ENGINEERING DATA

FIELD CONTROLS
Improving Indoor Environments

Model: FAPV-180AC
Fresh Air Power Ventilator

MODEL   PART NUMBER

FAPV-180AC   602603700

ITEMS INCLUDED IN KIT

• FAPV inline fan unit
• MERV-6 washable filter
• Mounting Brackets (2)
• #10 sheet metal screws, blunt point (4)
• Instruction Booklet

REPLACEMENT PARTS

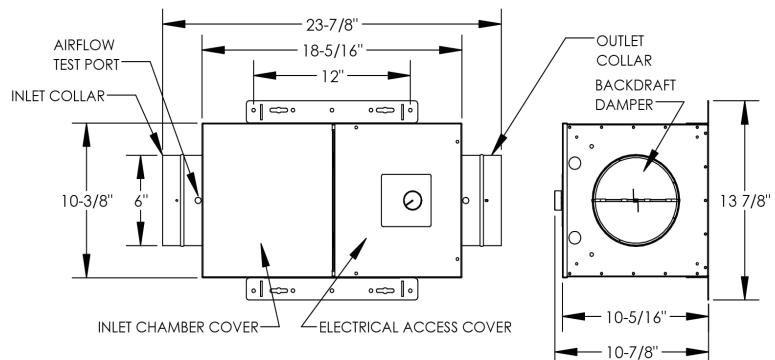| Description	Part Number
FAPV-Prefilter	602604700
Motorized Impeller	602604800
Electronic Speed Control	04312200
24VAC Relay	46161400
8 Microfarad Motor Capacitor	602604900

DESCRIPTION

The FAPV Power Ventilator is an inline duct-connected fan intended for use to provide fresh outdoor air for the purpose of meeting indoor ventilation code requirements and occupant preferences, and to provide makeup air to counteract indoor depressurization as may be caused by exhausting appliances such as range hoods, open fireplaces, and exhaust fans.. Fresh outdoor air is brought in through an outdoor intake air hood and ducted into the ventilator, which discharges the fresh air either by duct connection to HVAC ductwork (see further instructions), or directly into the space to be ventilated, such as a mechanical closet.

SPECIFICATIONS

Motorized Impeller Specifications	PSC Motor Class F Insulated Thermally protected UL, CSA recognized Impeller rated UL 94-5VA flammability Sealed ball bearings Nominal RPM: 2600
Power Supply	115 VAC, 60 Hz
Watts (mx speed)	85W
Amps (max speed)	0.90A
Temperature Range	-22 to 140°F Ambient Outdoor Temperature
Control Voltage (optional)	24 VAC
Air Flow Range	30 to 220 cfm @ 0.20 Static Pressure
Filtration	MERV 6, Washable, UL-900 rated

DIMENSIONAL DATA

FIELD CONTROLS
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Field Controls
2630 Airport Road
Kinston, NC 28504

