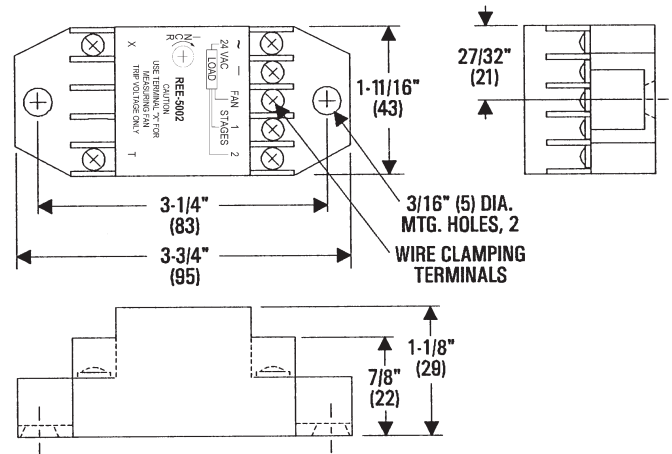
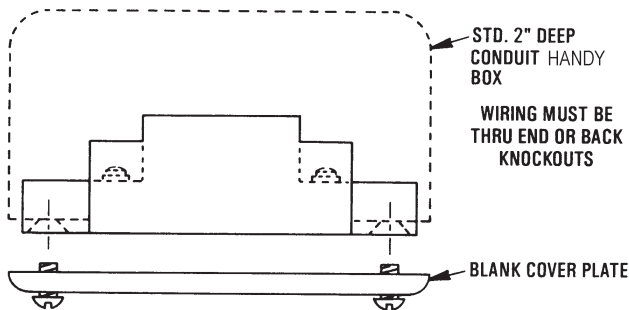


Installation Guide

Mounting

The REE-5002 may be mounted directly to a control box surface or in a 2 x 4" electrical handy box. Add a blank cover to conceal the module if desired.



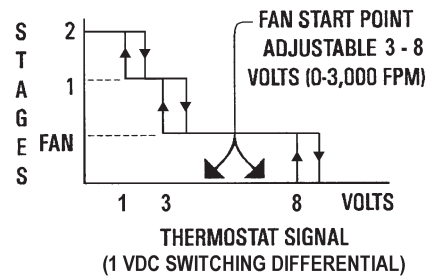
Connections and Wiring

Connect as shown below and/or in the sample illustration on the next page. Supply the relay with 24 VAC, +20%/-15%. (Use wire size of 14 to 22 AWG, stranded.)

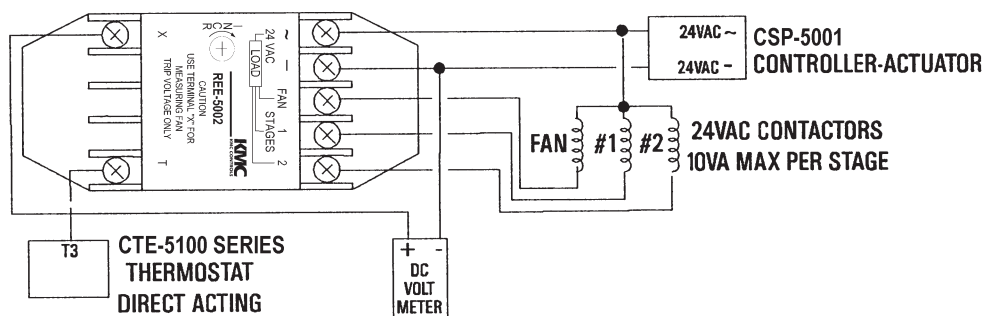
NOTE: Triac outputs are for 24 VAC loads only.

