

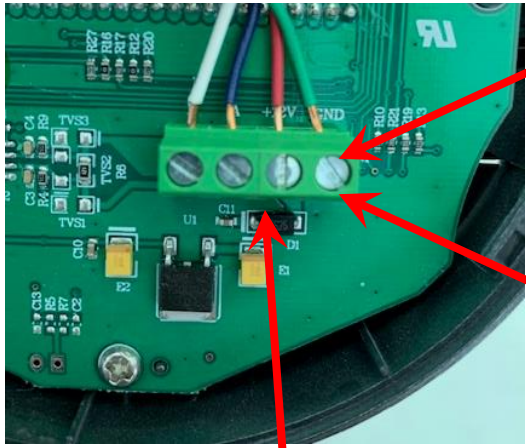


AFTERMARKET WIRING CONVERSION DIAGRAM

AIRCON

3/27/2019

DOMETIC BRISK II TO FURRIION (SINGLE ZONE)



Furrion 4 wire Thermostat

Connection:

- 12v+ (Red)
- Grd (Grn)
- A – Com (Blue)
- B – Com (White)

Domestic 3 wire Thermostat

Connection:

- 12v+
- Grd
- A – Com



Wiring modification: No Change Needed

Most coaches are wired using a 4/5-wire thermostat wire from the OE. For Dometic, only 3 wire leads are used. For Furrion, the 4th wire will need to be utilized.

Connect Controller to Thermostat

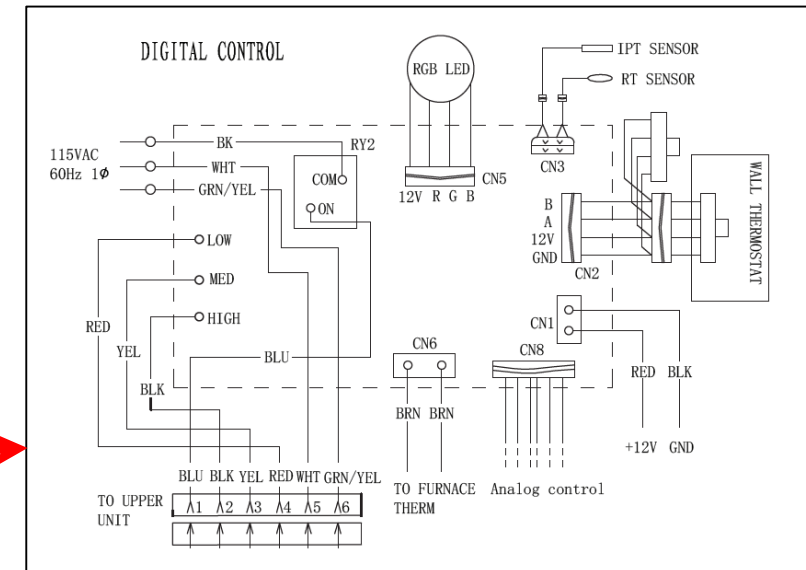
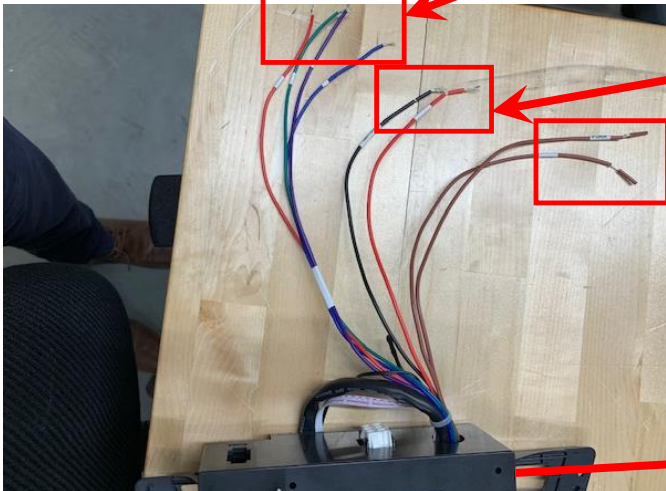
- Thermostat wire needed, stay consistent with wire color used (A goes with A)
- Harness and thermostat are marked for matching

Connect 12V+ and 12V- to power source.

