LF 31 Pressure Switch

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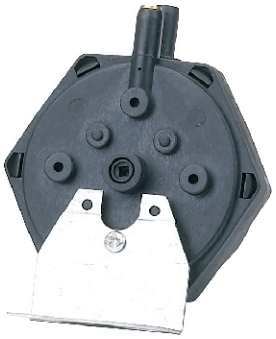
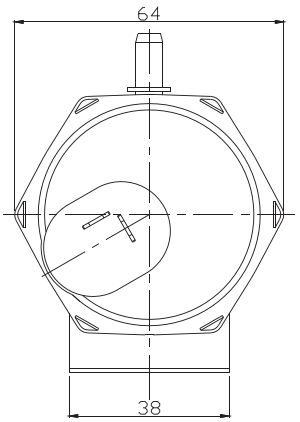
LF31 series switch was designed for use in the HVAC industry where safety and reliability ar essential. Despite the design intent this series has proven to be a viable solution for many pneumatic applications as well. Available in vacuum, differential and pressure models with fine silver or gold cross bar contacts, the LF31 is capable of detecting pressures as low as .05 inches of water. Factory calibrated units maintain set point tolerances of +/- 10% over a temperature range of -40° F to 185° F due to its molded silicone diaphragm and the stability of its glass filled polyester body. LEFOO offers multiple electrical terminations and mounting options as well as bleed holes and 3 different size orifices. This switch series is not only the leading product in the market offering the highest quality and reliability but is also the most economical.

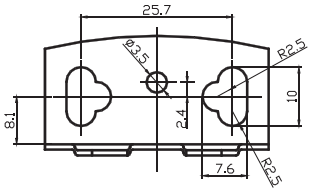
Specification

Model	LF31
Media	Air,products of combustion or natural gas
Operating Pressure Range	0.15in/H_2O to 34in/H_2O
Mounting position	Diaphragm in any vertical Plane
Proof Pressure	100in/H_2O(3.6psi)
Burst Pressure	5psi minimum
Operating Temperature	-40℃ to+85℃
Contact Arrangement	SPST or SPDT
Electrical Rating	Resistance:initaial:＜50milliohms Current:100mA mimimum,5A(resistive)maximum(fine siver alloy contacts) 15mA minimum,0.5A maximum(gold-platinum-silver alloy contacts)
Termimnals	6.3 mm or 4.8mm copper alloy
Connection	Φ6.4mm for tube connection

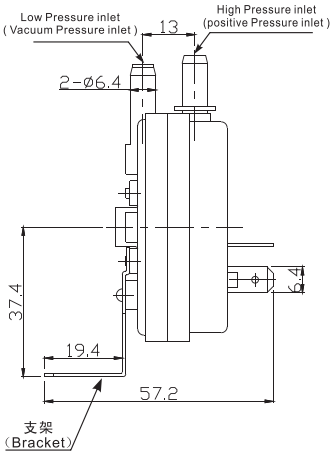
Conversion：1inch/H_2O=249Pa 1mbar=100Pa

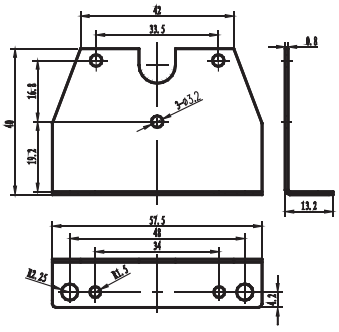






安装支架（Bracket）A





安装支架（Bracket）B

LF31 Order Ref No:

i.e.：LF31-SPD0.05I/125Pa

- Unit actuation pressure abbreviated：in/H_2O，psi，Pa，mbar，etc
- Set point :125,norminal set from 0-3000Pa
- Direction of actuation pressure:I=Increasing D=decreasing
- Orifice diameter in thing of an inch
- Contact Arrangement：S=SPST，D=SPDT
- Actuation mean：V=Vacuum;P=Positive pressure;
- Contact Material：G=Gold;S=Silver

尺寸单位：mm
(Dimension in mm)