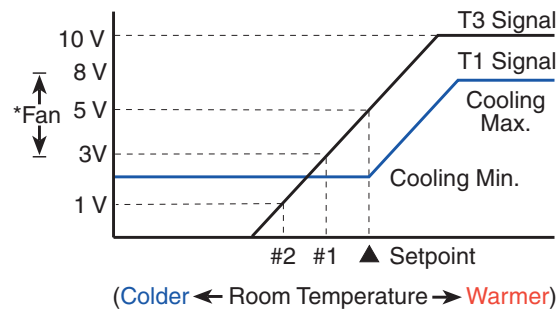
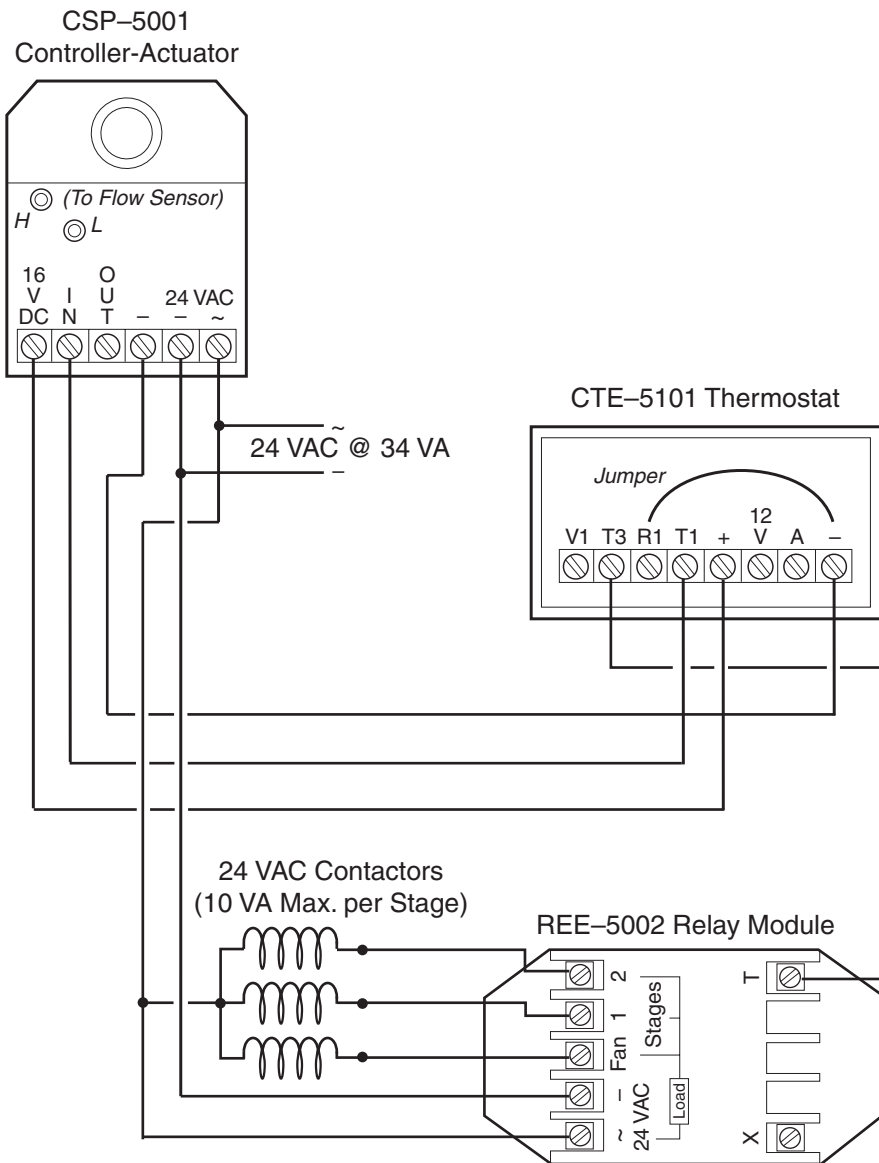
Check the graph for thermostat signal setpoints and corresponding stages. Stage 2 turns on at 1 VDC, Stage 1 at 3 VDC, and the Fan at an adjustable level between 3 and 8 VDC.

To adjust the Fan start point, connect a voltmeter between the X and - terminals and then adjust the potentiometer accordingly.



NOTE: There is a 1 VDC switching differential on each stage.





NOTE: For more information about this CSP-5001 and CTE-5101 example, see the CSP-5001/5002 VAV Flow Controller-Actuators Application Guide.

NOTE: Triac outputs are for 24 VAC loads only.

NOTE: The phase side of the transformer connects to the “common” side of the load (contactors).

Troubleshooting

- Check the wiring.
- Check the voltage from the thermostat/controller (measured from Terminal T to Terminal -/Neutral). (See the voltage charts above and on the previous page.)
- Check the voltage across the triac and load. (See the chart below.)

Stage Status	Normal Triac Voltage (Approximate, and With Load)	
	Across Load (Terminal ~/Phase to Terminal Fan, 1, or 2)	Across Triac (Terminal ~/Neutral to Terminal Fan, 1, or 2)
On	24 VAC	1 VAC
Off	0 VAC	24 VAC

Maintenance

No routine maintenance is required, however protection from extremes of humidity and dirt is recommended. Careful installation will also ensure long term reliability and performance.

KMC Controls, Inc.
 19476 Industrial Drive
 New Paris, IN 46553
 574.831.5250
www.kmcccontrols.com
info@kmcccontrols.com