- Dometic Requires 12V at the ceiling, no special wire routing required

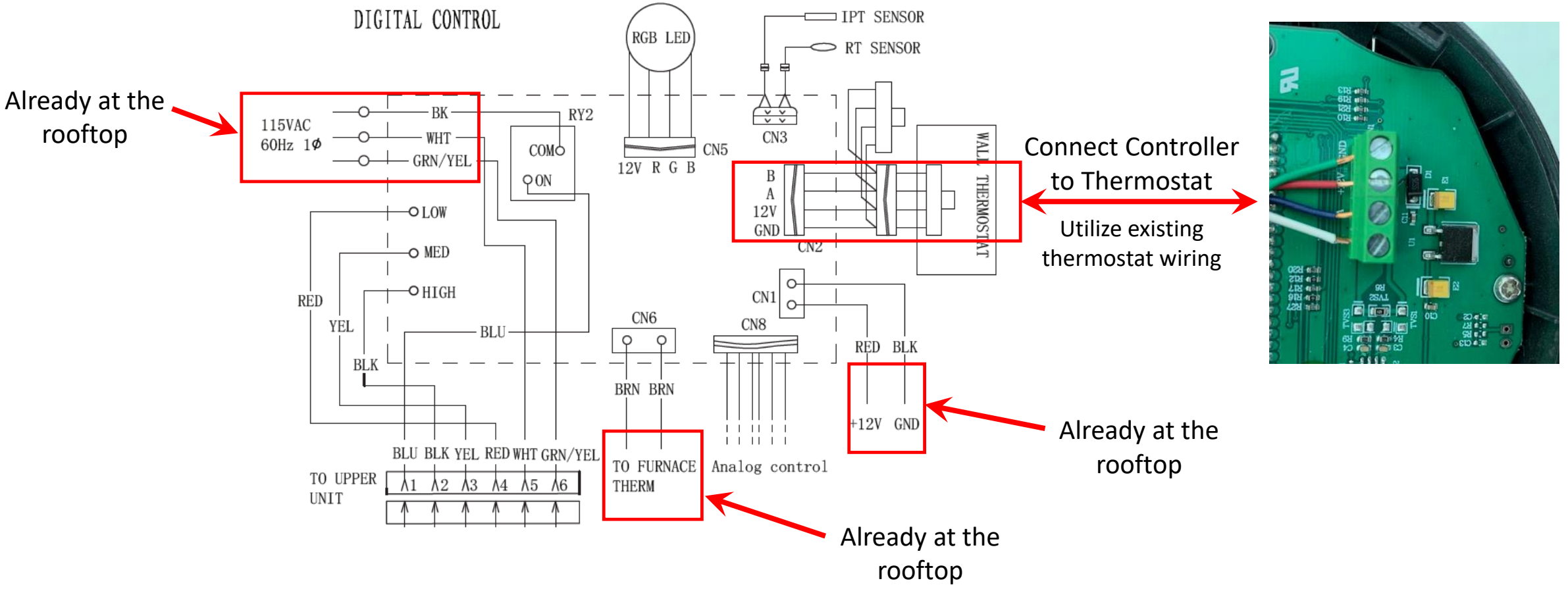
Connect Furnace:

- Polarity does not matter
- Dometic has furnace wire at ceiling, no special wire routing required

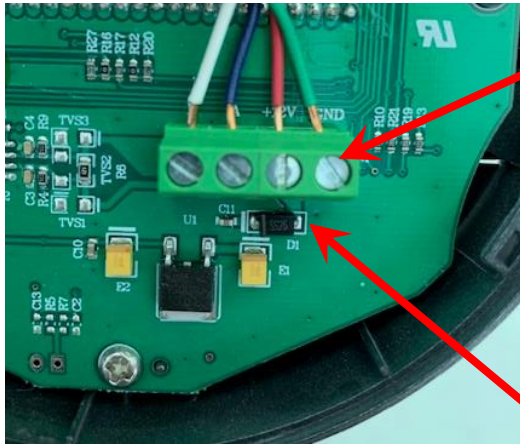




FURRION WIRE DIAGRAM SINGLE ZONE



DOMETIC BRISK II TO FURRIION (Multi ZONE)



Furrion 4 wire Thermostat

Connection:

- 12v+ (Red)
- Grd (Grn)
- A – Com (Blue)
- B – Com (White)

Dometic 3 wire Thermostat

Connection:

