

LF31 Pressure Switch (37-8500 Pa)

LF31 pressure switches offer pressure, vacuum and differential models capable of sensing very low set points, 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 LF31 pressure switch is a favorite with leading manufacturers of gas-fired warm air furnaces and water heaters.

Smaller and lighter than any other HVAC pressure switch, the LF31 pressure switch is built for the same temperature range and operating life as conventional switches made of stamped steel.

The LF31 pressure switches will perform equally well in other applications which requires low OEM unit cost, robust design, set point accuracy, and high reliability.

The LF31 pressure switch features a unique integral snap switch, with positive snap action and self-wiping silver contacts for ultra-reliable switching. The molded silicone diaphragm converts very low pressure or vacuum into movement of an actuator disk, which operates the silver alloy contacts.



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Model	LF31
Medium	Air , combustion products, L.P. or natural gas
Operating Pressure Range	0.15" W.C.to34" W.C.
Proof Pressure	100" W.C.(3.6PSI)
Operating Temperature	-40° C to85° C
Contact Arrangement	SPST or SPDT

Electric Rating	Resistance: Initial: <50 milliohms Current: 100mA minimum, 5A resistive maximum (fine silver alloy contacts); 15mA minimum, 0.5A resistive maximum (gold-platinum-silver alloy contacts);
Terminals	0.032" x 0.250" copper alloy
Connection	Inlet 0.25" for tube connection

Conversion: 1"W.C.= 1 inch/H₂O=249Pa 1mbar=100Pa