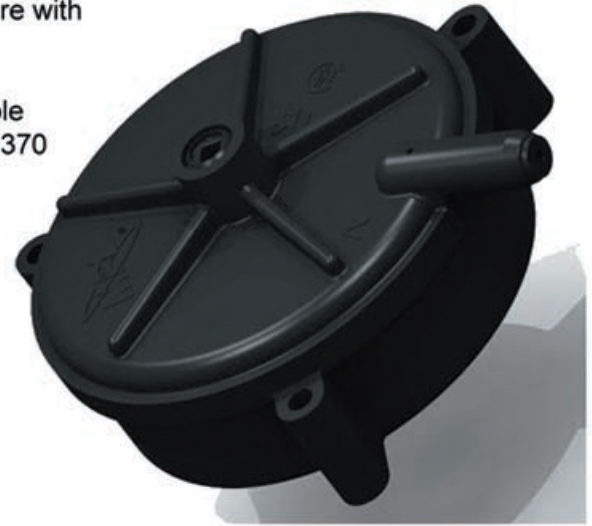


MPL 9370: Low Pressure Snap-Action Switch

MPL 9370 series low-pressure snap-action switches provide long-life and high-reliability when sensing positive pressure, vacuum and differential pressure with actuation points as low as 0.15 in/H₂O.

Designed for gas-fired warm air furnaces and water heaters, where reliable air proving is critical to both performance and customer safety, the MPL 9370 series is a favorite with leading manufacturers worldwide. Smaller and lighter than most HVAC pressure switches, the MPL 9370 series is built for the same temperature range and operating life as classic designs made of stamped steel.

MPL model 9370 for high current and model 9371 for low current will perform equally well in many other applications which demand long-life reliability, accurate low-range set point sensing, and low OEM cost.



Description

MPL 9370 and 9371 feature the same unique integral switch design, with positive snap action and self-wiping contacts for ultra-reliable switching. The molded silicone diaphragm converts very low pressure or vacuum change into movement of an actuator disk, which operates the precious metal contacts.

Electrical

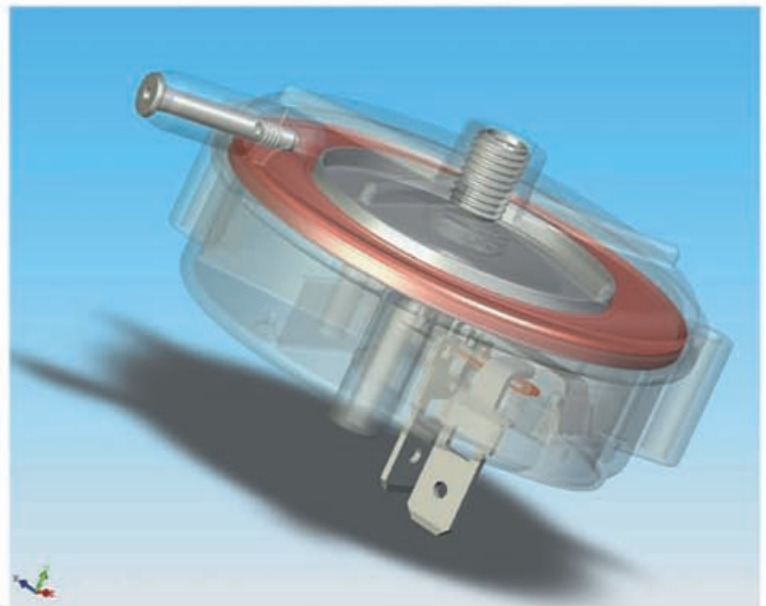
Model 9370 employs robust silver contacts to switch current from 100mA up to 5A resistive. Model 9371 has platinum-gold-silver contacts for dry circuit applications, capable of reliable switching with current as low as 15mA minimum, 0.5A maximum. MPL 9370 and 9371 have been subjected to rigorous life cycle and environment testing and are recognized by UL and CSA for application under Standard 353, Pilot Duty and Standard 508, Industrial Control.

Mounting Options

The MPL 9370 and 9371 can be mounted with diaphragm perpendicular or parallel to horizontal level, as required by the application (Orientation must be included in user specifications. Perpendicular mounting is recommended.) Standard mounting brackets are lightweight metal with unique features for flexible orientation of pressure port.

Specifications

Body:	glass-filled polyester, grade SEO
Diaphragm:	post-cured silicone rubber
Terminals:	0.032" x 0.250" copper alloy
Contacts [9370]:	fine silver alloy, point-and-dome
Contacts [9371]:	gold-platinum-silver alloy, crossbar
Actuator:	stainless steel
Springs:	stainless steel, phosphor bronze
Operating Temperature:	-40 to +85C (-40 to +185F)
Operating:	0.15 in/H ₂ O to 34 in/H ₂ O
Proof:	100 in/H ₂ O (3.6 psi)
Burst:	5 psi minimum
Form:	SPDT
Resistance:	Initial: <50 milliohms



ROHS Compliant