- RJ11 Connection

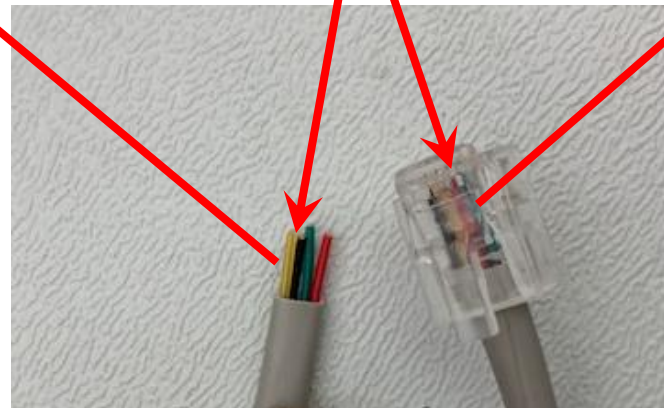
Wiring modification: Bare wire needed

Coaches may be wired with an RJ11 (telephone) connector from the OE. The wire harness is just simply 4-wires. The connector will need to be removed, but the wire within the harness can be utilized. Wire color may vary



Wiring the controller (at the roof top) is repeated as a single zone installation for each AC unit

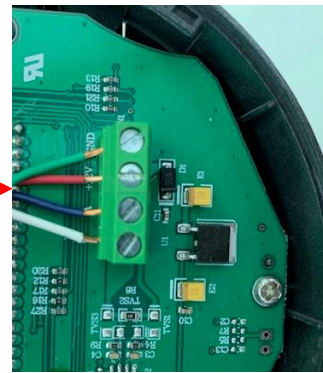
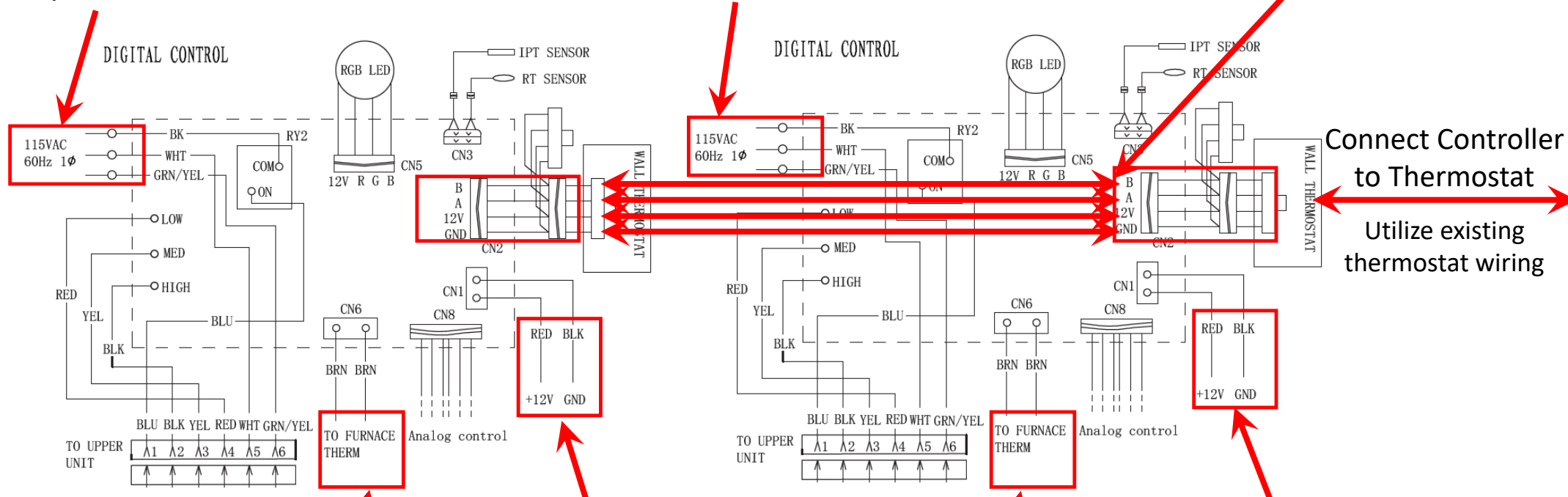
- Each rooftop unit will need 12V+ supply at the roof
- Each AC unit will require setting the zone via Dip Switch setting (see IM)
- Each wire leading to the thermostat should be connected together with each AC unit





