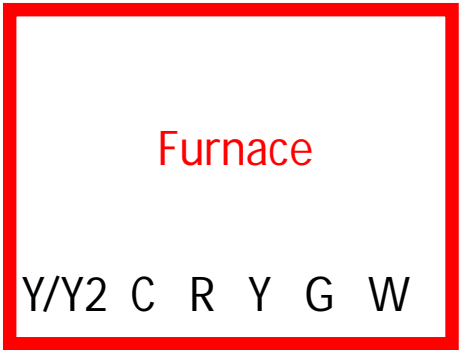
CONNECT

Return air sensor
(11201007003448)



T1 on 24v interface

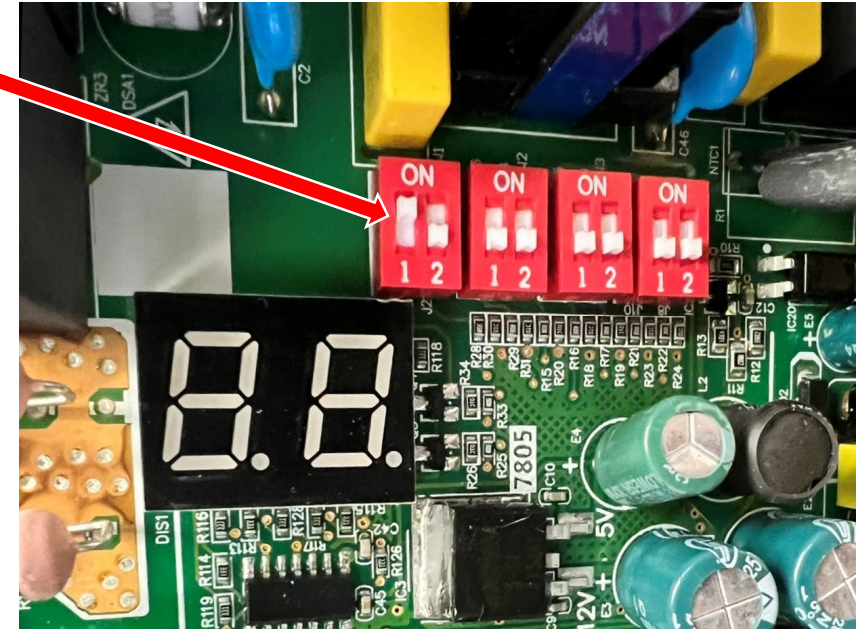
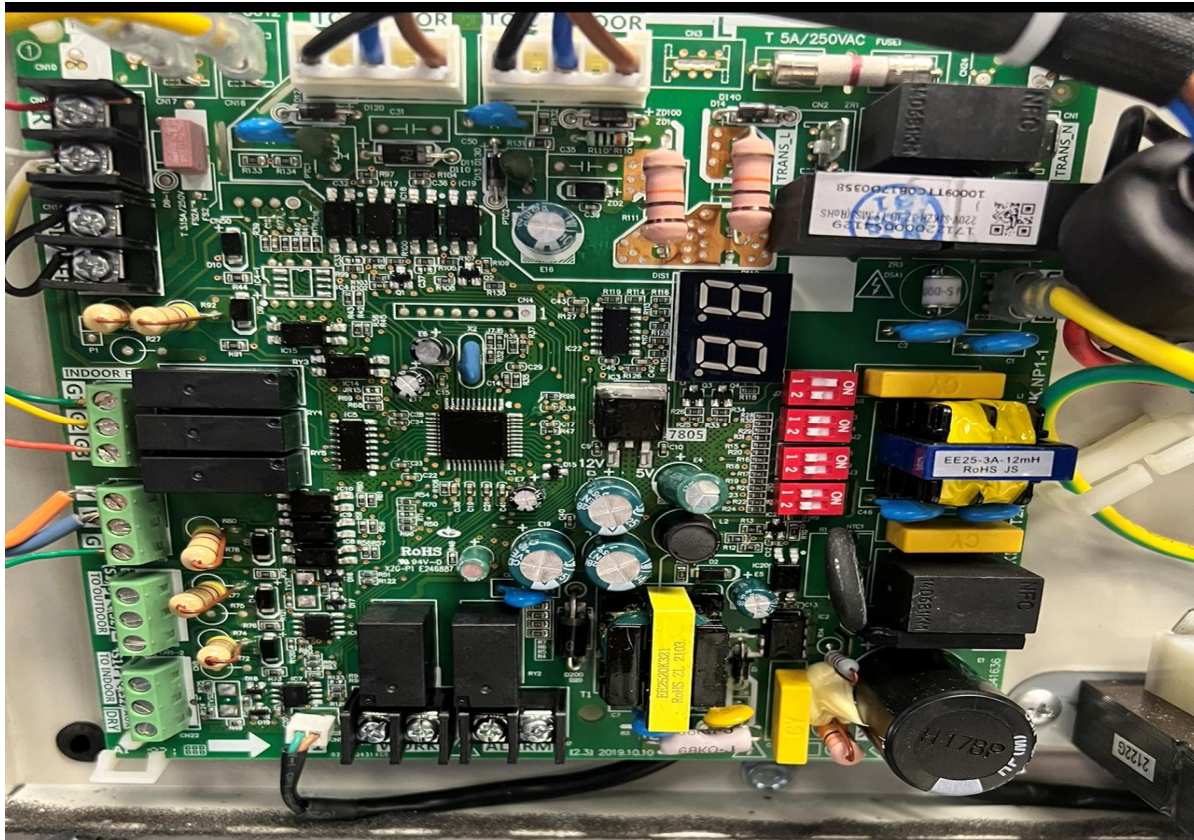




38 MARB
38 MBRCO

Set all dip switches on the 24v interface to off (EXCEPT #1-1)

SW1-1 is closest to display



NOTE: correct orientation of board and dip switches

*Adjust cfm at furnace for proper airflow required for application *

