

Description and Application

This low limit controller 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. It will reset when the reset button is pushed **and** the sensed temperature is at least 5° F (2.8° C) 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 capillary, five HMO-4523 capillary-mounting clips are shipped.

Features

- ◆ DPDT (dual 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 reset
- ◆ Reset disabled until temperature rises at least 5° F (2.8° C) above the setpoint
- ◆ Manual testing lever inside the cover

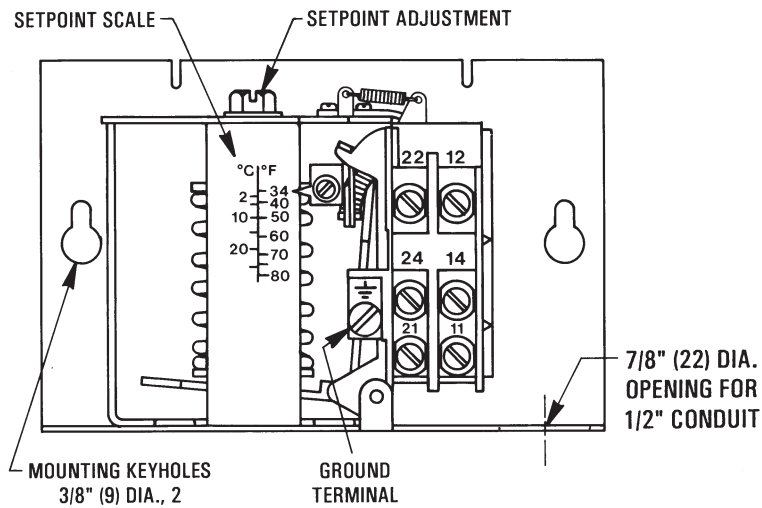
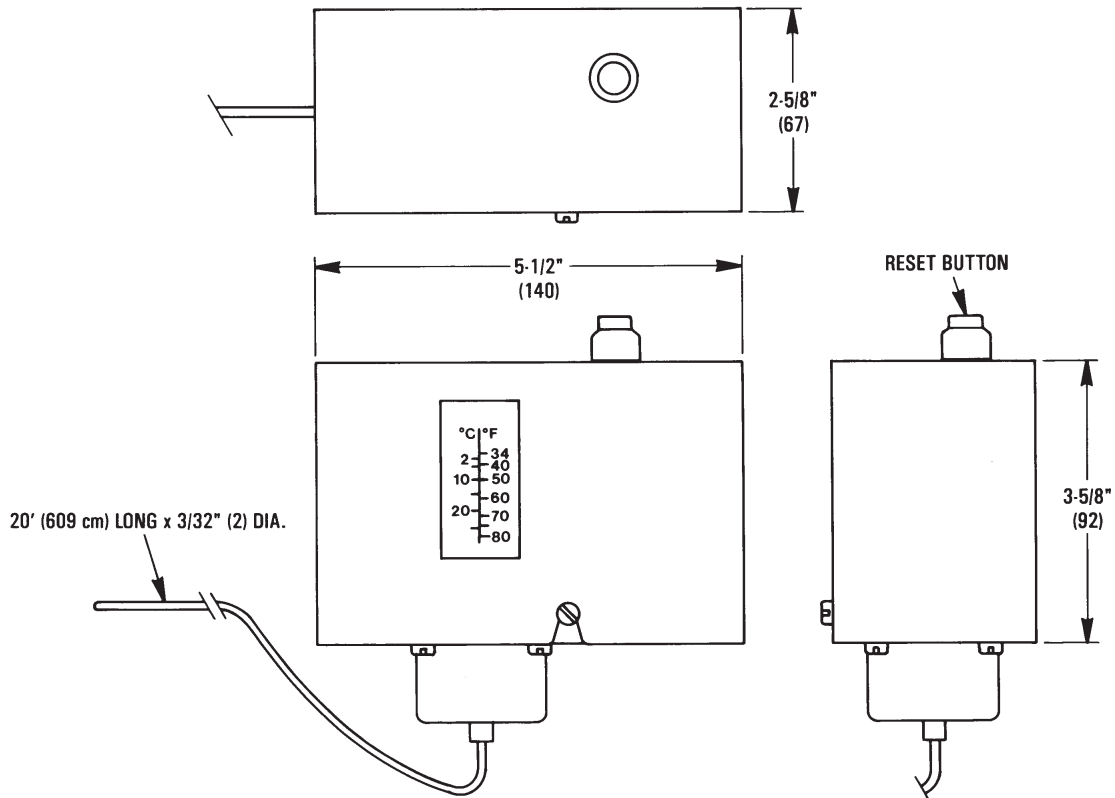


Specifications

Range	34° to 70° F (1.1° to 21° C)
Differential	4.5° F fixed (2.5° C)
Switch Action	DPDT
Element	3/32" (2.4 mm) diameter, 20-foot (607 cm) length, vapor-filled, tin-plated copper capillary, max. temperature 300° F (149° C)
Electrical Ratings	
Inductive	14 FLA (Full Load Amperes) @ 120 VAC, 12 FLA @ 240 VAC 84 LRA (Locked Rotor Amperes) @ 120 VAC, 72 LRA @ 240 VAC 3/4 HP @ 120 VAC, 2 HP @ 240 VAC
Pilot Duty	720 VA max. @ 120 to 600 VAC, 144 VA max. @ 24 VAC
Approvals	CUL US Listed, CE Compliant, RoHS compliant
Weight	1.2 lbs. (0.54 kg)
Materials	Plated steel case, plastic cover
Mounting	Surface mount with capillary installed in horizontal serpentine pattern
Temperature Limits	
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)



Accessories

HMO-4523

Capillary Clip (5 provided)

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