FURRION WIRE DIAGRAM Multi ZONE

Already at the rooftop for each AC **Zone II** Already at the rooftop for each AC **Zone 1** Tie All Together



Select Dip Switch For AC that will control Furnace

Already at the rooftop for each AC

Generally only 1 unless multiple furnaces available

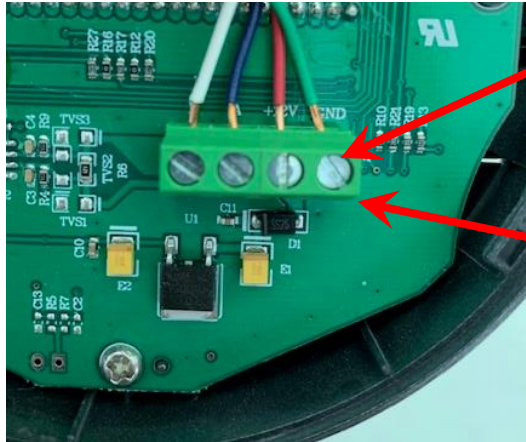
Already at the rooftop for each AC

COLEMAN (ANALOG) TO FURRION (DIGITAL)



This instruction applies to all Analog to Digital control Conversions:

- Analog operates utilizing a 12v+ switching relay via the wall thermostat to operate the rooftop relay box switch
- Digital operates via a communication language between the wall thermostat and the rooftop controller and relay switch box



Furrion 4 wire Thermostat

Connection:

- 12v+ (Red)
- Grd (Grn)
- A – Com (Blue)
- B – Com (White)

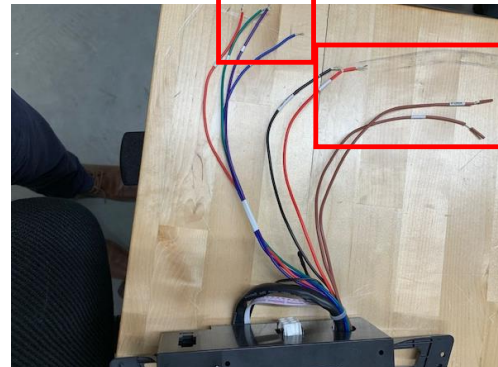
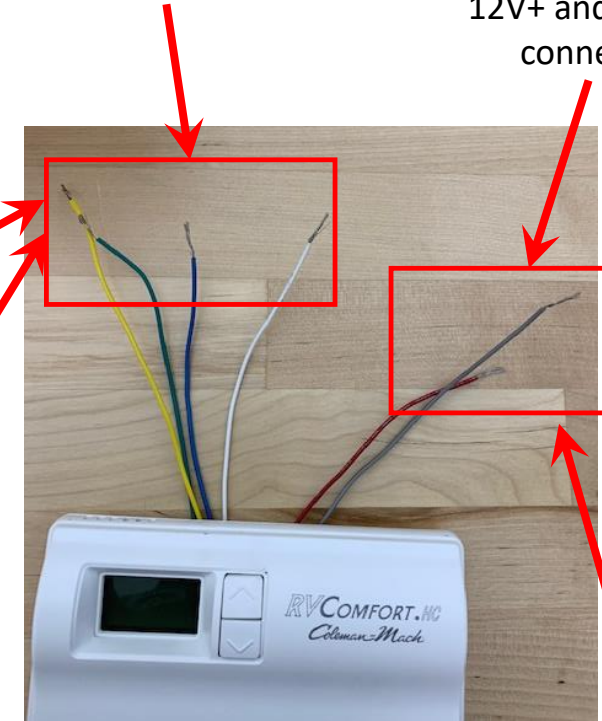
Analog - Wires colors generally indicate function

- Yellow = Compressor
- Digital – Color does not matter, but consistency is required
- Blue = Communication A

Most coaches are wired using a 4/5/8-wire thermostat wire from the OE. These wire leads can be reused for Thermostat connection

