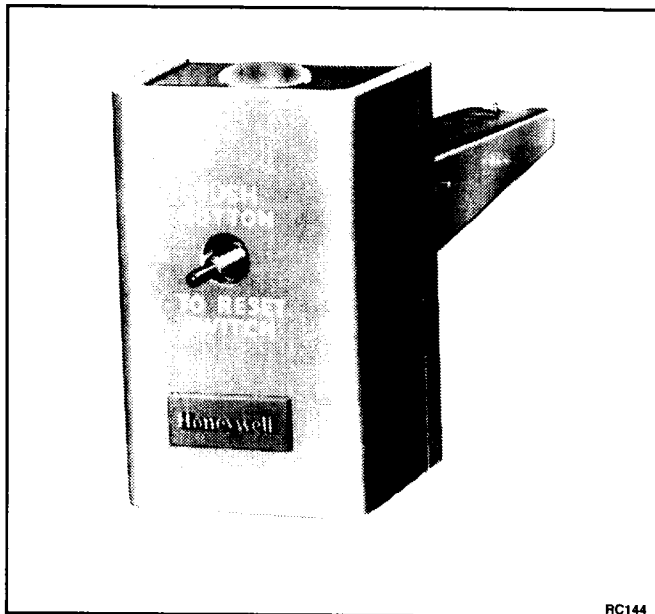


L4029E Reset Limit Control

SPECIFICATION DATA



FEATURES

- Shuts off the fan when air temperature is indicative of fire
- Internal snap-acting switch actuated by a bimetal strip inserted directly into the air stream responds rapidly to temperature changes
- Requires manual reset

GENERAL

L4029E Reset Limit Control opens a line or low voltage circuit if the air temperature reaches a critical level at controller location. The primary usage of the L4029E is as a fire thermostat in the ductwork of air conditioning and ventilating systems. If the circulated air reaches a temperature indicative of fire, the limit control shuts off the fan, preventing the fan from contributing to the spread of fire. It is also suitable for use with any warm air furnace to provide positive lockout of the burner in the event of fan failure.



DESCRIPTION

L4029E Reset Limit Control opens a line or low voltage circuit if the air temperature reaches a critical level at controller location. The primary usage of the L4029E is as a fire thermostat in the ductwork of air conditioning and ventilating systems. If the circulated air reaches a temperature indicative of fire, the limit control shuts off the fan, preventing the fan from contributing to the spread of fire. It is also suitable for use with any warm air furnace to provide positive lockout of the burner in the event of fan failure.

SPECIFICATIONS

Model:

L4029E Reset Limit Control with case and cover

Cutout Setting (Fixed):

To break the circuit at 125, 135, 145, 165, 200, 225, or 240F (52, 57, 63, 73, 93, 107, or 115C)

Electrical Ratings in Amperes:

	30 Vac	120 Vac	240 Vac
Full Load	2	10	5
Locked Rotor	—	60	30

0.25A full load at 0.25 to 12 Vdc

Switch Action:

Normally closed spst, opens on temperature rise to setpoint. Switch must be manually reset to resume operation

Maximum Ambient Temperature:

At switch: 190F (88C)
At bimetal: 350F (176C)

Manual Reset:

Button through front cover. Must be pressed and released to remake switch after temperature falls approximately 25 degrees below the cutout point.

Differential:

Manual reset only, after approximately 25F (14K) drop in temperature

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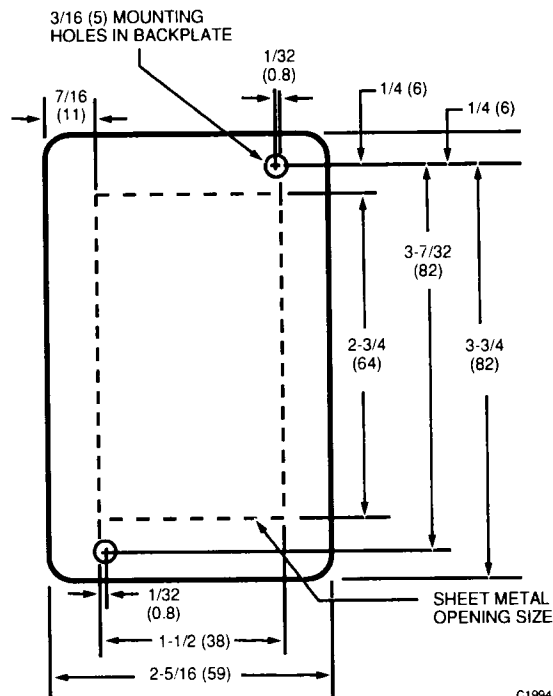
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B-1140 Brussels Belgium

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No. 30 Harbour Road
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Dimensions in Inches (Millimeters):



Element Insertion Length:

3 in. (76 mm)

Mounting Means:

Two screw holes are provided through back of case. May be mounted on a suitable bracket so the air entering the fan is drawn across the element.

Wiring Knockouts:

Bottom: for 1/2 in. conduit

Finish:

Smooth gray

Approvals:

UL File No. MP465, Guide No. MBPR

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