

LF20-H Pressure Switch

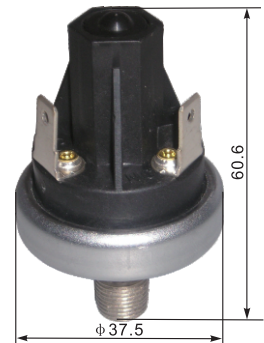
LEFOO

The LF20-H pressure switches are robust, compact and designed to operate in harsh environments at various pressures. Because of its special internal design this switch can tolerate high pressure spikes inherent on many pressure systems. The switch is factory calibrated but in the case that adjustment is needed in the field the switch offers an adjustment screw to facilitate any fine tuning required. The standard diaphragm employed by LEFOO is polyimide (Kapton) making it compatible with many gases and liquids. Several other diaphragm materials are available that make the switch compatible with many mediums. Various electrical terminations are available including 1/4 tabs and a metric-pack connector that forms a tight seal when connected. Because of their ruggedness the LF20-H is a popular choice for the many OEM applications. This recently re-engineered version of our LF20 uses a 3 piece construction and screw machined components that it capable of handling much higher pressures than our original work horse LF20.



Specification

Series Number	LF20-H
Media	Air, motor oils, transmission oils, jet fuels and other similar hydrocarbon media; Water
Pressure Set Point	Factory set from 10 to 400 PSI
Max Operating Pressure	500 PSI
Proof Pressure	2000 PSI
Burst Pressure	4000 PSI
Operating Temperature Range	-40°C to 120°C
Switch Type	Direct action, blade contact
Electric Rating	Resistive : 15AMP-6VDC 8AMP-12VDC 4AMP-24VDC Inductive: 1AMP-120VAC 0.5AMP-240VAC
Contact Arrangement	SPST-N.O., N.C., SPDT
Terminal	#8-32 screws, 1/4" blade, Metri-Pack
Connection	1/8"NPT Male, 1/4"NPT Male, G1/8" Male, G1/4" Male
Material	Contact: Silver alloy, gold plated Base: Plated Steel Cover: Glass reinforced polyester Diaphragm: Polyimide film (other materials is optional according to media)
Options	Base connector sizes, wire leads, N.O./N.O. dual circuit and N.C./N.C. dual circuit.



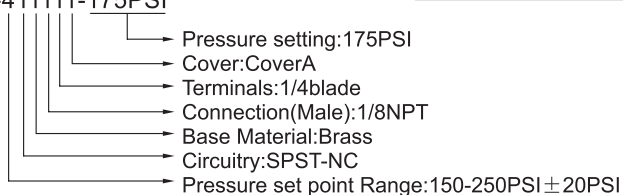
罩盖B
(CoverB)

Conversion: 1Kgf/cm²=14.2PSI 1Bar=14.5PSI

LF 20-H Order Ref No:

The polyimide diaphragm is not suit for water, If customer is to use the pressure switch in water, please contact the factory.

i.e.: LF20-H-411111-175PSI



Number	Pressure set point Range	Circuitry	Base Material	Connection	Terminals	Cover
0	/	/	/	/	/	none
1	10-35PSI ± 3PSI	SPST-N.C.	/	1/8NPT	1/4 blade	cover A
2	35-75PSI ± 7PSI	SPST-N.O.	Plated Steel	1/4NPT	#8-32 screws	cover B
3	75-150PS ± 10PSI	SPDT-N.O.-C-N.C.	Stainless Steel	R1/8	Wire leads	/
4	150-250PS ± 20PSI	SPST-NO (Adjustable)	/	R/4	/	/
5	250-400PS ± 50PSI	SPDT-N.O-C-N.C. (N.O. Adjustable)	/	G1/8	/	/
6	/	/	/	G1/4	/	/

尺寸单位: mm
(Dimension in mm)