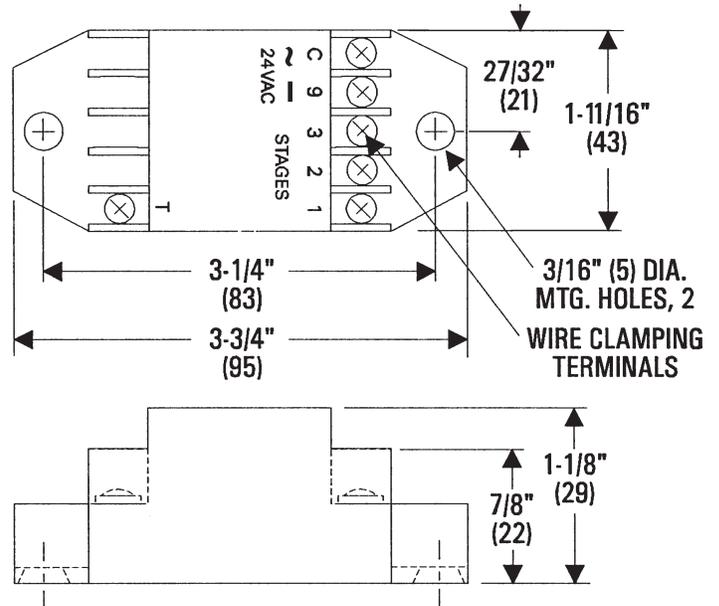
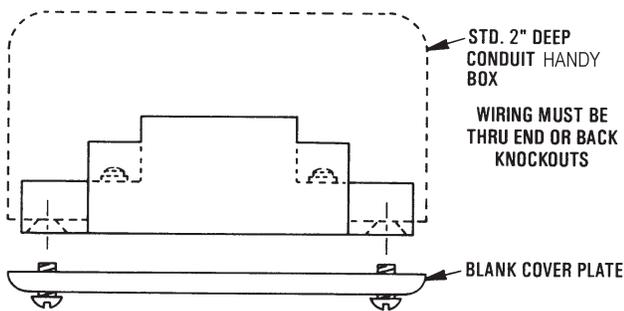


Installation Guide

Mounting

The REE-4001 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.