252 522-3031
Fax: 1 (800) 367-7942

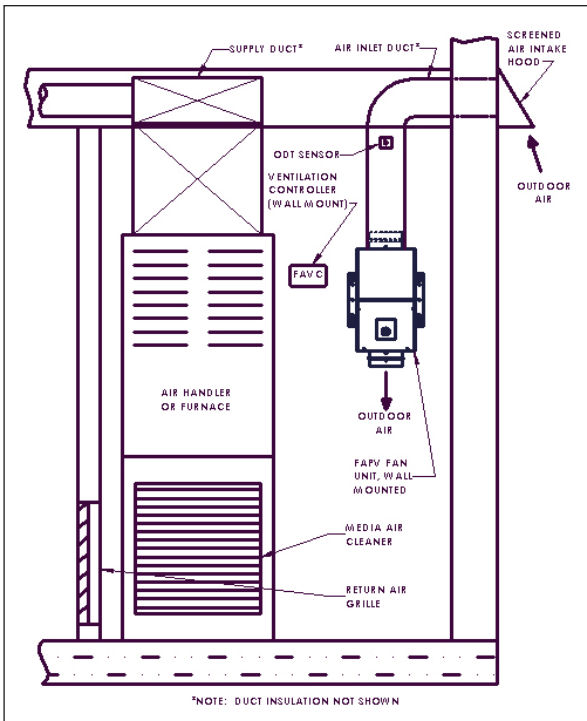Visit us at: www.fieldcontrols.com

ENGINEERING DATA

INSTALLATION

FIGURE 1: MECHANICAL CLOSET TYPICAL INSTALLATION

FIGURE 2: HVAC PLENUM TYPICAL INSTALLATION

NOTE: DUCT INSULATION NOT SHOWN
* FAVC MUST BE MOUNTED PER FAVC INSTALLATION INSTRUCTIONS
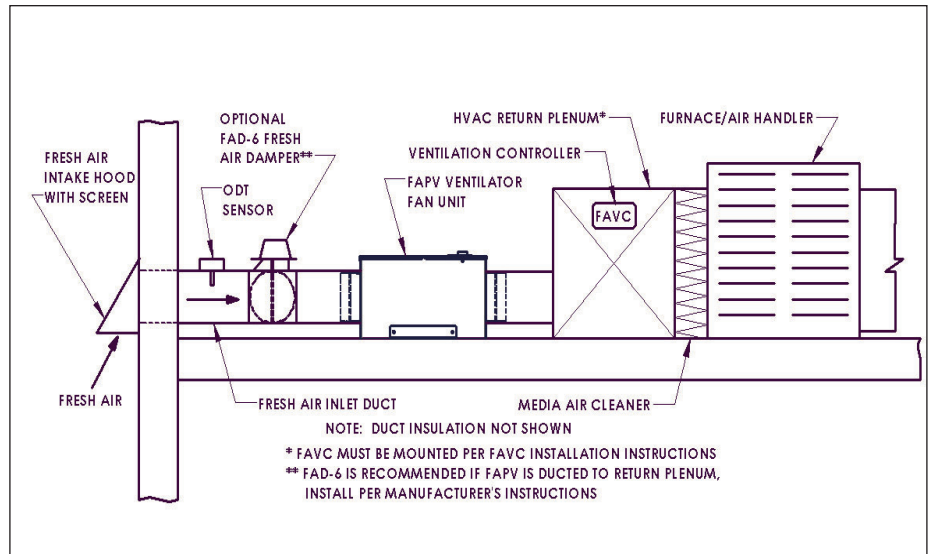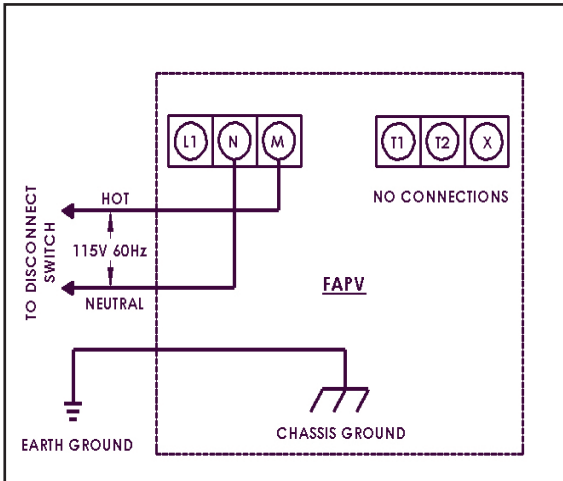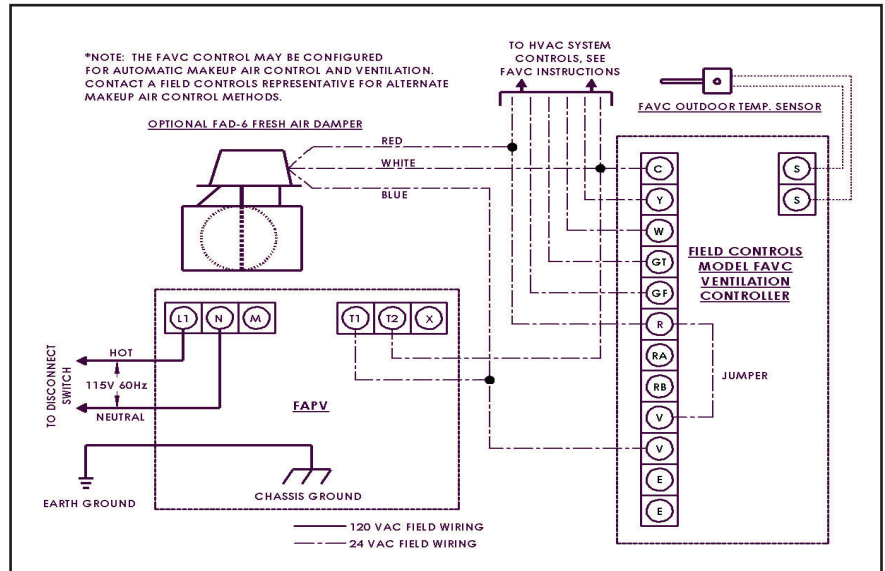** FAD-6 IS RECOMMENDED IF FAPV IS DUCTED TO RETURN PLENUM, INSTALL PER MANUFACTURER'S INSTRUCTIONS

WIRING

Wiring Diagram A: STAND ALONE OPERATION

Wiring Diagram B: INTERMITTENT OPERATION

PROJECT INFORMATION

Quoted by:	Date:
Project:	Remarks:
Quantity:	
Model:	
Site:	
Architect	
Engineer:	
Contractor:	