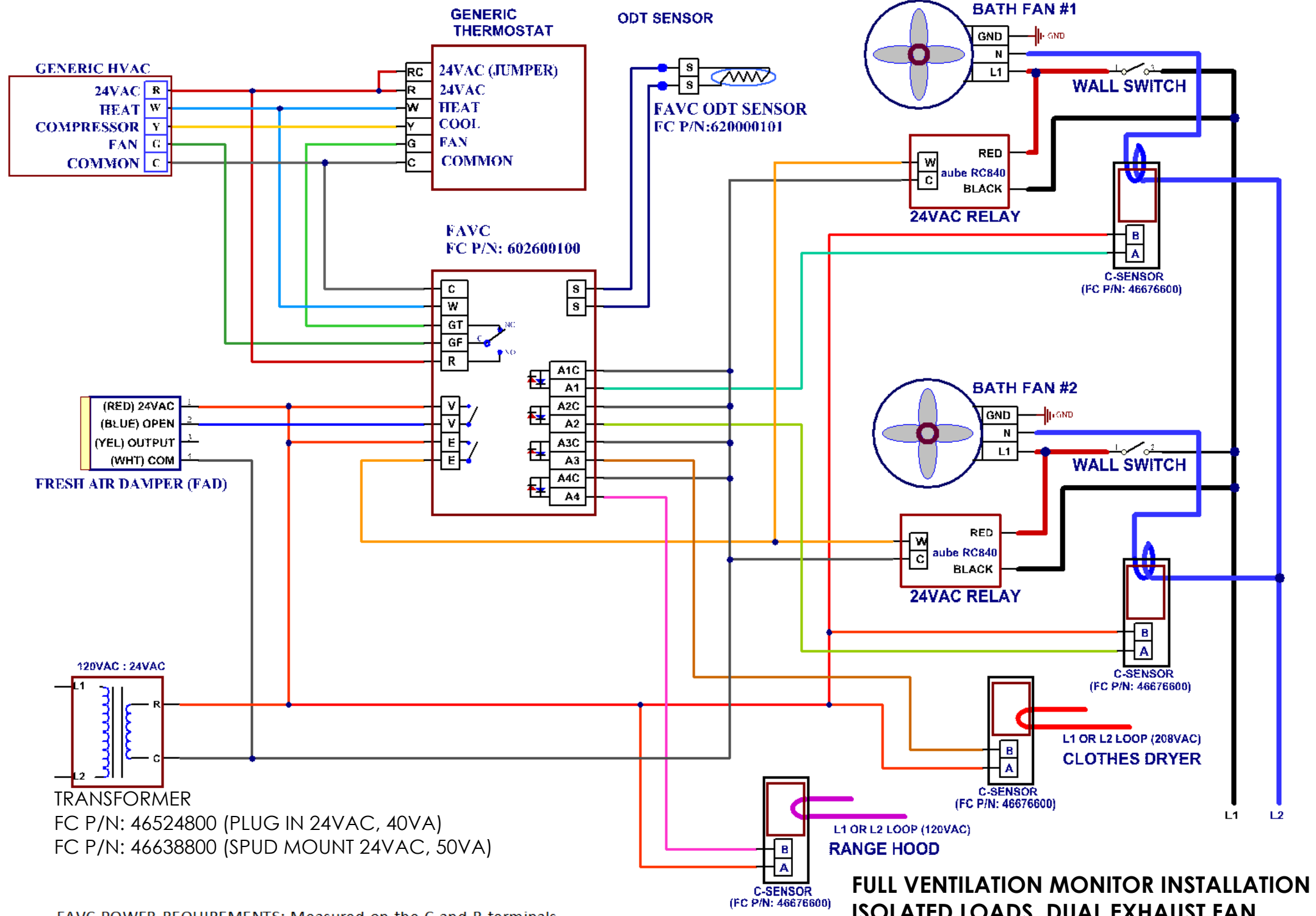


SYMBOL	DESCRIPTION
[K]	KEY DIMENSION
[C]	CRITICAL DIMENSION

EXTERNAL POWER SUPPLY WIRING  
ISOLATED LOADS FROM AIR HANDLER RESOURCES

NOTES:

