

Description and Application

The KMC CTE-1101 direct-acting electronic thermostats are designed for use with CEE/CEP/CSE/CSP-4000 series controller-actuators to control damper actuators and/or valves in HVAC systems. The capability to adjust minimum and maximum limits is at the thermostat rather than at the controller. These single setpoint DA thermostats are for cooling applications.

An additional output is provided for control of optional KMC REE-4000 series relay modules. This 0–6 VDC output (T3) is not restricted by the minimum and maximum control points. **Compared to the CTE-1001s, CTE-1101s have a different relationship between T1 and T3 that allows them to operate a REE-4002 fan box relay from T3 below setpoint while T1 operates the VAV box above setpoint. The CTE-1101 also has (not found on CTE-1001/1002s) a temperature output (A) that allows temperature averaging with remote temperature transmitters, such as the TTE-1001.**

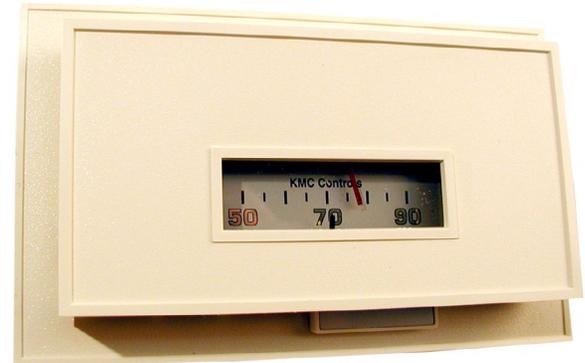
Cover construction allows the setpoint indicator and thermometer to be either visible or concealed. Optional accessories include an insert for concealing the window, and stops to lock/restrict the setpoint adjustment. Vertical and horizontal mounting methods are available.

KMC CTE-1101 Room Thermostats are intended for use with the following KMC controller/actuators:

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

An optional XEE-4002 9.1 VDC power supply module can power the CTE-1101 thermostat. Then the CTE-1101 can be used (without the controller-actuator) to control a damper or valve operated by an MEP series actuator or to control other devices via optional REE-4000 series relays.

NOTE: For many applications, the CTE-1101 can be replaced by a CTE-5202 electronic thermostat with an LCD display. For details, see the [CTE-5202 Data Sheet](#) and the [CTE-5202 Applications Guide](#).



Features

- ◆ Adjustable min/max temperature limits
- ◆ Additional 0–6 VDC output (T3) available for control of KMC REE-4000 series relay modules
- ◆ Visible or hidden setpoint indicator

Models

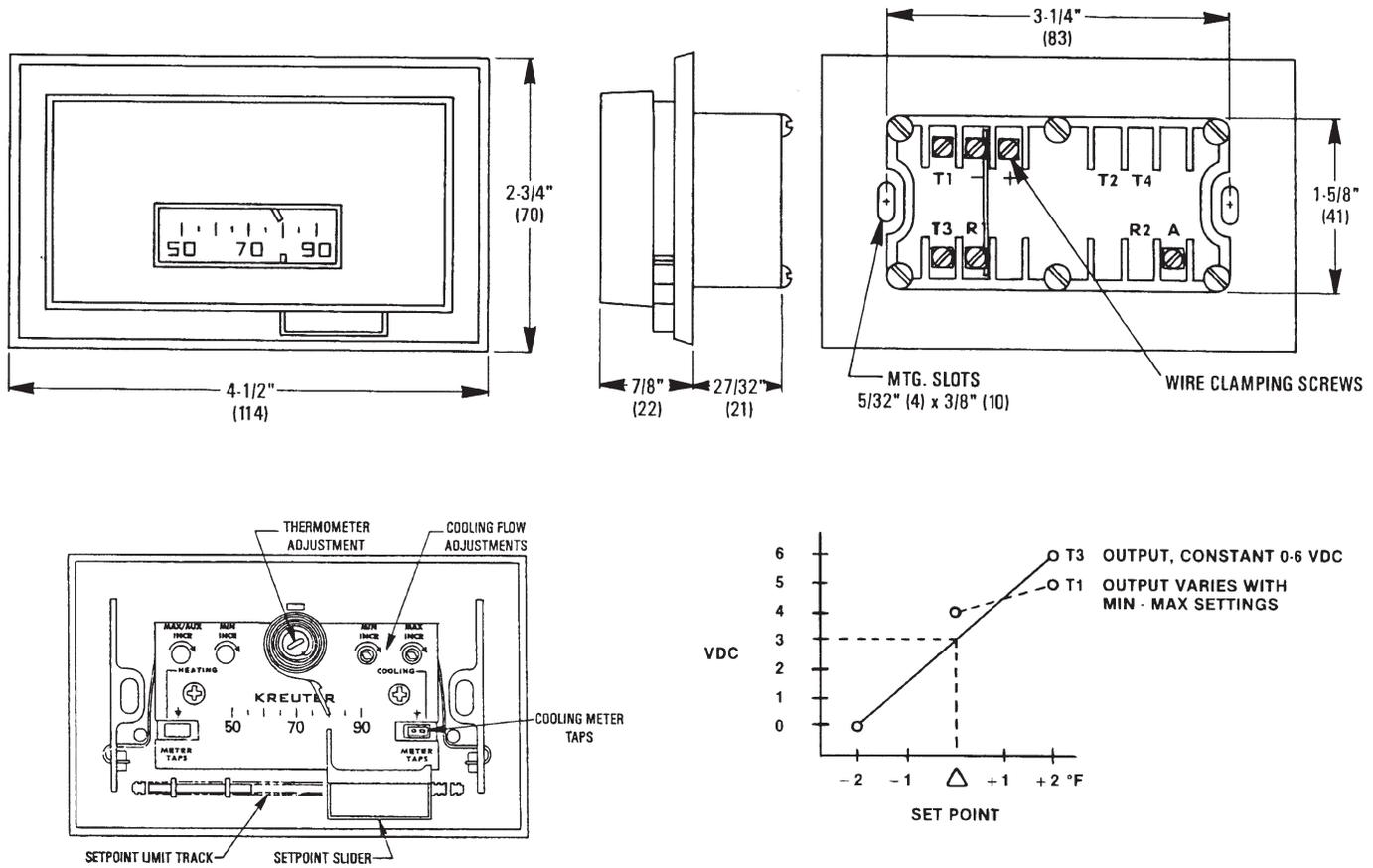
CTE-1101-10	° F, horizontal
CTE-1101-11	° C, horizontal

Accessories

HFO-0026	Blanking insert
HFO-0027	Setpoint stops
HMO-5001	Toggle bolt assembly
HMO-5002	Insulating backplate, 1-1/8" deep
HMO-5007	Insulating backplate, 1-11/16" deep
HSO-5001	Calibration test leads
REE-4000 series	Relay modules
TTE-1001	Remote room temperature transmitter
XEE-4002	9.1 VDC power supply module

Details

All dimensions are in inches (mm).



Specifications

Supply Voltage	9.1 VDC (5 mA) \pm 5%
Output Range	0 to 6 VDC
Range	55° to 85° F (13° to 29° C)
Proportional Band	
T1	2° F (1.1° C)
T3	4° F (2.2° C)
Thermostat Action	Direct Acting
Cover Type	Furnished, with window

Material	Light almond flame-retardant plastic
Weight	3.5 oz. (99 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)

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