



PRESSURE, VACUUM, AND DIFFERENTIAL SWITCHES PRINTED CIRCUIT BOARD MOUNTABLE

PSW23 Series
PSW24 Series
PSW25 Series

All Models
\$22



- ✓ UL Recognized, CSA Certified
- ✓ Printed Circuit Board Mountable
- ✓ Leads Available as an Option
- ✓ Several Fitting Styles Available
- ✓ Pressure, Vacuum, and Differential Models Available
- ✓ Fixed Setpoint

These miniature single-pole switches are used in pressure and vacuum applications in which moderate accuracy is sufficient. The fixed setpoint is factory set.

SPECIFICATIONS

Temperature Range:
-10 to 75°C (14 to 167°F)

Setpoint Accuracy:
±10% of setting at 21°C (70°F)
Note: Pressure settings may change over the temperature range.

Materials of Construction

Lower Body: Rynite plastic (with pin terminals molded in)

Upper Body: Acetal plastic

Diaphragm: EPDM (ethylene-propylene diene monomer)

Internal Parts: Acetal plastic

Screws: Stainless steel or zinc-plated steel, flash

Contacts: SPST (normally open); gold flash over silver-plated copper alloy

Pins: Gold flash over silver-plated copper alloy

Leads [Optional (-L)]: 8", 20 AWG stranded PVC-insulated wire fastened to the switch terminals



All products shown larger than actual size.

Electrical: SPST (NO), 1 A resistive 250 Vac; ratings are dependent on actuation pressure and must be derated at lower pressures (under 1 psi).

Pressure Connection

PSW23: 1/8 MNPT

PSW24: Center spout for 1/8 ID tubing; provided with 1/16-18 mounting nut.

PSW25: Radial spout for 1/8 ID tubing

Proof Pressure: See table

Hysteresis (Deadband): Negligible

Media Compatibility: Air, water and many other fluids and gases that are

compatible with EPDM acetal plastic
Note: Mineral oil and similar fluids are not compatible with EPDM. Request nitrile diaphragms (see "Custom Switches" on next page). Contacts are exposed to media on base spout.

Overall Dimensions:

38 x 25 mm (1.5 x 1")

Pin Spacing: 12.7 mm (0.5") centers

Weight: 6 g (0.2 oz)

Approvals: UL-recognized, CSA-certified switches

MOST POPULAR MODELS HIGHLIGHTED!

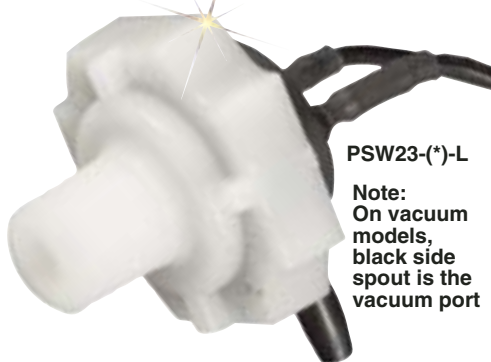
To Order (Specify Model Number)			
PRESSURE MODELS PSW23 1/8 MNPT with 1/16 Threaded Mounting Nut Included			
MODEL NO.	PRICE	FIXED SETPOINT	PROOF PRESSURE
PSW23-10W	\$22	10 inH ₂ O	250 inH ₂ O
PSW23-20W	22	20 inH ₂ O	250 inH ₂ O
PSW23-1P	22	1 psig	40 psig
PSW23-2P	22	2 psig	40 psig
PSW23-10P	22	10 psig	40 psig
PSW23-20P	22	20 psig	40 psig
PSW23-30P	22	30 psig	60 psig

Ordering Example: PSW23-10P, fixed setpoint of 10 psig, \$22.



PRESSURE, VACUUM, AND DIFFERENTIAL SWITCHES

MOST POPULAR MODELS HIGHLIGHTED!



PSW23-(*)-L

Note:
On vacuum
models,
black side
spout is the
vacuum port



PSW24-(*)-L



PSW25-(*)-L



PSW25-(*)-L

All products shown
smaller than actual size.

VACUUM MODELS PSW23V 1/8 MNPT with 1/16 Threaded Mounting Nut Included			
MODEL NO.	PRICE	FIXED SETPOINT	PROOF PRESSURE
PSW23V-10W	\$22	10 inWC Vac	300 inWC Vac
PSW23V-20W	22	20 inWC Vac	300 inWC Vac
PSW23V-50W	22	50 inWC Vac	300 inWC Vac
PSW23V-100W	22	100 inWC Vac	300 inWC Vac
PSW23V-200W	22	200 inWC Vac	400 inWC Vac

PRESSURE MODELS PSW24 Center Spout for 1/8 ID Tubing, with 1/16 Threaded Mounting Nut and Tube Lock Nut Included			
MODEL NO.	PRICE	FIXED SETPOINT	PROOF PRESSURE
PSW24-10W	\$22	10 inH ₂ O	250 inH ₂ O
PSW24-20W	22	20 inH ₂ O	250 inH ₂ O
PSW24-1P	22	1 psig	40 psig
PSW24-2P	22	2 psig	40 psig
PSW24-10P	22	10 psig	40 psig
PSW24-20P	22	20 psig	40 psig

VACUUM MODELS PSW24V Center Spout for 1/8 ID Tubing, with 1/16 Threaded Mounting Nut and Tube Lock Nut Included			
MODEL NO.	PRICE	FIXED SETPOINT	PROOF PRESSURE
PSW24V-10W	\$22	10 inWC Vac	300 inWC Vac
PSW24V-20W	22	20 inWC Vac	300 inWC Vac
PSW24V-50W	22	50 inWC Vac	300 inWC Vac
PSW24V-100W	22	100 inWC Vac	300 inWC Vac
PSW24V-200W	22	200 inWC Vac	400 inWC Vac

PRESSURE MODELS PSW25 Radial Spout for 1/8 ID Tubing			
MODEL NO.	PRICE	FIXED SETPOINT	PROOF PRESSURE
PSW25-10W	\$22	10 inH ₂ O	250 inH ₂ O
PSW25-20W	22	20 inH ₂ O	250 inH ₂ O
PSW25-1P	22	1 psig	40 psig
PSW25-2P	22	2 psig	40 psig
PSW25-10P	22	10 psig	40 psig
PSW25-20P	22	20 psig	40 psig

VACUUM MODELS PSW25V Radial Spout for 1/8 ID Tubing			
MODEL NO.	PRICE	FIXED SETPOINT	PROOF PRESSURE
PSW25V-10W	\$22	10 inWC Vac	300 inH ₂ O
PSW25V-20W	22	20 inWC Vac	300 inH ₂ O
PSW25V-50W	22	50 inWC Vac	300 inH ₂ O
PSW25V-100W	22	100 inWC Vac	300 inH ₂ O
PSW25V-200W	22	200 inWC Vac	400 inH ₂ O

Available with 8" 20 AWG leads; specify "-L" and add \$5 to the model number.
Ordering Example: PSW23V-10W-L, vacuum switch with a fixed setpoint of 10 inH₂O vacuum, 1/8 NPT pressure port, 8" 20 AWG leads, \$22 + 5 = \$27.

CUSTOM SWITCHES

Custom pressure switches are available—50 piece minimum order; consult Pressure Engineering for price and delivery
Custom Options: Pre-fixed setpoints other than those in the tables

Diaphragm: Nitrile

Leads: Custom length

Electrical: SPST, normally closed

Vacuum Switches: Vacuum port at top instead of black side spout (NC only)

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