4 wires lead to Rooftop relay switch box

At the wall: 12V+ and Furnace connection



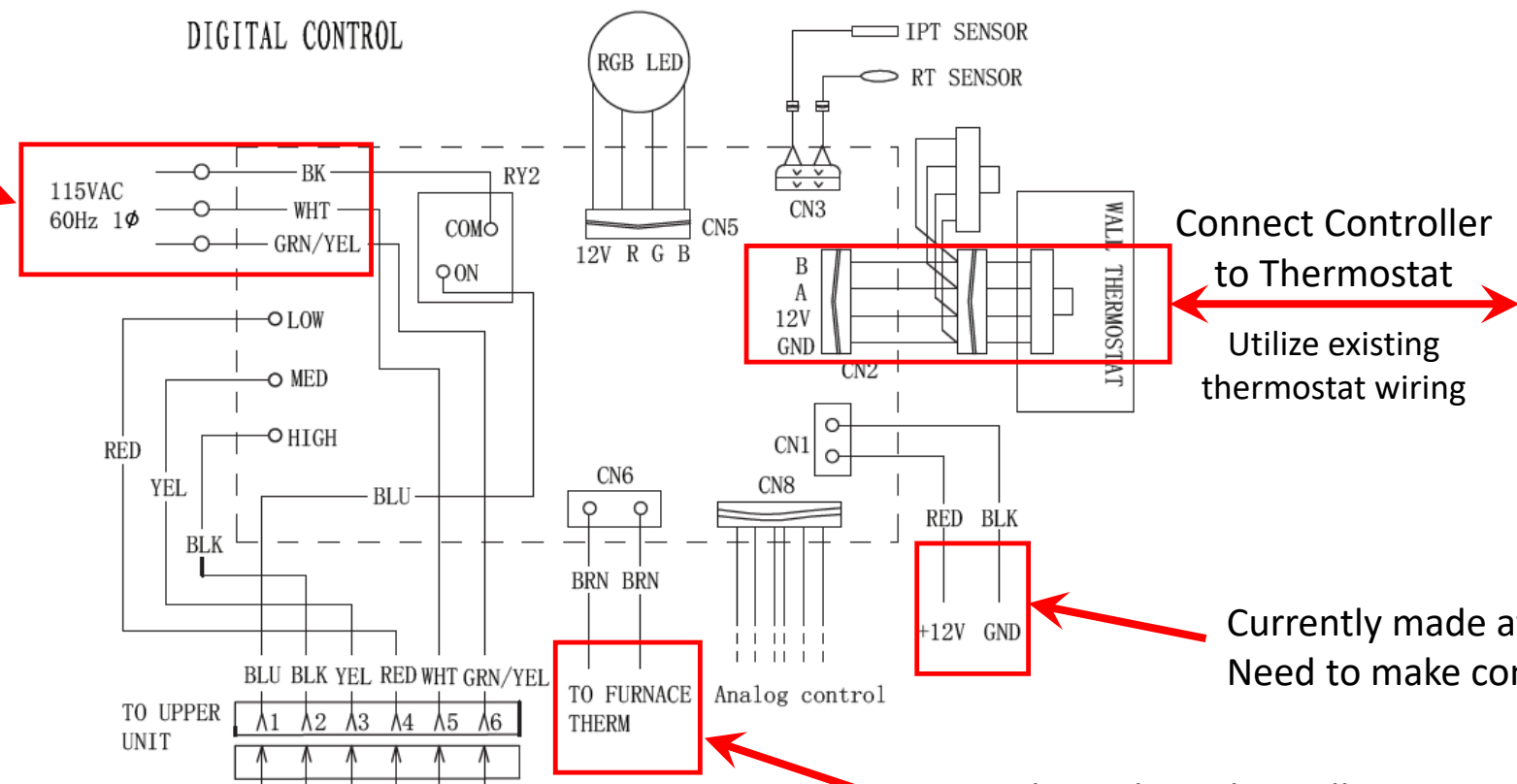
12V+ in and Furnace connection made at the ceiling, but is currently at the wall

- Run new wires
- Tie off on a constant 12V+ (watch for light and switches)
- Utilize extra thermostat wires,
 - route 12V+ from wall to ceiling
 - Tie furnace and 12V+ at the ceiling together
 - Route furnace back to wall



FURRION WIRE DIAGRAM SINGLE ZONE

Already At the rooftop



Connect Controller to Thermostat
Utilize existing thermostat wiring

Currently made at the wall
Need to make connection at the ceiling

Currently made at the wall
Need to make connection at the ceiling

