

FAILURE TO READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLING OR OPERATING THIS CONTROL COULD CAUSE PERSONAL INJURY AND/OR PROPERTY DAMAGE.

PARTS INCLUDED

- 48M55-751 Air Handler Control
- Installation Instructions
- 4 – 3/4" Sheet Metal Screws

DESCRIPTION

48M55-751 is an aftermarket OEM Direct replacement control for Carrier and ICP air handlers. The control can be configured to replace either PSC or ECMx (constant torque) blower motors.

SPECIFICATIONS & TIMINGS

Input Voltage:

24 VAC, 50/60 Hz (Class II transformer)

Operating Temperature Range:

-40° to 176°F (-40° to 80°C)

Humidity Range:

5 to 95% relative humidity (non-condensing)

Timings:

Thermostat Call	Blower ON Delay	Blower OFF Delay (SW1)
Fan (G)	None	0 or 90 seconds
Electric Heat (W)	None	None

⚠ CAUTION





Risk of Electric Shock. Disconnect electric power to system until installation is complete. Do not use on circuit exceeding specified voltage. Higher voltage will damage control and could cause shock or fire hazard.

This control is not intended for use in locations where it may come in contact with water.

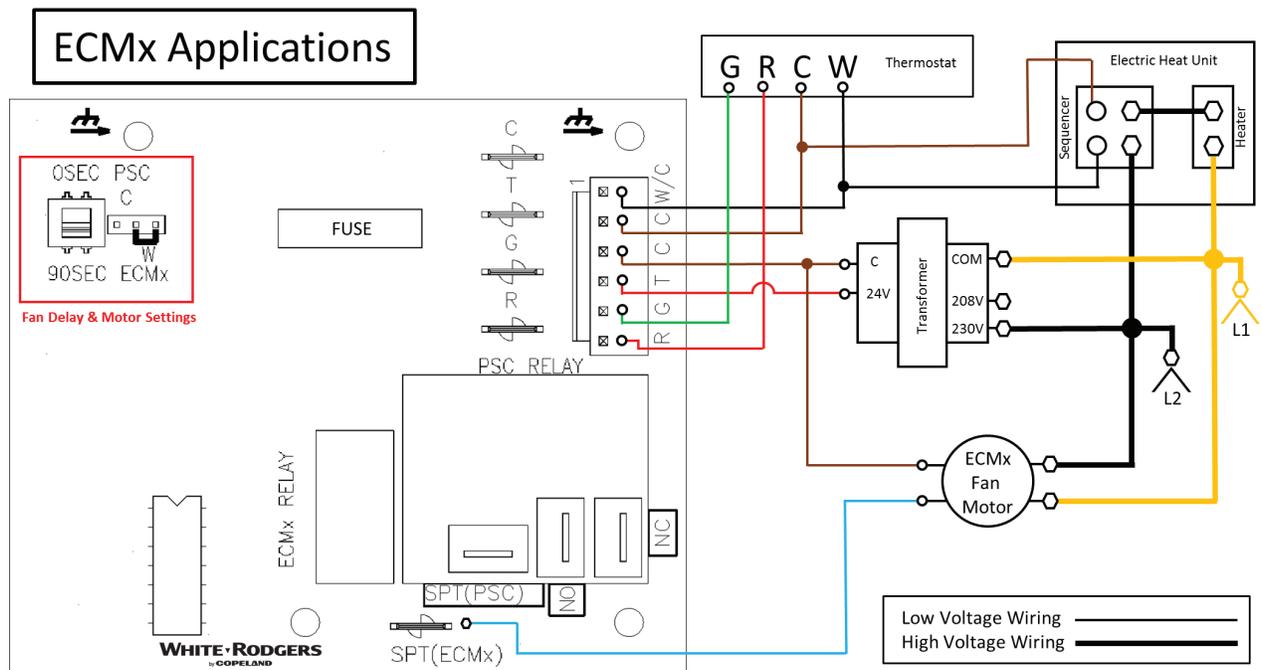
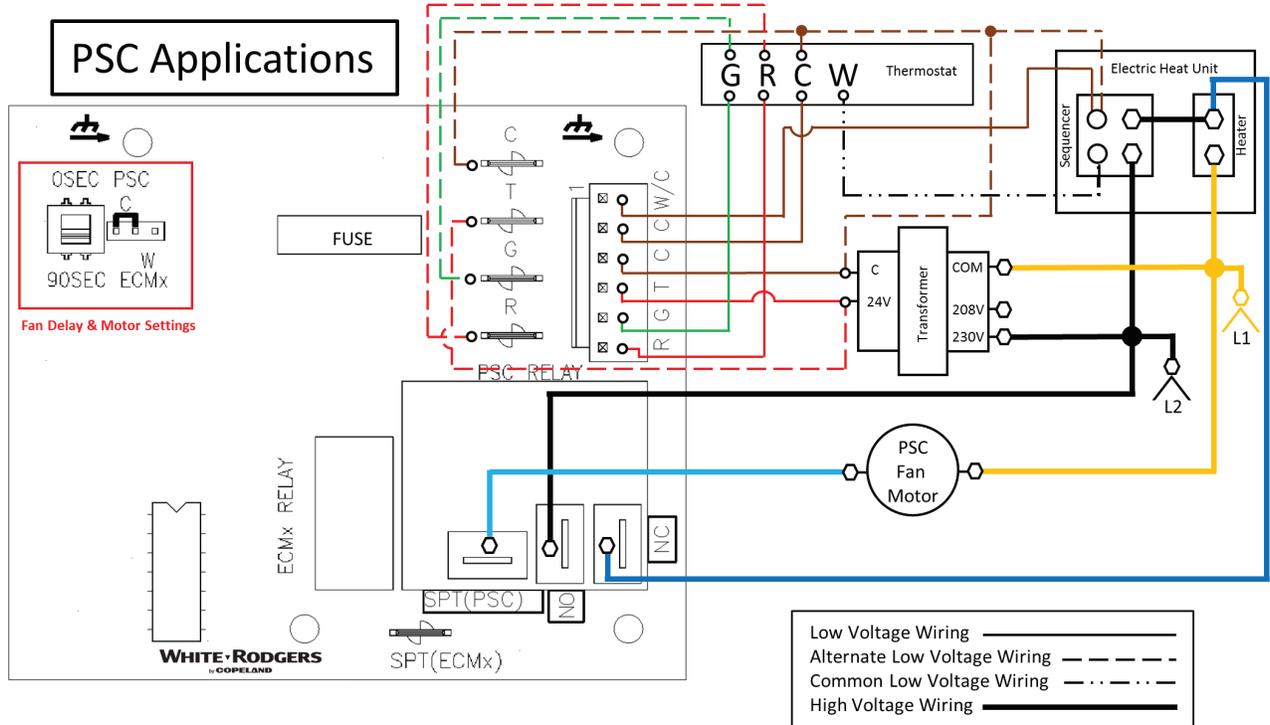
INSTALLATION, MOUNTING, AND WIRING

NOTE: Install all wiring according to local and national electrical codes and ordinances

1. Prior to removing the old control, mark or take a picture of the wiring connections.
2. Mount the new control using supplied sheet metal screws, ensure the indicated ground points are secured.
3. For PSC blower applications, the thermostat and transformer connections can be made using either the 1/4" spade terminals or the 6-pin inline connector on the control. Remove the protective cap from the spade terminals on top of the PSC relay and connect the motor and power leads.
4. For ECMx blower applications, the thermostat and transformer connections are made using the 6-pin inline connector. Remove the protective cap from the ECMx SPT terminal and connect the motor lead.
5. Configure the control for PSC applications by placing the jumper on the pins marked C PSC. Configure the control for ECMx applications by placing the jumper on the pins marked W ECMx (default). Note that this setting configures pin 1 of the inline connector as **either C** for PSC motors **or W** for ECMx motors.
6. Select the blower off delay for fan (G) calls by setting the dipswitch to either 0 or 90 seconds (default).



WIRING DIAGRAMS



TECHNICAL SUPPORT: 1-888-725-9797