

L482A Low Limit Controller

SPECIFICATION DATA



FEATURES

- Mounts horizontally or vertically on a wall or panel, or directly on sheet metal duct
- Manual reset
- Two spst switches

GENERAL

The L482A Low Limit Controller provides temperature or limit control of air conditioning systems by operating electric motors for dampers, valves, compressors, or fans. It responds to the lowest temperature to which any one-foot portion of the 20-foot, temperature-sensitive element is exposed. It can be used to close electrically operated dampers, open electrically operated valves or to shut off compressor or fan motors when the element senses temperatures below a critical point. The L482A can also act as a frost alarm sensor in storehouses or other locations where low temperatures would damage building contents.

DESCRIPTION

The L482A Low Limit Controller provides temperature or limit control of air conditioning systems by operating electric motors for dampers, valves, compressors, or fans.



SPECIFICATIONS

Model:

□ L482A Low Limit Controller with two spst snap switches

Switching Action:

Main switch (M2) opens on a drop to setpoint; auxiliary switch (M1) closes. Manually reset.

Temperature Setpoint Range:

15 to 55F (-9 to 13C), stop limits minimum to 34F (2C)

Sensing Means:

20 ft (6.1m) sensing element. Controller operates at coldest one-foot portion of element.

Temperature Setting Means:

Slotted screw at top of device. Setpoint is indicated through scale opening in cover.

Differential:

Nonadjustable and additive; 5F (3K)

Listing:

UL Listed
CSA Listed

Electrical Ratings (Amperes):

Pilot Duty Rating (Both Poles):
125 VA, 24 to 600V ac; 57.5 VA, 120 to 300V dc

Switch Number M2 (Main)				
Voltage	120V ac	208V ac	240V ac	277V ac
Full Load	16.0	9.2	8.0	—
Locked Rotor	96.0	55.2	48.0	—
Non-inductive	16.0	9.2	8.0	7.2
Switch Number M1 (Auxiliary)				
Full Load	6.0	3.3	3.0	—
Locked Rotor	36.0	19.8	18.0	—
Non-inductive	6.0	6.0	6.0	6.0

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Accessories:

Bag assemblies for immersing sensing element in water coil (includes 1/2-14 NPT plug):

7617M 3/4 in. (19 mm) long opening for sensing element
7617ABY 1-3/8 in. (35 mm) long opening for sensing element

CCT1802 Grommet for mounting element in hole in duct wall

CCT2600 Clips for mounting element inside duct

7640HX Kit for installing sensing element when access into duct is not possible

Ambient Temperatures:

Case:

Maximum: 140F (60C)

Minimum: 20F (-7C) or more above setpoint

Element:

Maximum: 250F (121C)

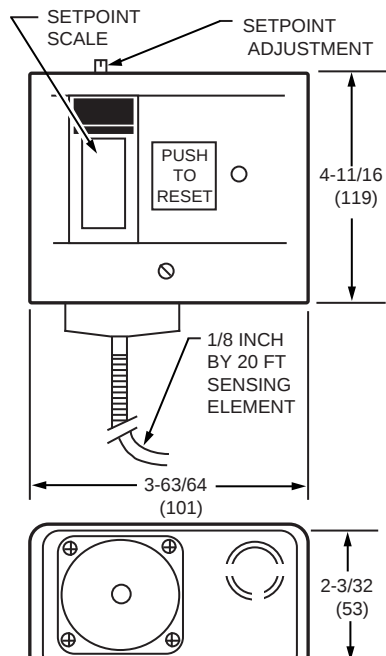
Finish:

Gray enamel

Mounting Means:

Mounting holes under cover

Dimensions In Inches (Millimeters):



C277

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