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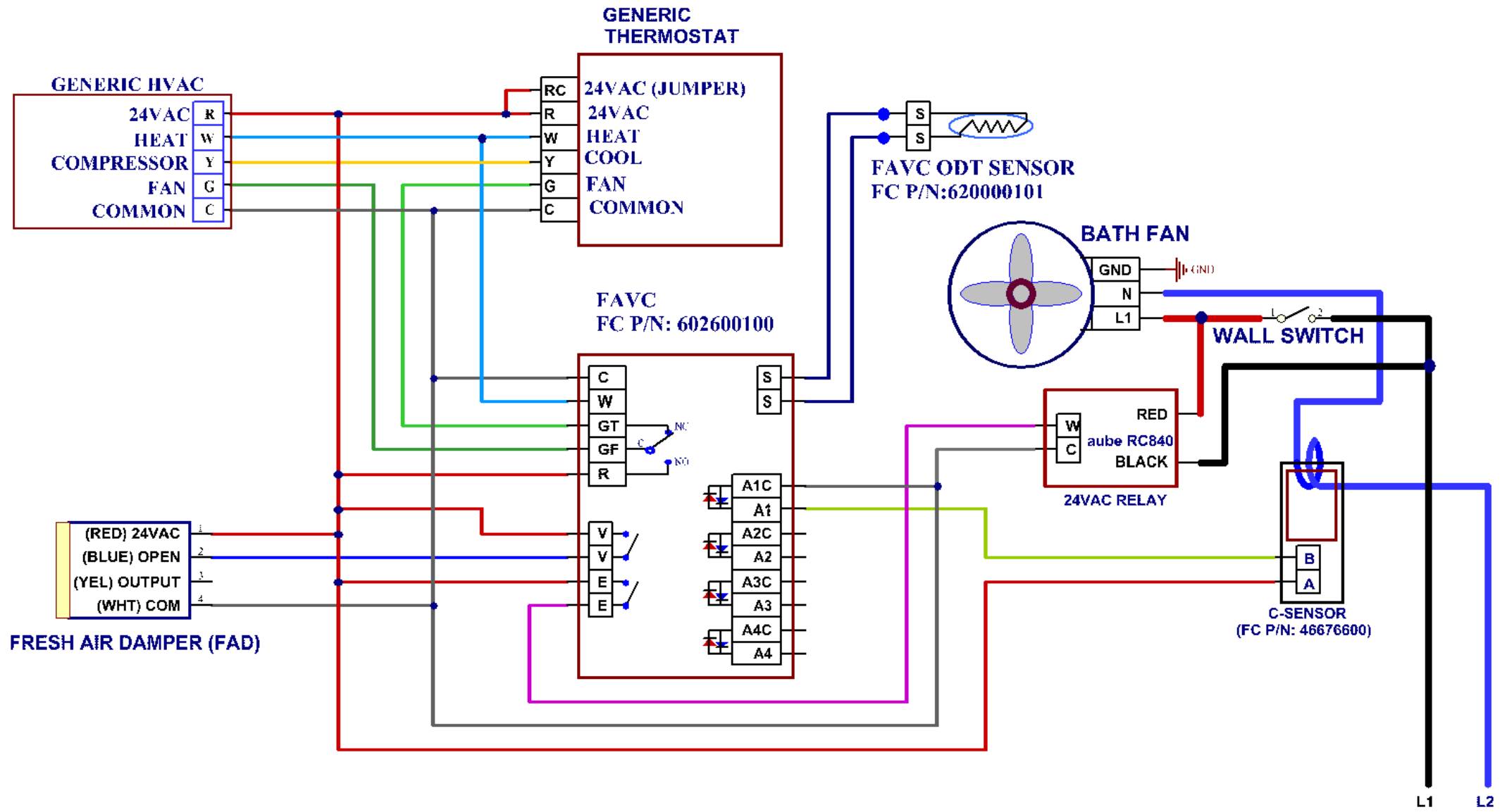
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SYMBOL	DESCRIPTION
[K]	KEY DIMENSION
[C]	CRITICAL DIMENSION

ALL POWER RESOURCED FROM AIR HANDLER

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 SWITCH WHEN TURNED ON WILL OPERATE THE BATHROOM EXHAUST FAN. CURRENT THROUGH THE C-SENSOR WILL ACTIVATE THE MONITOR CIRCUIT FOR EACH BATH FAN INDEPENDENTLY. WHEN USING ONLY ONE BATH FAN, USE B1/B1C TERMINALS ONLY.
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. UNUSED MONITOR INPUTS (BATH FAN #2, DRYER AND RANGE HOOD WILL BE IGNORED.)
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.
6. THE EXTERNAL TRANSFORMER MAY BE REQUIRED IF THE AIR HANDLER POWER SUPPLY DOES NOT HAVE ENOUGH OVERHEAD IN SUPPLIED VA RATING.



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
INPUT CURRENT: 5mA per circuit

FAD POWER REQUIREMENTS (TYPICAL)
VOLTAGE RANGE: 20VAC UP TO 32VAC
OPENING (DAMPER IN MOTION): 100mA, 2.3W
HOLDING POWER: 73mA, 0.8W
CLOSING (DAMPER IN MOTION): 100mA, 1.5W

Aube RC840: (Honeywell Company)
HOLDING POWER: 56mA, 1.5W

VENTILATION INSTALLATION WITH EXHAUST FAN CONTROL AND MONITORING

 KINSTON, N.C. 28504 USA	TOLERANCE (UNLESS NOTED) 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		P/N: 780300908		REV: B					
		ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED			ORIG ECO	REV ECO	SHEET	DWN BY: EAH	DATE: 11/14/2016	APVD BY: MRL	DATE: 10/05/2017
		8651	8666	1:1							

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FILE NAME: 780300908.SLDDRW

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