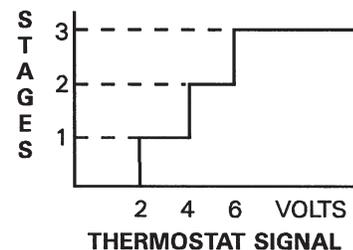
Wiring

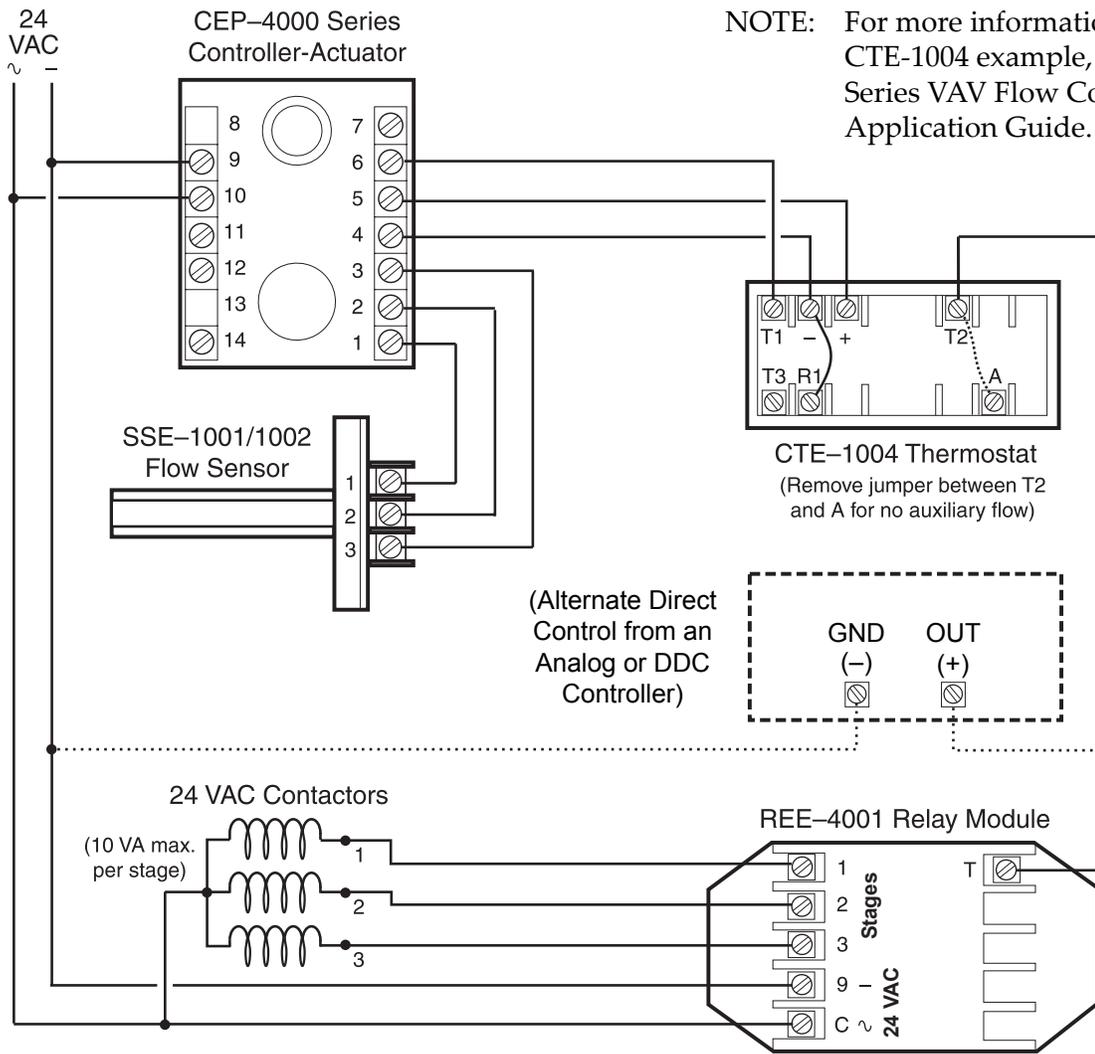
Connect as shown in the sample illustration on the next page. Supply the relay with 24 VAC, +20%/ -15%. (Use wire size of 14 to 22 AWG, stranded.)

NOTE: The "C" terminal on these relays does NOT denote AC Common/Neutral! "C" is connected to the PHASE side of the 24 VAC (and the phase side is where the three contactors are connected in "common"). "9" is the neutral side.

NOTE: Triac stages 1 through 3 are for 24 VAC loads only.

Check the graph for thermostat signal setpoints and corresponding stages. Stage 1 turns on at 2 VDC, Stage 2 at 4 VDC, and Stage 3 at 6 VDC. There is a 0.33 VDC switching differential on each stage.





NOTE: For more information about the CEP-4000/CTE-1004 example, see the CEP-4000 Series VAV Flow Controllers-Actuators Application Guide.

NOTE: "T" input is 0 to 6 VDC. (See the Thermostat Signal chart.)

NOTE: The "C" terminal does NOT denote Common/Neutral. "C" is the phase side of the 24 VAC (and is also the side the contactors have in "common"). "9" is the neutral side. Triac stages 1 through 3 are for 24 VAC loads only.

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.

Troubleshooting

- Check the wiring.
- Check the voltage from the thermostat/controller (measured from Terminal T to Terminal 9/Neutral). (See the chart 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 C/Phase to Terminal 1, 2, or 3)	Across Triac (Terminal 9/Neutral to Terminal 1, 2, or 3)
On	24 VAC	1 VAC
Off	0 VAC	24 VAC

Important Notices

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