



CTE-5002/5012 Series

Room Thermostat, Single Setpoint, DA Cooling w/ Reheat, Auxiliary, and Adjustable Deadband

Description and Application

These thermostats are designed to be used with CEE/CEP/CSE/CSP-4000 series VAV controller-actuators for controlling dampers and/or valves in HVAC systems. The single setpoint thermostats provide dual 0–6.5 VDC outputs for Direct Acting (DA) cooling with adjustable min./max. limits, auxiliary control point, and Reverse Acting (RA) heating with adjustable deadband. 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 the opportunity to adjust control points at the thermostat rather than at the controller-actuator. The deadband, min., max., and auxiliary flow limits can be adjusted from the thermostat (via pots 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.

Models

CTE-5002-10	White, °F
CTE-5002-11	White, °C
CTE-5012-10	Light almond, °F
CTE-5012-11	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
XEE-4002	Power supply, 24 VAC to 9.1 VDC

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



Features

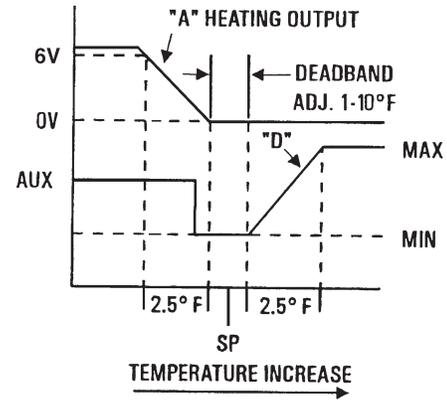
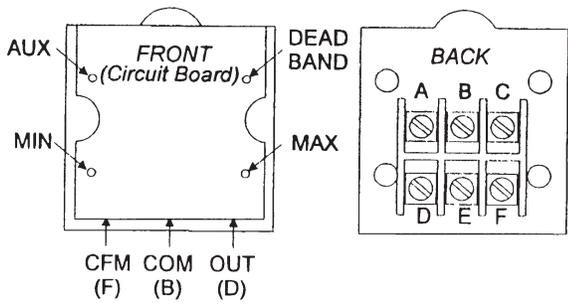
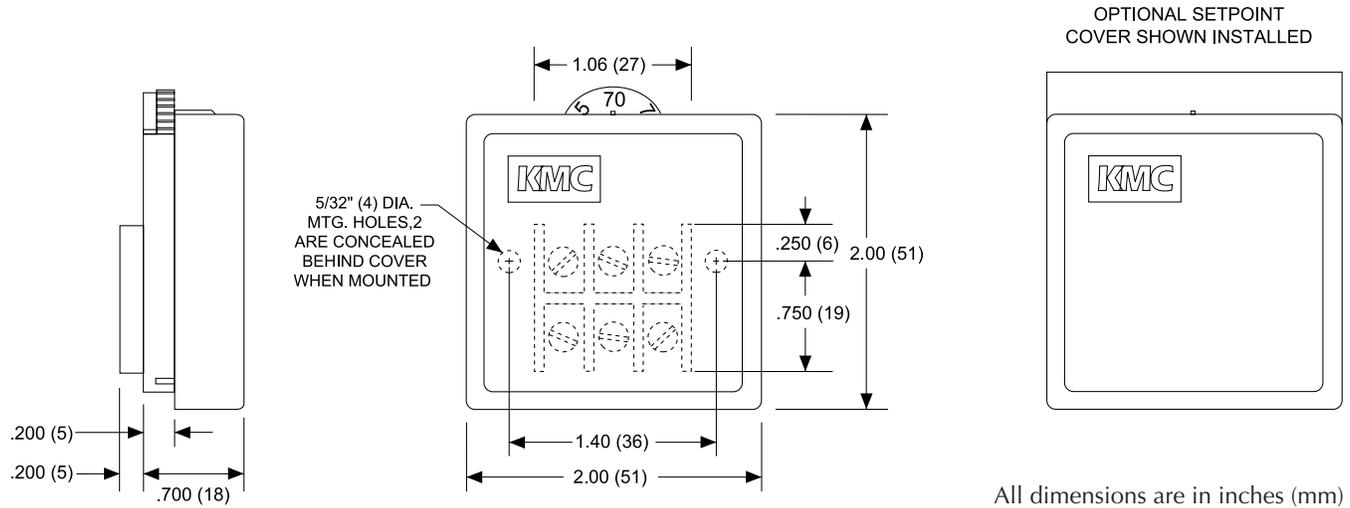
- ◆ Operates from 9.1 VDC supplied voltage (for thermostats with similar features but using 16 VDC, see the CTE-5006/5016)
- ◆ Dual 0–6.5 VDC outputs for DA cooling and RA heating (for dual 0–10 VDC outputs, see the CTE-5006/5016)
- ◆ Precise control from the thermostat via the setpoint dial as well as deadband, auxiliary, minimum, and maximum pots on the circuit board (accessed by removing the front cover)
- ◆ CFM and Cooling Output voltage test points accessed by removing the front cover

