Honeywell Thermostat*

C

R

18/2 Solid Thermostat Wire

*Honeywell EIM and Thermostat communicate wirelessly

Outdoor Temperature Sensor (Wireless)

1st floor Temperature Sensor (Wireless)

2nd Floor Temperature Sensor (Wireless)

Wireless Controller

Furnace Enclosure

Furnace Control Board

NOTE: ACRDJ REMOVED

W2

W/W1

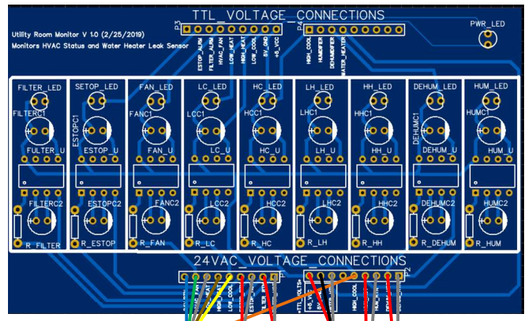
R

G

COM

Y/Y2

Y1



18/8 Solid Thermostat Wire

18/8 Solid Thermostat Wire

COM

Y/Y2

Y1

AC Unit

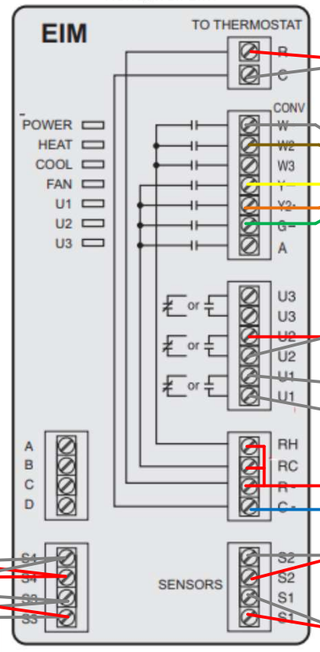
Duct Pressure Switch connected before and after filter to measure filter pressure drop

C NO NC

If pressure exceeds ~0.19"wc equating to ~0.1"wc above a "clean" filter pressure of 0.085"wc, then a "Dirty Filter Alert" will be displayed

18/2 Solid Thermostat Wire

Honeywell EIM



18/8 Solid Thermostat Wire

AC Coil Condensate NC Float Switch

18/2 Solid Thermostat Wire

Both Condensate NC switches wired in series programmed for "System Shutdown Alert"

When either dry contact opens during an issue, **the thermostat will not allow operation of heating, cooling, fan, Humidify, or Dehumidify equipment until the issue is resolved**

18/2 Solid Thermostat Wire

18/2 Solid Thermostat Wire

Supply Temp Sensor

18/2 Solid Thermostat Wire

Return Temp Sensor

Humidifier Wall 120/ 24 XFMR

HOT

NEU

18/2 Solid Thermostat Wire

18/2 Solid Thermostat Wire

18/2 Solid Thermostat Wire

A

B

Humidifier

Duct Pressure Switch connected across supply and return ducts

C NO NC

18/2 Solid Thermostat Wire

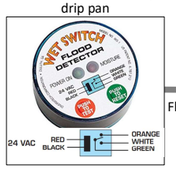
Condensate Trunk Line NC Float Switch

NOTE: Float Switch only effects operation of Dehumidifier

When the dry contact opens during an issue the dehumidifier will no longer receive command for operation and will shutdown. Furnace operation is not impacted.

No indication of this event will occur on the thermostat, no audible alarm will occur. Check the status light on the detector switch if high humidity levels occur to check if the switch is activated.

Float switch in dehumidifier secondary drip pan



Float Switch Integrated Wire

18/2 Solid Thermostat Wire

DCHU

COM

24V

Dehumidifier

NOTE: Dehumidifier generates independent 24 volt power separate from furnace

NOTE: Dehumidifier wired to only run when HVAC fan is NOT running

To prevent air backflow into the dehumidifier during HVAC fan operation, the duct pressure switch interrupts the command signal to the dehumidifier when pressure is present in the ducts.

If HVAC fan is set to "ON" dehumidifier operation will not occur until HVAC fan is configured to either "AUTO" or "CIRC"

18/2 Solid Thermostat Wire