

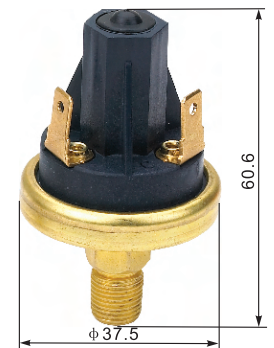
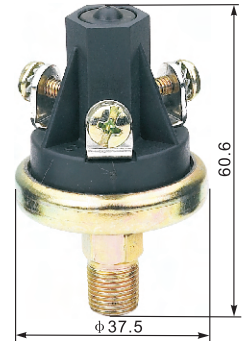
LF20 Pressure Switch

The LF20 pressure switch is specifically designed to stand up to extended duty applications. This switch is factory set but capable of field adjustment. It features different diaphragms for compatibility with a wide variety of fluids, and various terminations including a Metri-Pack connector that forms a tight seal when connected. Among the outstanding design benefits are its durable construction, compact size, and enhanced set point integrity. It can be widely used for pool and spa, anti-skid braking systems, water pump systems, and dental air compressors, heavy construction, off road applications and other pressure control systems.



Specification

Model	LF20
Media	Air, motor oils, transmission oils, jet fuels and other similar hydrocarbon media; water (provide with special diaphragm material)
Pressure Set Point	Factory set from 0.5 to 150 PSI
Max Operating Pressure	150 PSI for 0.5-24 PSI set point range 250 PSI for 25-150 PSI set point range
Proof Pressure	500 PSI
Burst Pressure	750 PSI for 0.5-24 PSI set point range 1250 PSI for 25-150 PSI set point range
Operating Temperature Range	-40°C to ~ 120°C
Switch Type	Direct action, blade contact
Electric Rating	Resistive: 15 AMP- 6 VDC 8 AMP- 12 VDC 4 AMP- 24 VDC Inductive: 1 AMP- 120 VAC 0.5 AMP- 240 VAC
Contact Arrangement	SPST-N.O., N.C., 1 circuit adjustable dual circuit, or 2 circuits adjustable dual circuit. Also available are N.O./N.O. dual circuit and N.C./N.C. dual circuit."
Terminals	#8-32 screws, 1/4" blade, 280 Series Metri-Pack connection
Connection	1/8-27 NPT male, other thread is available on request
Material	Contact: Silver alloy, gold plated Base: Brass Cover: Glass reinforced polyester Diaphragm: Polyimide film (other materials is optional according to media)
Options	Plated Steel, plastic or stainless steel base; various base connector thread sizes; wire leads (potted & sealed). Teflon or EPDM diaphragm



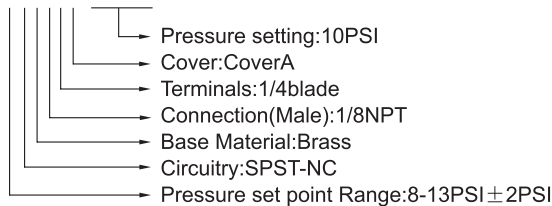
尺寸单位: mm
(Dimension in mm)

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

LF20 Order Ref No. for standard terminal

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

i.e.: LF20-411111-10PSI



罩盖A
(CoverA)



罩盖B
(CoverB)

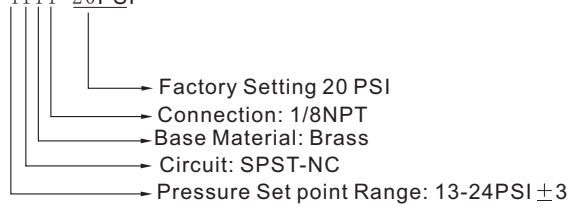
Number	Pressure set point Range	Circuit	Base Material	Connection	Terminals	Cover
0	/	/	/	/	/	none
1	0.5-1PSI ± 0.3PSI	SPST-NC	Brass	1/8NPT	1/4 blade	coverA
2	1.1-3PSI ± 0.5PSI	SPST-NO	Plated steel	1/4NPT	#8-32 screws	coverB
3	3.1-7PSI ± 1PSI	SPDT-NO-C-NC	Stainless steel	R1/8	Wire leads	/
4	8-13PSI ± 2PSI	SPST-NO (Adjustable)	/	R1/4	/	/
5	14-24PSI ± 3PSI	SPDT-NO-C-NC (Adjustable)	/	G1/8	/	/
6	25-50PSI ± 5PSI	/	/	G1/4	/	/
7	51-90PSI ± 7PSI	/	/	/	/	/
8	91-150PSI ± 10PSI	/	/	/	/	/

LF20 Pressure Switch



LF20 Order Ref No. with Metri-Pack terminal

i. e. : LF20-4111-20PSI



Number	Pressure set point Range (PSI)	Circuit	Base Material	Connection
1	1-3 PSI \pm 0.5	SPST-NC <small>(Mates with Packard P/N 15300027)</small>	Brass	1/8NPT
2	4-6 PSI \pm 1	SPST-NO <small>(Mates with Packard P/N 15300027)</small>	Plated steel	1/4NPT
3	7-12 PSI \pm 2	SPDT-NO-C-NC <small>(Mates with Packard P/N 12034147)</small>	Stainless steel	R1/8
4	13-24 PSI \pm 3	/	/	G1/8
5	25-46 PSI \pm 5	/	/	G1/4
6	47-76 PSI \pm 6	/	/	/
7	77-100 PSI \pm 7	/	/	/
8	101-126 PSI \pm 9	/	/	/
9	127-150 PSI \pm 10	/	/	/

