#### W7212 to W7220/JADE

- Rumor is that Carrier will have access to the W7212 till the end of 2013. At that point the only option is going to be the JADE controller.
- Learning the conversion from other controllers to the JADE is going to be mandatory!

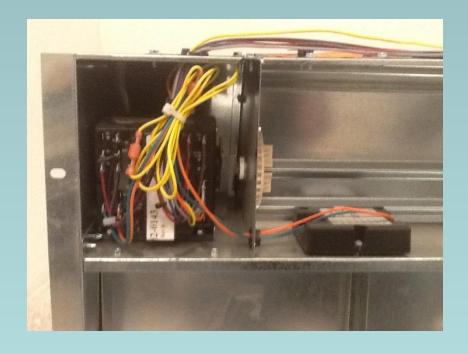




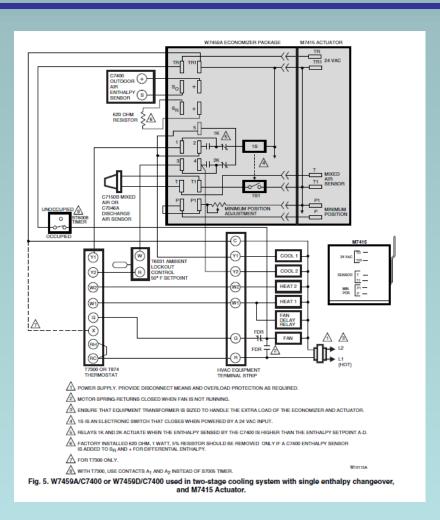
#### Micrometl W7212 Economizer

An existing economizer with newer style actuator

If this were a W7459
you would need to
replace the actuator
as well as the
controller



# Older Honeywell Termination



#### **Terminals Function**

- TR-24 Volts
- TR1-24 Volts Common
- 1- Y1 Call from Thermostat
- 2&5- Y1 Signal to Compressor1
- 3- Y2 Call from Thermostat
- 4- Y2 Signal to Compressor 2
- T & T1 -Mixed Air Sensor
- SO & + -Outside Air Sensor
- P & P1 Minimum Position

#### Carrier RTU Economizer Conversion

 Understanding the wiring diagram is the biggest challenge. Once the use of each wire is know this will be easy

