

COMPACT SWITCHES FOR HAZARDOUS LOCATIONS PRESSURE/VACUUM RANGES

PSW495 Series
Vacuum to 3000 psi
Watertight Enclosure
Class I, Division 1 UL listed

Starts at
\$305



- ✓ Watertight, Corrosion-Resistant Case
- ✓ UL and CSA Listed Switches
- ✓ Reliable in Harsh Environments
- ✓ Field Adjustable

OMEGA's PSW495 series switches are designed to satisfy most industrial switch requirements. The actuators have been proved themselves in more than 20 years of service worldwide. The selection of seal materials and single or dual SPDT hermetically sealed switches meets most switching applications.

SPECIFICATIONS

Switch: UL and CSA listed snap-action SPDT

Electrical:

Standard: Hermetically sealed: 11 A, 125/250 Vac; 5 A, 30 Vdc

Options: hermetically sealed gold contacts: 1 A, 125 Vac; narrow deadband: 5 A, 125/250 Vac

Process Temperature Range:

"B" - Buna-N: -18 to 66°C (0 to 150°F)

"V" - FKM: -7 to 149°C (20 to 300°F)

"S" - Stainless Steel Welded: -18 to 93°C (0 to 200°F)

Repeatability: ±1% Full Range

Proof Pressure: the greater of 1000 psi or 400% range

Deadband:

Buna-N: see "To Order" chart for approximate deadband

FKM: Multiply Buna-N by 1.4

Stainless Steel: Multiply Buna-N by 1.7

Enclosure: Anodized aluminum body
UL listed Class I, Division 1, Groups A, B, C, D and Class 2, Groups E, F, G

Process Connection: ½ FNPT

Electrical Connections: ½ NPT conduit fitting with #18 AWG 450 mm (18") insulated wire leads

Wetted Parts: 316 SS + seal material

Ambient Temperature Limits:

-29 to 65°C (-20 to 150°F)

Dimensions: 156 H x 38 W x 38 mm D (6.4 H x 1.5 W x 1.5" D)

Weight: approximately 0.6 kg (1.32 lb)

OPTIONAL CONFIGURATIONS

Narrow Deadband Switches:

add suffix **"-P"**, \$90

Dual SPDT Switches:

add suffix **"-JJ"**, \$185

Gold Switch: add suffix **"-L"**, \$100

Dual Gold Switch: add suffix **"-LL"**, \$100

FKM Actuator Seal: (vacuum to 1000 psi ranges) replace **"B"** in model number with **"V"**, add \$10 for psi ranges

PTFE Actuator Seal: (vacuum to 1000 psi ranges) replace **"B"** in model number with **"T"**, add \$20 for psi ranges

Welded Stainless Steel Actuator

Seal: (psi ranges to 1000) replace **"B"** in model number with **"S"**, \$50



PSW495B-100, \$305, shown larger than actual size.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)				
NOMINAL RANGE(1)	MODEL NO.	PRICE	PROOF (PSI)	APPROXIMATE DEADBAND(2)
STANDARD MODELS: Buna-N Seal, SINGLE 11 A Switch				
30 inHg Vac	PSW495B-30Vac	\$305	1000	1.0 to 8.0
30 psi	PSW495B-30	305	1000	0.5 to 3.0
60 psi	PSW495B-60	305	1000	0.5 to 4.0
100 psi	PSW495B-100	305	1000	2.0 to 9.0
200 psi	PSW495B-200	305	1000	3 to 17
400 psi	PSW495B-400	305	1600	5 to 30
600 psi	PSW495B-600	305	2400	10 to 45
1000 psi	PSW495B-1K	305	4000	20 to 140
2000 psi	PSW495B-2K*	305	12000	100 to 200
3000 psi	PSW495B-3K*	305	12000	150 to 300

* Supplied with O-ring sealed piston actuator rather than diaphragm sealed actuator

Comes with complete operator's manual.

Notes: (1) Switches may generally be set between 15 and 100% of nominal range; exception is stainless steel, whose limits are 20 to 100%. (2) Deadbands are for Buna-N in standard units as referenced in the nominal range column. See specifications for approximate deadbands of optional seals.

Ordering Example: PSW495T-100-JJ, PTFE diaphragm seal, range of 100 psi and dual hermetically sealed 11 A switches, \$305 + 20 + 185 = \$510.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1801	\$65	Reference Book: Hydraulics field manual



omega.co.uk[®]

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488
+44-(0)161-777-6611

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

FRANCE

www.omega.fr

0800-466-342

GERMANY

www.omega.de

Deckenfronn, Germany
0800-8266342

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters