KMC CONTROLS

CTE-3017
Low Limit Controller DPDT

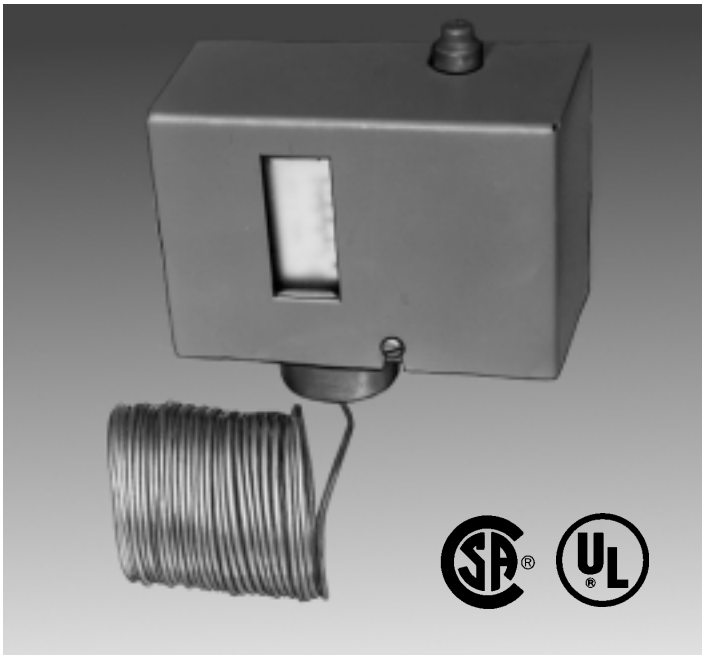
DESCRIPTION

The CTE-3017 is a DPDT device 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 and will not reset until the reset button is pushed. This cannot be accomplished until sensed temperature is at least 5° above setpoint. A test lever located under the cover allows the unit to be manually actuated to facilitate system checkout.

In order to be utilized in stratified airstreams, the unit will respond to the lowest temperature sensed by any one foot section of its element.

To facilitate installation of the 20 foot capillary, five HMO-4523 capillary mounting clips are shipped with each model.



SPECIFICATIONS

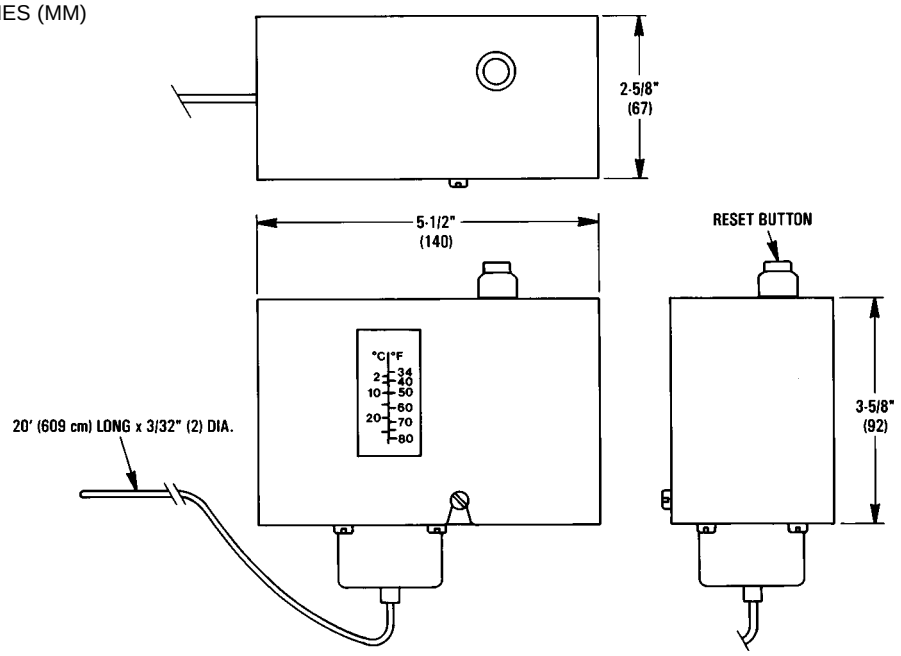
Range	34°F to 70°F (1.1°C to 21°C)
Differential	4.5°F fixed (2.5°C)
Switch Action	DPDT
Element	20' (610 cm) tin plated copper capillary; maximum temperature 300°F (149°C)
Ambient Limits	
Operating	-60°F to 160°F (-51°C to 71°C)
Shipping	-60°F to 160°F (-51°C to 71°C)
Electrical Ratings	
Inductive	14 F.L.A. @ 120 VAC, 12 @ 240 VAC; 84 L.R.A. @ 120 VAC, 72 @ 240 VAC; 3/4 HP @ 120 VAC, 2 HP @ 240 VAC
Pilot Duty	720VA Max @ 120-600VAC 144VA Max @ 24VAC
Accessories	HMO-4523: Capillary clip
Approval Listings	U.L., C.S.A.
Weight	1.2 lbs. (.54 kg)

ORDERING

Specify: Model Number, accessory number if required
Order From: Local KMC Controls representative or,
KMC Controls, Kreuter Manufacturing Co., Inc.

DIMENSIONS

DIMENSIONS IN INCHES (MM)

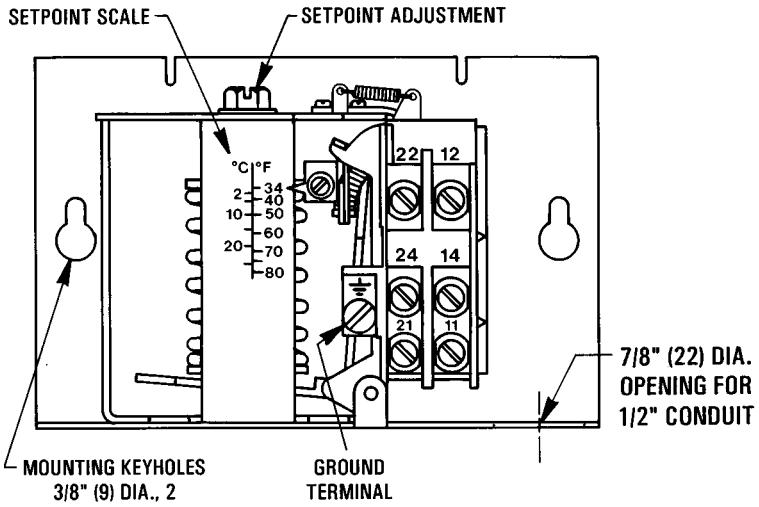


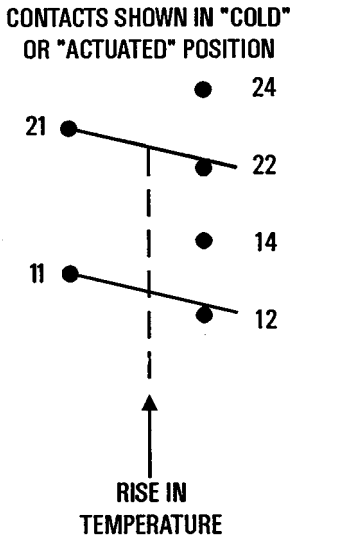
INSTALLATION-CALIBRATION

In the drawing below, the cover is removed to show two mounting keyholes allowing the case to be mounted flush against ductwork or any flat surface. The capillary clip HMO-4523 is also shown.

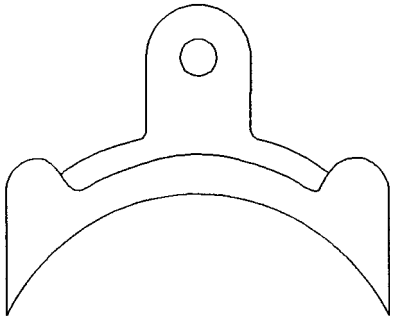
The sensing capillary should be installed in a horizontal serpentine fashion across the leaving side of a water coil and supported at enough points to prevent damage from vibration and/or air movement.

Adjust the thermal setpoint by turning the setpoint knob located on top of the device. The indicated setpoint is the temperature at which contacts “11” and “14”, and “21” and “24” open.





HMO-4523
CAPILLARY CLIP



MAINTENANCE

No routine maintenance is required. Each component’s design and material selection assures dependable long-term reliability and performance. Careful installation will also enhance long-term reliability and performance.