

Description

The KMC CTE-5100 Electronic Room Thermostat series is designed for use with the CSP-5001/5002 Flow Controller-Actuator and/or the REE-1000/4000 series auxiliary relays. Other high impedance (10K ohms or higher) controls such as MEP-1200/5000 series actuators, and VEP series valves requiring a 0 to 10 VDC control circuit, may be controlled via any of the CTE-5100 series thermostats. CTE-5100's have both limited and unlimited outputs. The limited output is used to provide minimum and maximum limits to a CSP-5001/5002, or impose electronic limits to an MEP-1200/5000 series actuator or a VEP series valve.

Models are available for cooling, heating, cooling w/ reheat, cooling/heating changeover, day/night or night/day applications. Temperature averaging and/or overrides are also available.

All thermostats require a scale plate assembly and cover which may be ordered separately (See *Accessories*) or as part of a value package containing the most frequently ordered accessories. Thermostat and accessories styling allow the setpoint indicator and/or thermometer to be visible or concealed, setpoint adjustment locked or restricted, vertical or horizontal mounting and attractive color finishes in plastic or metal.

Features

- ◆ Available for cooling, heating, cooling w/reheat, cooling/heating changeover, day/night or night/day applications
- ◆ Single or dual setpoint models
- ◆ Limited and unlimited outputs
- ◆ Visible or hidden setpoint indicator

Models

The following models are available:

CTE-5101	Single setpoint; direct acting
CTE-5102	Single setpoint; reverse acting
CTE-5103	Dual setpoint; direct & reverse acting
CTE-5104	Dual setpoint; direct & reverse acting
CTE-5105	Dual setpoint; both direct acting



Accessories

Value packages which contain a cover, scale plate, and backplate may be ordered by adding the suffix "-10" to your model selection.

The following accessories are available:

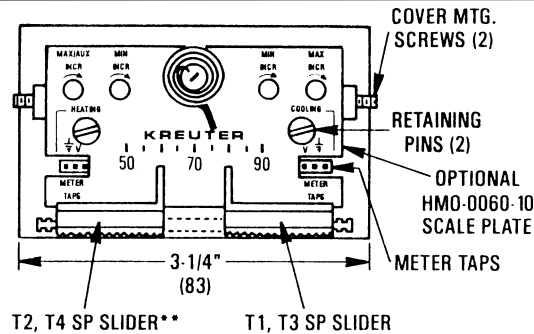
HFO-0027	Setpoint stops
HMO-5023	Drywall mounting kit
HMO-5024	2" x 4" almond backplate w/ alum. trim
HMO-5026	2" x 4" white backplate w/ alum. trim
HMO-5030	2" x 4" almond backplate w/ matching trim
HMO-5031	2" x 4" white backplate w/ matching trim
HPO-0060-10	Horizontal scale plate °F
HPO-0060-11	Horizontal scale plate °C
HPO-0061-10	Vertical scale plate °F
HPO-0061-11	Vertical scale plate °C
XEE-5002	16 VDC (14-20 VAC) Power supply

ABS COVERS

HPO-1501	Blank; almond color
HPO-1502	Blank; white color
HPO-1511	Window; almond color
HPO-1512	Window; white color

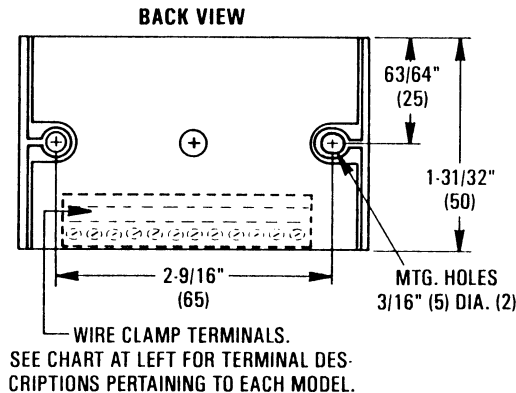
Details

All dimension are in inches (mm)



* PHOTOGRAPH ON FRONT PAGE SHOWS ITEM WITH AN OPTIONAL COVER

** MODEL CTE-5104 DOES NOT INCLUDE T4 OUTPUT



SEE CHART AT LEFT FOR TERMINAL DESCRIPTIONS PERTAINING TO EACH MODEL.

METAL COVERS

HPO-1503	Blank; brushed aluminum finish
HPO-1504	Blank; painted white
HPO-1505	Blank; brushed brass finish
HPO-1506	Blank; painted almond
HPO-1513	Window; brushed aluminum finish
HPO-1514	Window; painted white
HPO-1515	Window; brushed brass finish
HPO-1516	Window; painted almond

Thermostat Action

CTE-5101	Direct Acting (DA) T1/T3
CTE-5102	Reverse Acting (RA) T2/T4
CTE-5103	Direct Acting (DA) T1/T3 Reverse Acting (RA) T2/T4
CTE-5104	Direct Acting (DA) T1/T3 Reverse Acting (RA) T2/T4
CTE-5105	Direct Acting (DA) T1/T2/T3/ T4

Connections

Wire clamp type, 14-22 AWG

Base Material

Black ABS
UL Flame Class 94 HB

Size

2-9/16" x 3-7/16"
(65 mm x 87 mm)

Weight

3.0 oz. (85 grams)

Temperature Limits

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

Specifications

Supply Voltage	16 VDC (14 to 20 VDC)
Output Range	0 to 10 VDC
Temperature Range	55 to 85° F (13° to 29° C)
Proportional Band	
CTE-5101/2/3/5	2° F (1.1° C) w/limits output (T1/T2) 4° F (2.2° C) w/o limits output (T3/T4)
CTE-5104	2° F (1.1° C) w/ & w/o limits output (T1/T2/T3)

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