

### Description and Application

These low limit controllers are SPDT devices designed for use on HVAC equipment requiring low-temperature control and/or indication in duct work or on heating/cooling coils.

On a decrease in sensed temperature, the unit will actuate at its setpoint. The CTE-3007 (manual-reset model) will reset when the reset button is pushed **and** the sensed temperature is at least 5° F (2.8° C) above the setpoint. The CTE-3006 (automatic-reset model) will automatically reset when sensed temperature rises 5° F above the setpoint. A test lever, located under the cover, allows the unit to be manually actuated to facilitate system checkout.

For use in stratified airstreams, the unit will respond to the lowest temperature sensed along any one foot section of the sensing element.

To aid installation of capillaries, HMO-4523 capillary-mounting clips (ordered separately) are recommended.

### Features

- ◆ SPDT switching action
- ◆ 20-foot capillary
- ◆ Responsive to lowest temperature sensed along any one foot section of capillary element
- ◆ Setpoint visible through front cover and adjustable from top of case
- ◆ Manual and automatic reset models available
- ◆ Reset disabled until temperature rises at least 5° F (2.8° C) above the setpoint
- ◆ Manual testing lever inside the cover

### Models

CTE-3006	Automatic reset
CTE-3007	Manual reset

### Accessories

HMO-4523	Capillary Clip (ordering about 5 clips per unit is recommended)
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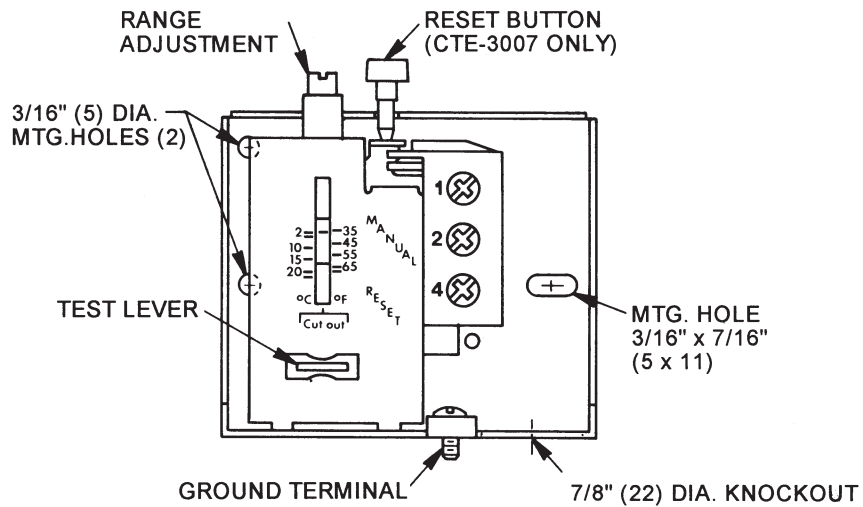
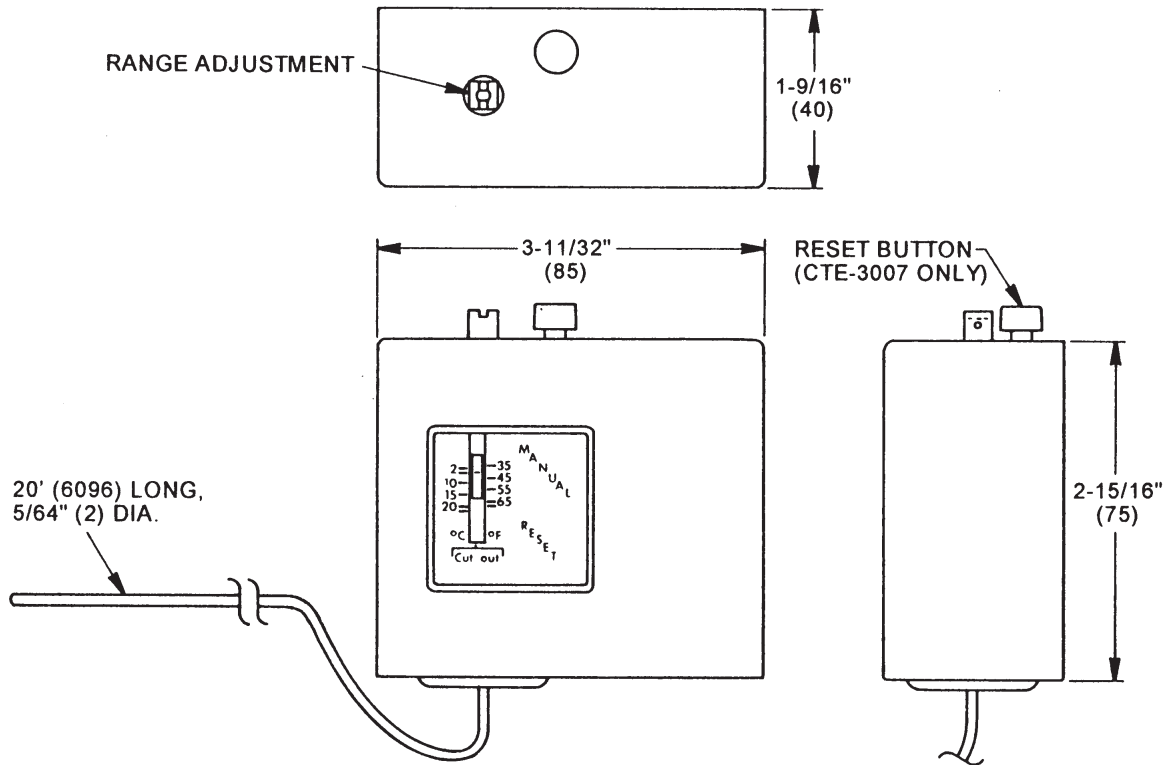


### Specifications

<b>Range</b>	35 to 68° F (1.7 to 20° C)
<b>Differential</b>	4.5° F fixed (2.5° C)
<b>Switch Action</b>	SPDT, snap-acting
<b>Element</b>	3/32" (2.4 mm) diameter, 20-foot (607 cm) length, vapor-filled, tin-plated copper capillary, max. temperature 300° F (149° C)
<b>Electrical Ratings</b>	
Inductive	24 FLA (Full Load Amperes) @ 120/240 VAC 144 LRA (Locked Rotor Amperes) @ 120/240 VAC 2 HP @ 120 VAC, 3 HP @ 240 VAC
Pilot Duty	720 VA max. @ 120 to 600 VAC, 144 VA max. @ 24 VAC
<b>Approvals</b>	CUL US Listed, CE Compliant, RoHs compliant
<b>Weight</b>	1.0 lbs. (0.45 kg)
<b>Materials</b>	Plated steel case, plastic cover
<b>Mounting</b>	Surface mount with capillary installed in horizontal serpentine pattern
<b>Temperature Limits</b>	
Operating	-60 to 160° F (-51 to 71° C)
Shipping	-60 to 160° F (-51 to 71° C)

## Dimensions and Details

All dimension are in inches (mm)



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