REE-1005

Relay Module, Heat/Cool Changeover

Description

The KMC REE-1005 Relay Module is designed primarily for automatic heating/cooling changeover applications on single-duct VAV terminal units in HVAC systems.

Used with SSE-2000 series sensors, the REE-1005 has the ability to change the action of the VAV terminal to either heating or cooling based on the temperature of the supply air to the VAV terminal.

REE-1005 Relay Modules are intended for use with the following:

Associated Controllers-Actuators:

CEE-4000 Series
CEP-4000 Series
CSE-4000 Series
CSP-4000 Series
CSP-5001/5002

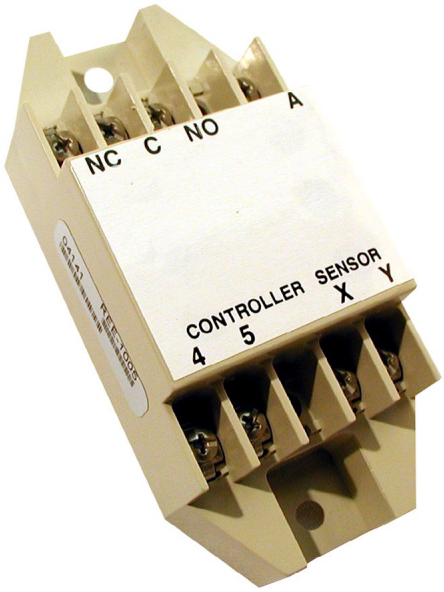
Associated Thermostats:

CEE-1103
CTE-1004
CTE-1103
CTE-5103
CTE-5104

Associated Duct Sensors:

SSE-2000 Series
TTE-2001

NOTE: See the **CEP-4000 Series Applications Guide** and the **CSP-5001/5002 Applications Guide** for additional information on applications.



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Specifications

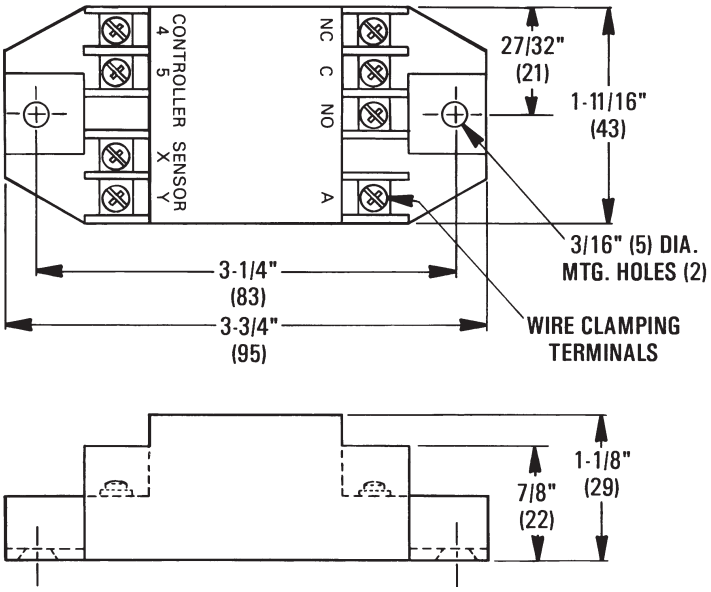
Supply Voltage	9.1 to 18 VDC (2 mA)
Contact Voltage	On Normally Closed (NC), Normally Open (NO), and Common (C), supply voltage minus 1 VDC
Setpoint	77 ±4° F (25 ±2° C)
Connections	Plated screw terminals
Wire Size	14 to 22 AWG, stranded
Material	Flame-retardant plastic
Weight	2 oz. (57 grams)
Approvals	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)

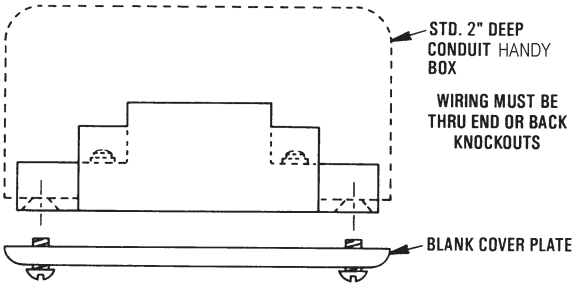
Features

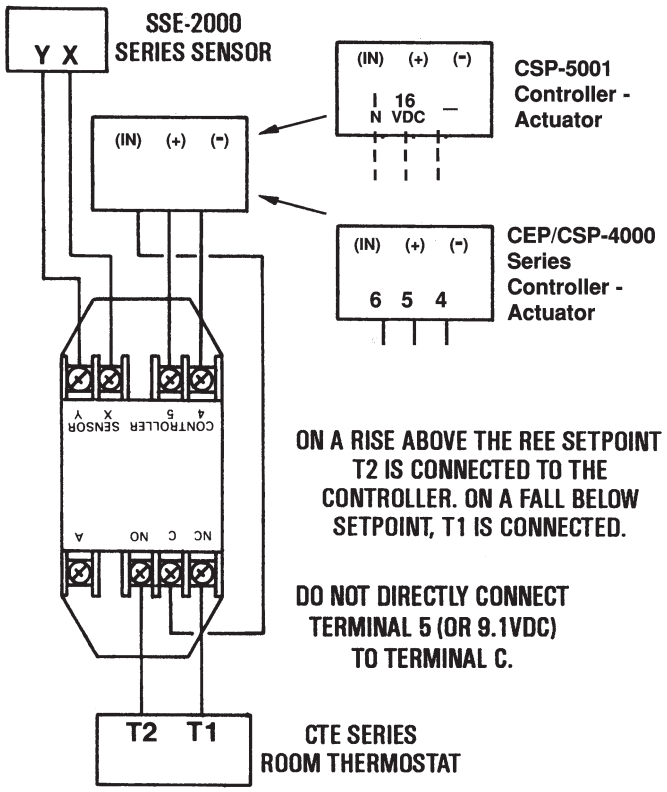
- Automatic Heat/Cool changeover
- Optional auxiliary flow trigger control (from Terminal A)
- Simple installation

Details

All dimensions are in inches (mm)







NOTE: **Terminal A** is an optional **auxiliary flow** limit trigger signal (usually connected to Terminal A on a CTE-1004, CTE-5104, or REE-1012). When the relay module senses heating mode, terminal A goes high (around 6.8 VDC with a 9.1 VDC supply or 13.8 VDC with a 16 VDC supply). This terminal can also be used to daisy chain more than one REE-1005 together by wiring Terminal "A" to Terminal "Y" on the next relay.

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