1. GENERIC WIRE DIAGRAM OF FAVC TO CONVENTIONAL HVAC APPLIANCE. FAN WIRE FROM THERMOSTAT MUST BE CONNECTED DIRECTLY TO FAVC GT TERMINAL. GF TERMINAL MUST BE WIRED TO HVAC G TERMINAL. THIS WILL ALLOW FAVC TO OPERATE THE CENTRAL FAN WHEN THE THERMOSTAT IS IDLE.
2. WALL SWITCHES WHEN TURNED ON WILL OPERATE THE BATHROOM EXHAUST FAN. CURRENT THROUGH THE C-SENSOR WILL ACTIVATE THE MONITOR CIRCUIT FOR EACH BATH FAN INDEPENDENTLY. INDEPENDENT BATH FAN SETTINGS ARE PROVIDED TO ACCOUNT FOR DIFFERENCES IN THE FAN CFM RATINGS.
3. EXHAUST FAN CONTROL: ENERGY SAVING MODE, DIP SWITCH #4 MUST BE TURNED ON TO ACTIVATE THE ENERGY SAVING MODE FOR OPTIMAL PERFORMANCE. WHEN ACTIVATED, THE FAVC WILL MINIMIZE THE USE OF THE CENTRAL AIR HANDLER FAN AND USE THE BATH FAN (S) TO COMPLETE THE VENTILATION CYCLE. EVERY 4 HOURS, THE FAVC WILL TURN ON THE CENTRAL AIR HANDLER FAN TO ENSURE AIR CIRCULATION HAS OCCURRED IF THE THERMOSTAT REMAINS IDLE FOR AN EXTENDED PERIOD OF TIME.
4. RANGE HOOD AND CLOTHES DRYER MONITORING: THE FAVC HAS THE CAPABILITY TO ACCOUNT FOR EXHAUST AIR FROM A RANGE HOOD AND CLOTHES DRYER. WHEN SIGNAL IS APPLIED TO THE RANGE HOOD TERMINALS, THE FAVC WILL TURN ON ALL OUTPUTS (CENTRAL AIR HANDLER FAN, VENT, AND EXHAUST FAN). THE CLOTHES DRYER MONITOR CAN BE CONFIGURED TO CYCLE THE CENTRAL AIR HANDLER FAN (DIP SWITCH #3 WHEN TURNED ON), OR ONLY OPERATE THE VENT AS A PASSIVE FUNCTION (DIP SWITCH #3 TURNED OFF). FOR EXTENDED USE OF THE RANGE HOOD, THE FAVC WILL ACCOUNT FOR UP TO 8 HOURS AND POSTPONE THE NEXT VENTILATION CYCLE FOR UP TO 4 HOURS AFTER THE RANGE HOOD SIGNAL IS TERMINATED BY THE MONITORED APPLIANCE.
5. THE FAVC HAS BUILT IN PROTECTION FOR GAS AND OIL BURNING FURNACE PLENUMS THAT WILL PREVENT THE RETURN AIR FROM REACHING A CONDENSING CONDITION WITHIN THE FURNACE. THIS WILL ALSO PROTECT AGAINST FREEZE UP CONDITIONS IF THERE IS A HYDRONIC BACKUP HEAT EXCHANGER IN USE.



**FRESH AIR DAMPER (FAD)**  
 (RED) 24VAC  
 (BLUE) OPEN  
 (YEL) OUTPUT  
 (WHT) COM

**TRANSFORMER**  
 FC P/N: 46524800 (PLUG IN 24VAC, 40VA)  
 FC P/N: 46638800 (SPUD MOUNT 24VAC, 50VA)

**FAVC POWER REQUIREMENTS:** Measured on the C and R terminals  
 Excluding connected loads to the output terminals.

**VOLTAGE RANGE:** 18VAC UP TO 32VAC  
**IDLE CHARACTERISTICS:** 21mA, 0.3W, 0.57VA  
**ALL OUTPUTS ACTIVE:** 60mA, 1.1W, 1.6VA

**FULL VENTILATION MONITOR INSTALLATION  
 ISOLATED LOADS, DUAL EXHAUST FAN  
 CONTROL, MONITORING OF 4 APPLIANCES.**

 KINSTON, N.C 28504 USA	<b>TOLERANCE (UNLESS NOTED)</b> FRACTIONAL: ± 1/32 ANGLES: ± 2° X.X DECIMAL: ± 0.050 X.XX DECIMAL: ± 0.010 X.XXX DECIMAL: ± 0.005	DESCRIPTION: FAVC CONVENTIONAL HEAT / COOL			
		ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		P/N: 780300905	REV: B
		ORIG ECO 8651	REV ECO 8666	SHEET 1:1	DWN BY: EAH
		APVD BY: MRL	DATE: 10/03/2017		

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