

Description

These triac relay modules are designed primarily for use with VAV terminal units in HVAC systems. When used in conjunction with reverse acting outputs of the CTE-5202 or CTE-5100 series room thermostats, up to three stages of reheat may be controlled.

The REE-5001 is most typically used with CTE-5104 thermostats, but it can also be used with the RA outputs of the CTE-5202, CTE-5102, and CTE-5103.

The REE-5501 (with isolated outputs) is most typically used with BAC-5841-16 and BAC-5842-16 VAV Advanced Application Controllers to control a fan and two stages of heating or cooling (see the documents for those controllers for more information).

Each output circuit is capable of handling contactors of up to 10 VA @ 24 VAC. The three circuits are calibrated to actuate at equally spaced intervals across the thermostat's proportional band.

By using the REE-5001/5501, heating or cooling requirements may be actuated in three separate steps, providing precise temperature control.

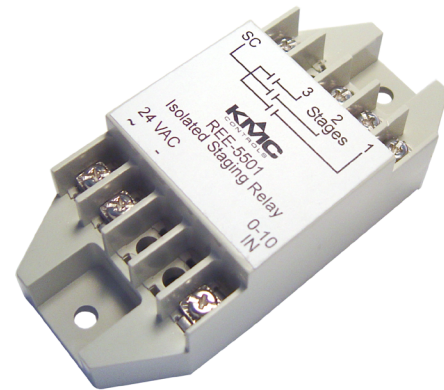
Features

- ◆ Simple installation
- ◆ Each output capable of handling contactors of up to 10 VA @ 24 VAC
- ◆ Controls up to three stages of heating or cooling
- ◆ Each stage calibrated to actuate at equally spaced intervals across the thermostat's proportional band
- ◆ Isolated outputs (REE-5501 only)

Models

REE-5001	Triac relay module
REE-5501	Triac relay module with isolated outputs

NOTE: Triac outputs are for 24 VAC loads only.

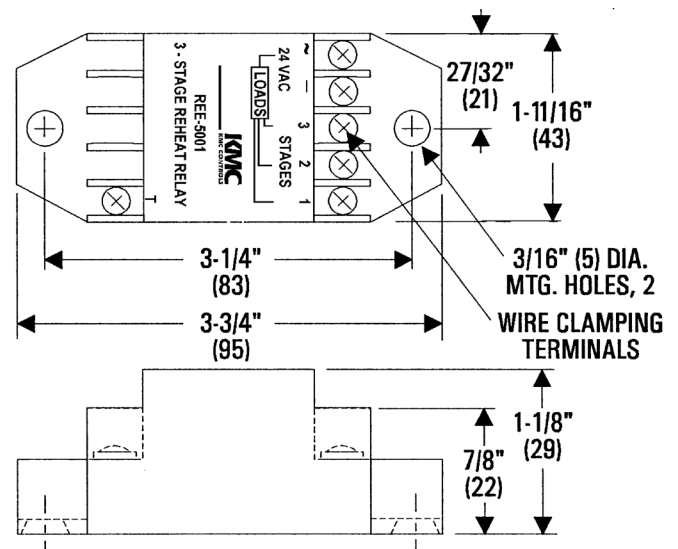


Specifications

Supply Voltage	24 VAC (+20%/-15%) @ 1 VA plus output loads
Input Signal (T)	0 to 10 VDC
Switching Differential	2 VDC (each stage)
Output Capacity	10 VA per stage @ 24 VAC
Connections	Plated screw terminals
Wire Size	14-22 AWG, stranded
Material	Beige flame-retardant plastic
Weight	2 oz. (57 grams)
Approvals	SASO PCP Registration KSA R-103263

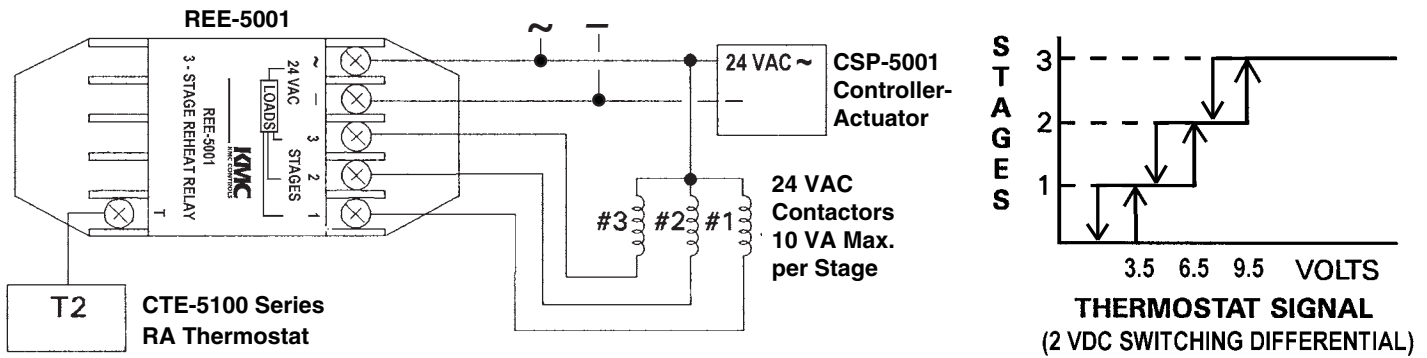
Temperature Limits

Operating	40 to 120° F (4 to 49° C)
Shipping	-40 to 140° F (-40 to 60° C)

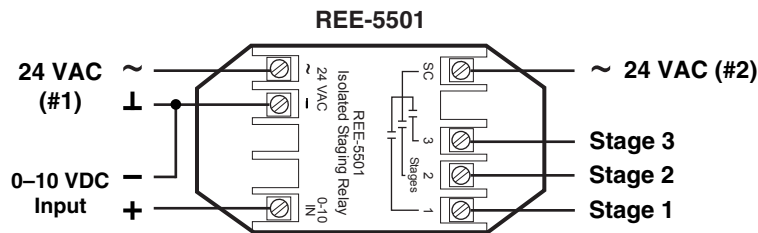


All dimensions are in inches (mm)

Sample Applications



NOTE: For information about using the REE-5001 with a CSP-5001 controller-actuator and CTE-5103 thermostat, see the [CSP-5001/5002 Applications Guide](#). For use with a CTE-5202 thermostat, see the [CTE-5202 Applications Guide](#).



NOTE: REE-5501 triac outputs are isolated from its 24 VAC power. For additional information, see the installation guide for the BAC-5841-16 and BAC-5842-16 (requires a log-in on the [KMC Partner site](#)).

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