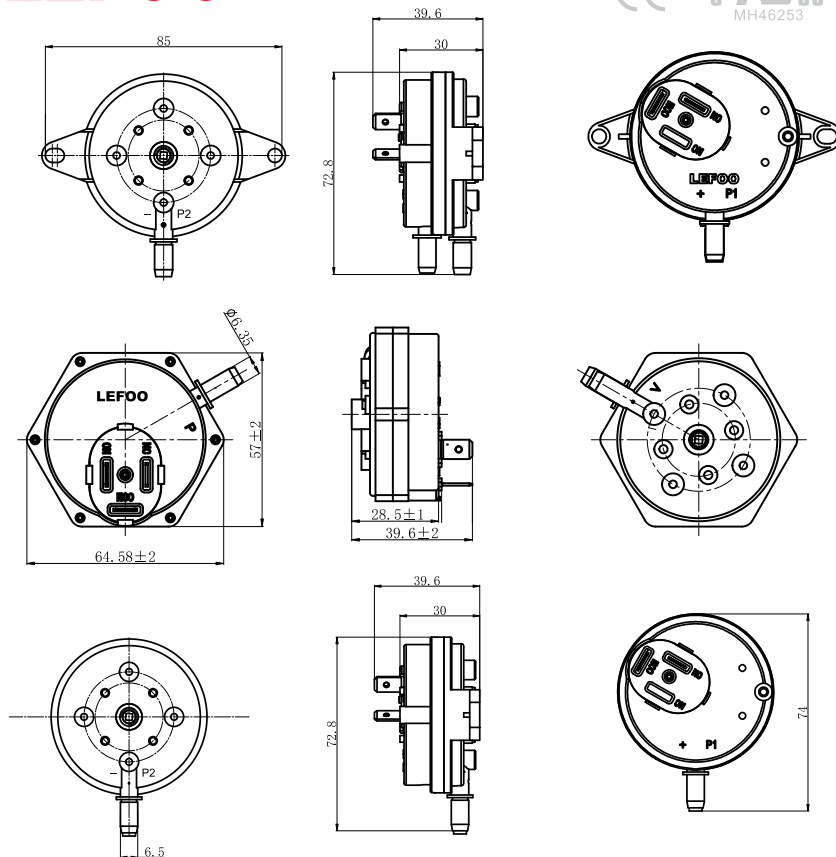


LEFOO



LF31A

Air differential Pressure switch



Dimension in : mm

LF31A Order Ref NO

LF31A-SVD 2 | 50 Pa

A B C D E F G

A Contact Material	B Actuation Mean	C Contact	E Direction of Actuation Pressure	F Set Point	G Unit Actuation Pressure Abbreviated
S=Silver	V=Vacuum	S=SPST-NO	I=Increasing	20-10000	Pa
G=Gold	P=Positive pressure	C=SPST-NC	D=Decreasing		in W.C.
		D=SPDT			mbar
					inHg
					etc

D Shape and Vent Hole

1=Positive pressure end: LEFOO, hexagonal, axial interface, negative pressure end: hexagonal, axial interface	10= Positive pressure end: LEFOO, round, without interface, negative pressure end: round, with radial interface
2=Positive pressure end: LEFOO, hexagon, radial interface, negative pressure end: hexagon, radial interface, with air vent	11= Positive pressure end: LEFOO, round, without interface, negative pressure end: round, with ears, radial interface
3=Positive pressure end: LEFOO, hexagon, radial interface, negative pressure end: hexagon, radial interface	12= Positive pressure end: LEFOO, round, without interface, negative pressure end: round, with radial interface, with air vent
4=Positive pressure end: LEFOO MAMCO, hexagon, radial interface, negative pressure end: hexagon, radial interface, with air vent	13= Positive pressure end: LEFOO, round without interface, negative pressure end: round with ears, radial interface and air vent
5=Positive pressure end: LEFOO MAMCO, hexagon, radial interface, negative pressure end: hexagonal radial interface	14=Positive pressure end: LEFOO, circular, radial interface, negative pressure end: circular, radial interface
6= Positive pressure end: LEFOO, hexagon, radial interface with air vent, negative pressure end: hexagon, radial interface with air vent	15=Positive pressure end: LEFOO, round, radial interface, negative pressure end: round, with ears, radial interface
7= Positive pressure end: LEFOO, hexagon, radial interface, with vent hole, negative pressure end: hexagon, radial interface	16=Positive pressure end: LEFOO, round, radial interface, negative pressure end: round, radial interface, with air vent
8= Positive pressure end: neutral, hexagonal, radial interface, negative pressure end: hexagonal, radial interface, with air vent	17=Positive pressure end: LEFOO, round, radial interface, negative pressure end: round, with ears, radial interface, with air vent
9= Positive pressure end: neutral, hexagonal and radial interface, negative pressure end: hexagonal and radial interface	

Specification

LF31A	
Media	Air,products of combustion or natural gas
Operating Pressure Range	0.08in W.C. to 34in W.C.
Mounting Position	Diaphragm in any vertical Plane
Proof Pressure	100in W.C.(3.6psi)
Burst Pressure	5psi Minimum
Operating Temperature	-40°C to +85°C
Contact Arrangement	SPSP or SPDT
Electrical Rating	Resistance:initial < 50 milliohms Current:100mA minimum,5A(resistive)maximum(fine silver alloy contacts) 15mA minimum,0.2A maximum(gold-platinum-silver alloy contacts)
Termimnal	6.3mm copper alloy
Connection	Φ6.4mm for tube connection

Conversion:1in W.C.=249Pa 1mbar=100Pa

www.lefoo.com

LF31A switches offer pressure, vacuum and differential models capable of sensing very low setpoints, and switching current up to 5A resistive,2.5A inductive. Designed for use in the HVAC industry, where reliable air proving is critical to both performance and customer safety.The LF31A is a favorite with leading manufacturers of gas-fired warm air furnaces and water heaters.