Specifications

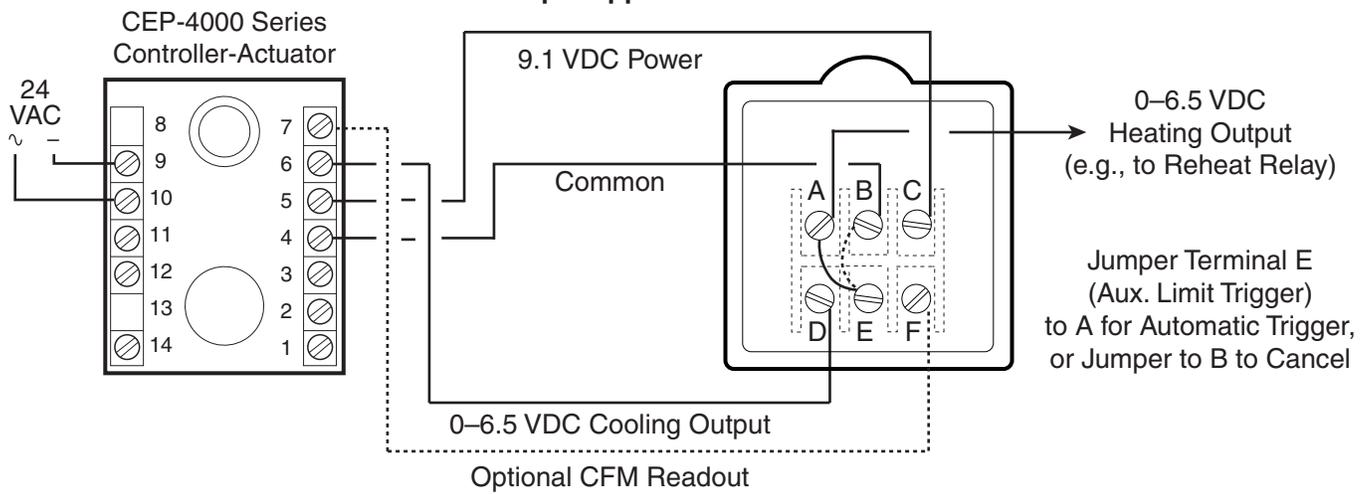
Supply Voltage	9.1 VDC, ±5%
Output Range	0 to 6.5 VDC (both outputs)
Temperature Range	54 to 90° F (12 to 32° C)
Deadband Adjust.	1 to 10° F (0.56 to 5.6° C)
Proportional Band	2.5° F (1.4° C)
Thermostat Action	
Cooling	Direct Acting (DA)
Heating	Reverse Acting (RA)
Material	White or light almond flame-retardant 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)

Specifications and design subject to change without notice.

Dimensions and Connectors



Sample Application



NOTE: For similar thermostats with an additional output to control refrigeration, see the CTE-5003/5013 series.

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