- 24 volts	TR

– 24 volts comTR1

Y1 from stat

Y1 to compressor2 and 5

Y2 from stat

Y2 to compressor4

24 volts

**Black** 

24 volts com

Brown

Y1 from stat

Blue

Y1 to compressor

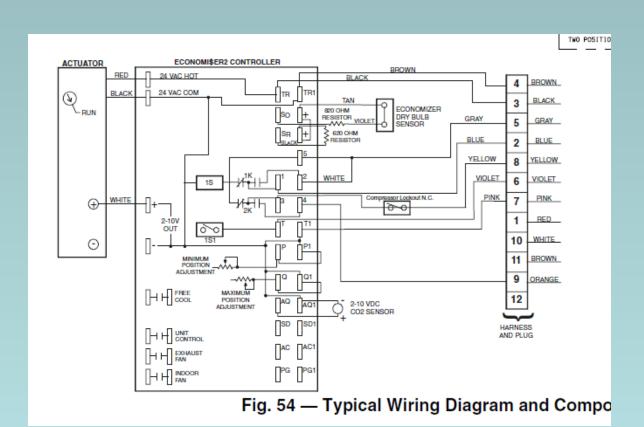
Gray

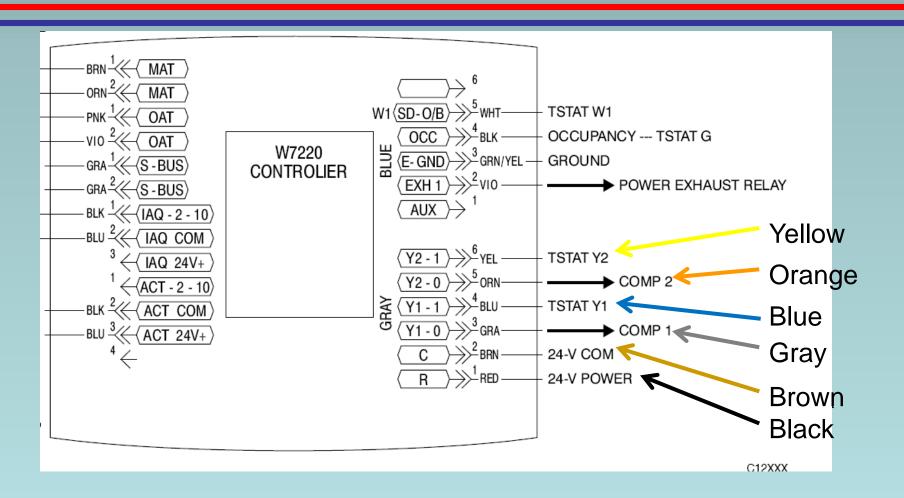
Y2 from stat

Yellow

Y2 to compressor

Orange





### Sensors

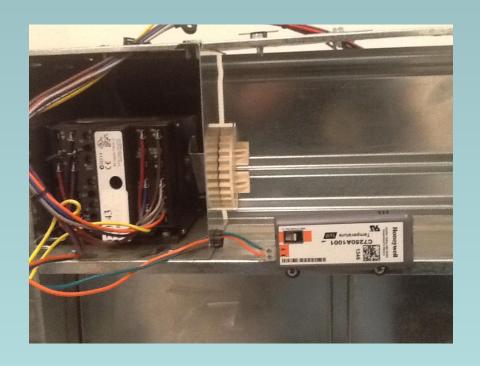
#### **Connect Sensors**

- OAT
  - Green
  - Orange
- SAT(MAT)
  - Pink
  - Violet



## **OAT Sensor**

- Mount Sensor is a location for good OAT reading
- Rewire existing tow wires to new sensor
  - Not polarity sensitive



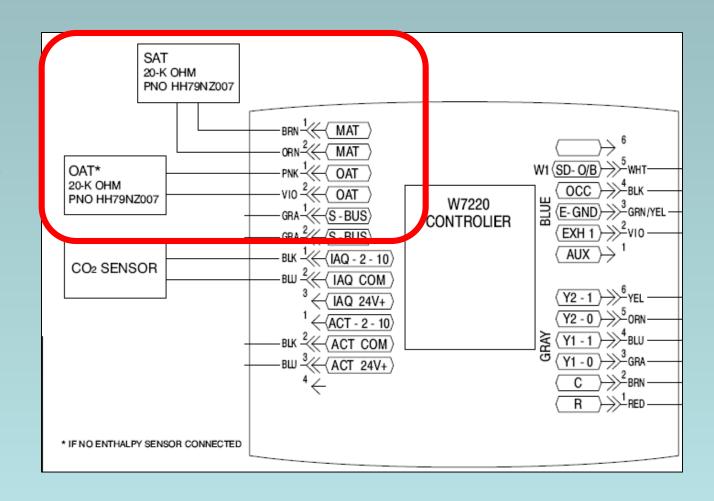
# Supply Sensor

This location is really in the blower compartment and then mounted on side of blower housing

Part# C7250A 1001

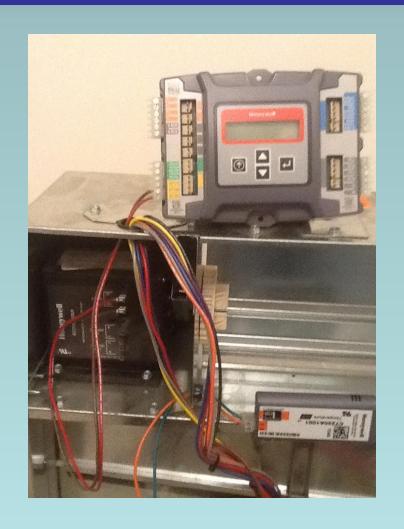


New 20K sensors with new or old wiring

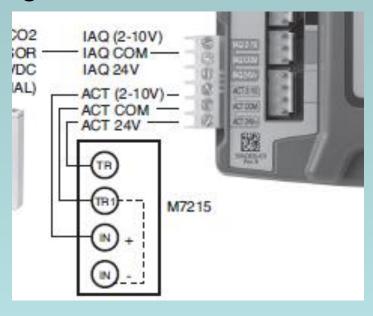


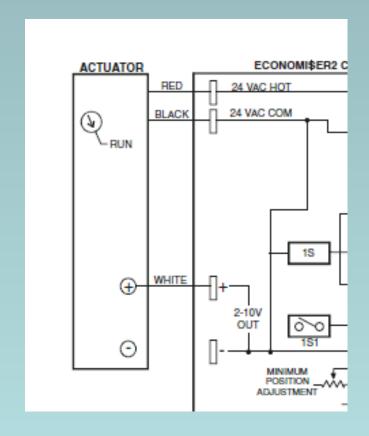
### Wire Power to Actuator

- Cut the existing harness with enough wire for new sensor location
  - Starting herewith the powerto the actuator



# Actuator Existing 3 wire M7215 Page 7





#### **Actuator**

- If you are converting a W7459
  with a M7415 you will need to
  replace the actuator. The
  W7215 is a drop in for the
  M7415.
- Honeywell does make kits that include all the parts needed to convert a system over

# Powering the Controller

Use the unit end of harness and wire to the power inputs to the new controller



# **Cooling Connections**

- Landing Wires:
  - Inputs for Y1(blue) and Y2(yellow)
  - Outputs to compressorY1(gray) and Y2(Orange)



# Finishing

# Mount the controller is a good location

- Program
- Test
- Go to your next
   Service Call

