

Description and Application

These thermostats are designed to be used with CEE/CEP/CSE/CSP-4000 series controller-actuators for controlling dampers or valves in HVAC systems.

The CTE-5001/5011 single setpoint thermostats provide DA cooling or RA heating selectable by jumper placement and wiring terminations or automatically by an REE-1014 relay module. Several mounting methods are available, including direct mounting to a hollow wall or to an electrical box using an adapter backplate.

These economical thermostats provide precise control, while offering a unique ability to adjust the minimum and maximum control points at the thermostat rather than at the controller-actuator.

The minimum and maximum flow limits can be adjusted from the thermostat (via potentiometers behind the cover). The setpoint adjustment and indication are on the top of the cover and can be hidden by installing the optional setpoint cover.

These thermostats are intended for use with the following controller/electric actuators:

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

Features

- ◆ Single setpoint
- ◆ Selectable as DA Cooling or RA Heating (with changeover using an REE-1014 relay module)
- ◆ Operates from 9.1 VDC supplied voltage
- ◆ 0 to 6.5 VDC output
- ◆ Precise control from the thermostat via the setpoint dial as well as minimum and maximum pots on the circuit board (accessed by removing the front cover)
- ◆ Option to override to full open or full close
- ◆ CFM and Heating/Cooling Output voltage test points accessed by removing the front cover



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Models

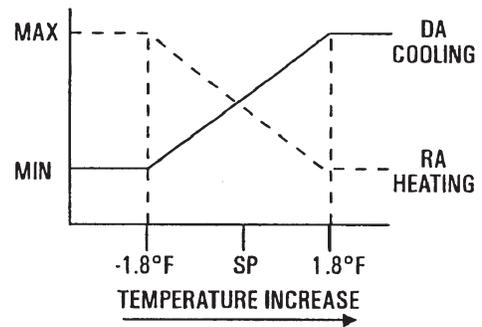
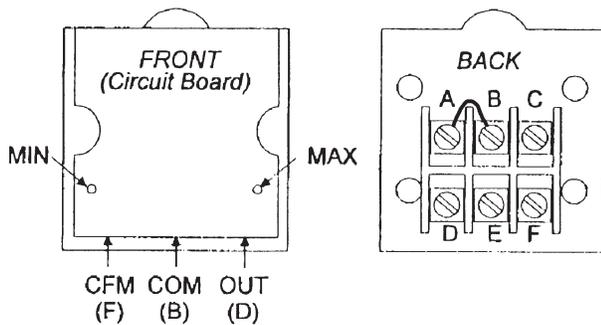
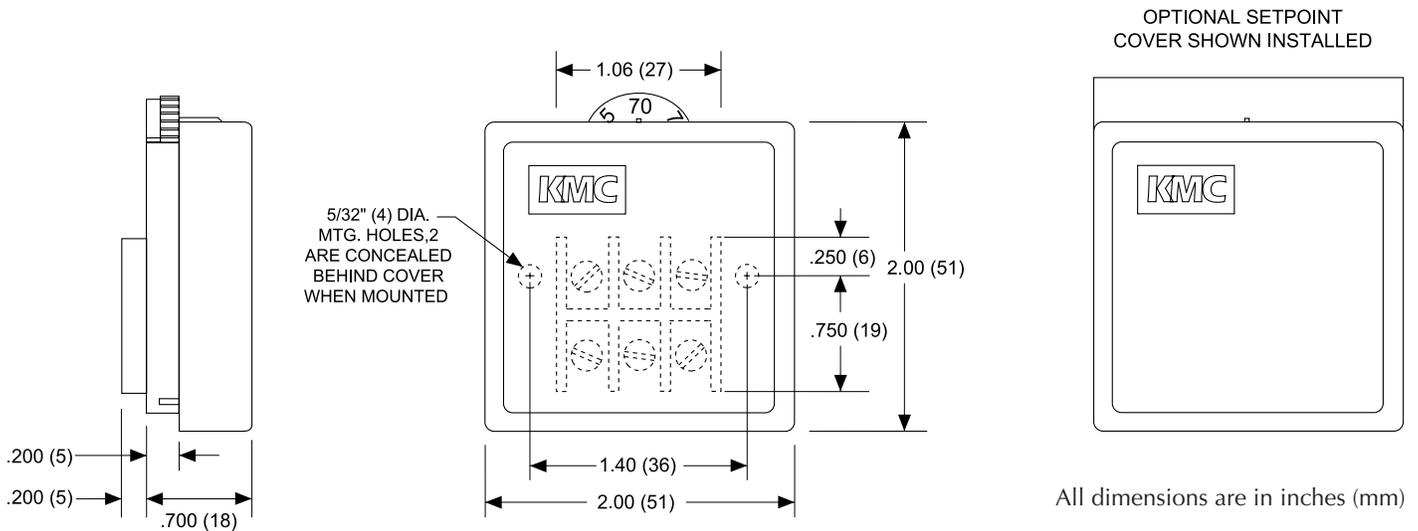
CTE-5001-10	Ash white, °F
CTE-5001-11	Ash white, °C
CTE-5011-10	Light almond, °F
CTE-5011-11	Light almond, °C

Accessories

HMO-5001	Dual toggle bolt for backplate mounting to drywall
HMO-5014	Insulating stand-off, light almond
HMO-5016	Insulating stand-off, white
HMO-5036	Adapter backplate to vertical handy box, light almond
HMO-5037	Adapter, vertical, white
HMO-5038	Adapter backplate to horizontal handy box, white
HMO-5039	Adapter, horizontal, light almond
HPO-0031	Setpoint cover, white
HPO-0032	Setpoint cover, light almond
REE-1014	Relay module, heat/cool changeover for CTE-5000 series
XEE-4002	Power supply, 24 VAC to 9.1 VDC

For more accessories, see the Thermostats section of the Electronic and Pneumatic Condensed Catalog.

Dimensions and Connectors



Specifications

Supply Voltage	9.1 VDC \pm 5%
Output Range	0 to 6.5 VDC
Temperature Range	54 to 90° F (12 to 32° C)
Proportional Band	3.6° F (2° C)
Thermostat Action	Direct (DA) or Reverse (RA) Acting
Cover Type	Blank with setpoint indicator

Material	Ash white or light almond flame-retardant plastic
Size	2" (51 mm) square
Weight	1.25 oz. (35 grams)
Temperature Limits	
Operating	40 to 120° F (4 to 49° C)
Shipping	-40 to 140° F (-40 to 60° C)

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