

## Relay Module, Proportional Reheat for NC Valves w/ Thermostat Supply

### Description

The KMC REE-4106 relay module is designed primarily for the time-proportional control of Normally Closed electric hot water valves with PTC (Positive Temperature Coefficient) **thermal element actuators** on VAV terminal units in HVAC systems. The **percent on-time** of the electric hot water valve varies in direct proportion to the CTE series room thermostat signal. As the thermostat signal increases, the percent on-time of the electric hot water valve increases.

The REE-4106 is used in conjunction with (discontinued) VEP-12/22/34/37 series 2-way and 3-way hot water valves. Up to three such valves may be powered from an individual REE-4106. (MEP-3001/3006 replacement thermal actuators for existing valves are still available.)

The REE-4106 also has a built-in 9.1 VDC power supply that can be used to power a CTE-1xxx room thermostat when a controller-actuator is not used.

The REE-4106 is intended for use with the following:

#### Associated Controllers/Actuators:

CEE-4000 Series  
 CEP-4000 Series  
 CSE-4000 Series  
 CSP-4000 Series

#### Associated Thermostats:

CEE-1102  
 CTE-1004  
 CTE-1103  
 CTE-5202

NOTE: See the [CEP-4000 Series Applications Guide](#) and the [CTE-5202 Applications Guide](#) for additional information on applications.

NOTE: The REE-4106 replaces the discontinued REE-4006.



### Features

- ◆ Valve percent on-time varies in direct proportion to the thermostat signal.
- ◆ Built-in 9.1 VDC power supply available to power applicable thermostats
- ◆ Simple installation

### Specifications

**Supply Voltage** 24 VAC, +20%/-15% @ 1 VA

**Input Signal** 0 to 6 VDC

**Output Capacity** 10 VA max. @ 24 VAC

**Thermostat Power Supply** 9.1 VDC, ±10%

#### Associated Valves

VEP-12/22 2-way  
 VEP-34/37 3-way

**Connections** Plated screw terminals

**Wire Size** 14 to 22 AWG, stranded

**Material** Beige flame-retardant plastic

**Weight** 2 oz. (57 grams)

**Approvals** SASO PCP Registration KSA R-103263

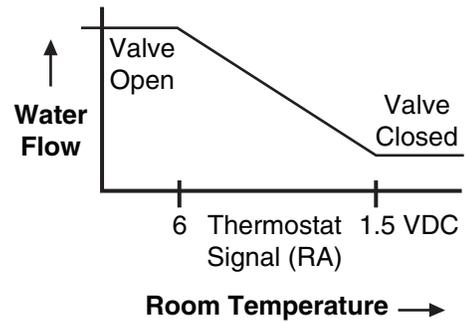
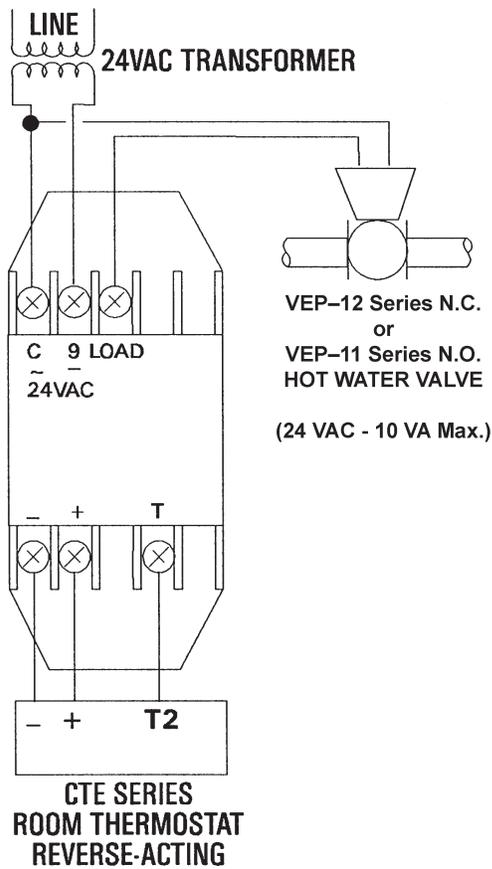
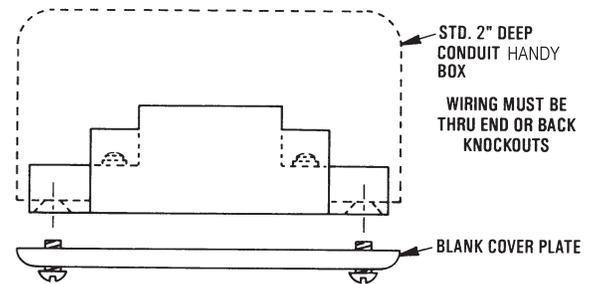
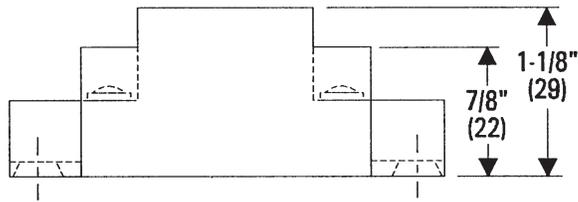
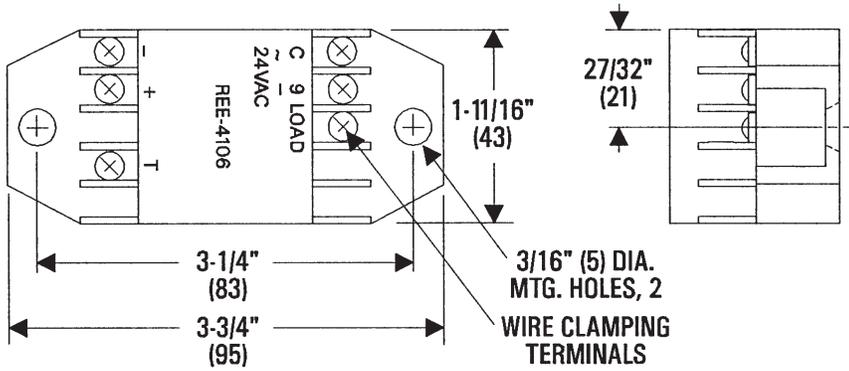
#### Temperature Limits

Operating 40 to 120° F (4 to 49° C)

Shipping -40 to 140° F (-40 to 60° C)

# Details

All dimensions are in inches (mm)



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