

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

REVISION TABLE				
REV.	DATE	ECN	DESCRIPTION OF CHANGE	BY
A	4/12/2019	0678	DRAWING CREATED	EAH

B

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

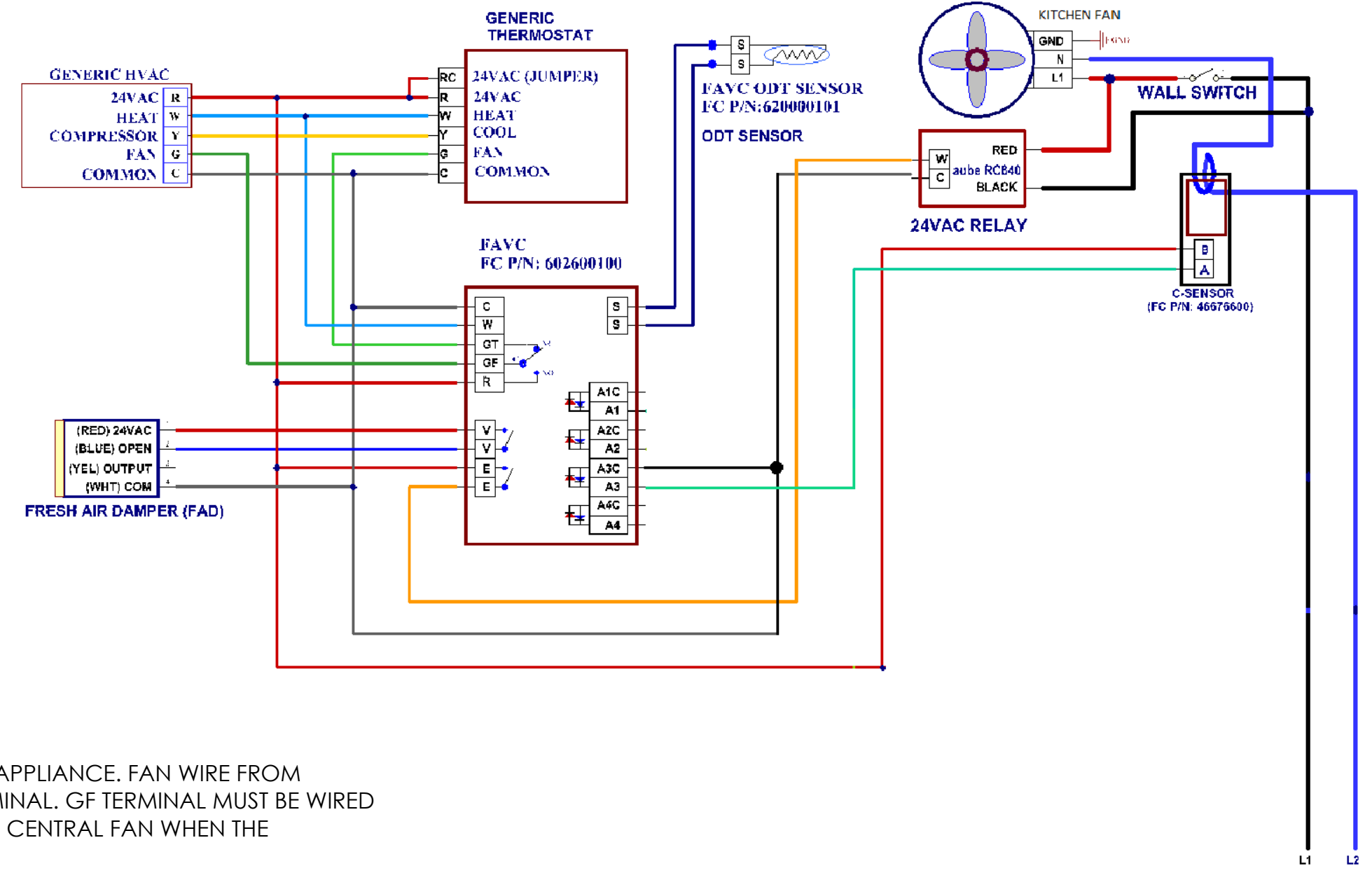
FAD POWER REQUIREMENTS (TYPICAL)
VOLTAGE RANGE: 20VAC UP TO 32VAC
OPENING (DAMPER IN MOTION): 100mA, 2.3W
HOLDING POWER: 73mA, 0.8W
CLOSING (DAMPER IN MOTION): 100mA, 1.5W

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

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 SWITCHES WHEN TURNED ON WILL OPERATE THE KITCHEN FAN. CURRENT THROUGH THE C-SENSOR WILL ACTIVATE THE MONITOR CIRCUIT FOR FAN INDEPENDENTLY. INDEPENDENT FAN SETTINGS ARE PROVIDED TO ACCOUNT FOR DIFFERENCES IN THE FAN CFM RATINGS.
3. SET DIP SWITCH #3 TO OFF TO NOT TURN ON CENTRAL FAN WHENEVER KITCHEN EXHAUST IS RUNNING.
4. 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 BACK UP HEAT EXCHANGERS IN USE.
5. THE EXTERNAL TRANSFORMER MAY BE REQUIRED IF THE AIR HANDLER POWER SUPPLY DOES NOT HAVE ENOUGH OVERHEAD IN SUPPLIED VA RATING.



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KITCHEN EXHAUST FAN MONITOR AND CONTROL

 FIELD CONTROLS 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 KITCHEN EXH FAN MONITOR/CONTROL FAD			
		ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		P/N: 780300919	REV: A
		ORIG ECO: 0678	REV ECO: -	SHEET: 1:1	DWN BY: AMT

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