

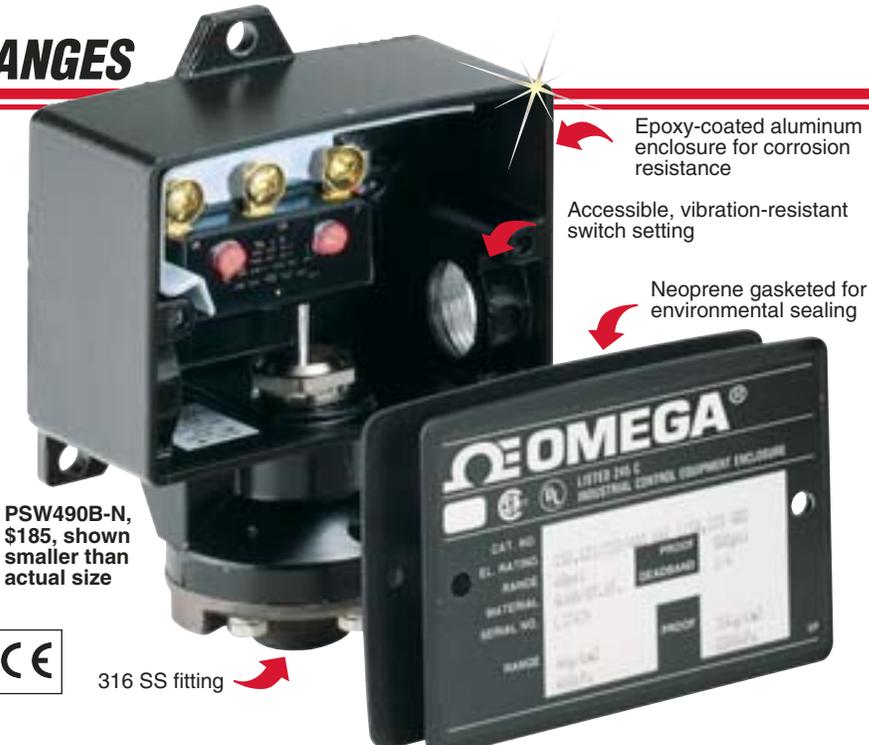
GENERAL PURPOSE INDUSTRIAL SWITCHES

PRESSURE/VACUUM RANGES

PSW490 Series
Vacuum to 3,000 psi
WATERTIGHT ENCLOSURE
NEMA-3, NEMA-4, NEMA-4X,
NEMA-13 AND IP66

PSW490 Series
\$185
 Basic Unit

- ✓ Watertight, Corrosion-Resistant Case
- ✓ UL Listed Switch
- ✓ Reliable in Harsh Environments



PSW490B-N, \$185, shown smaller than actual size

316 SS fitting

The OMEGA® PSW490 Series of switches are designed to satisfy most industrial switch requirements. The actuators have been proven in more than 20 years of service worldwide. A Buna-N seal and SPDT switch is standard. Optional FKM or stainless steel seals extend media compatibility to most fluids, and either the hermetically sealed or dual SPDT switches will meet most switching applications.

SPECIFICATIONS

Switch: UL and CSA listed snap action switch SPDT
Electrical: Std: 15 A, 125/250/480 Vac, ½ A, 125 Vdc; ¼ A, 250 Vdc; 6 A, 30 Vdc
 Hermetically sealed: (suffix “-HS”) 11 A, 125/250 Vac, 5A, 30 Vdc
Process Temperature Range:
 Buna-N: -20 to 65°C (-4 to 149°F)
 FKM: -5 to 150°C (-23 to 302°F)
 Stainless Steel: -20 to 150°C (-4 to 302°F)
Repeatability: ±1% Full Range
Proof Pressure: 400% of Range
Deadband: Buna-N see “To Order”
 FKM: multiply Buna-N by 1.4
 Stainless Steel: multiply Buna-N by 1.7
Enclosure: Epoxy-coated aluminum. Meets NEMA-3, -4, -4x, -13 and IP66 requirements
Process Connection: ½ NPT Male, ¼ NPT Female combination
Electrical Connections: ¼ NPT entry, screw terminals internal
Wetted Parts: 316 SS, Buna-N
Dimensions: psi ranges: 144 H x 102 W x 59 mm D (5.7 x 4 x 2.3”); inH₂O Ranges: W & D = 130 mm (5.1”)

OPTIONAL CONFIGURATIONS

Hermetically Sealed Switch:
 add suffix “-HS”, \$90
Dual SPDT Switches:
 add suffix “-DS”, \$60

Stainless Steel Actuator Seal: (psi ranges to 1000) replace “B” in model number with “SS”, \$50
FKM Actuator Seal: (vacuum to 1000 psi ranges) replace “B” in model number with “V”, add \$10 for psi ranges or \$50 for inH₂O ranges

MOST POPULAR MODELS HIGHLIGHTED!

| To Order (Specify Model Number) | | | | |
|--|--------------|-------|-------------|-------------------------------------|
| NOMINAL RANGE ⁽¹⁾ | MODEL NUMBER | PRICE | PROOF (PSI) | APPROXIMATE DEADBAND ⁽²⁾ |
| STANDARD MODELS: BUNA-N SEAL, 15 A SWITCH | | | | |
| 30 inHg Vacuum | PSW490B-A | \$220 | 250 | 1.5 to 3.0 |
| -15 inH ₂ O/15 inH ₂ O | PSW490B-B | 220 | 20 | 1.5 to 2.5/1.5 to 2.5 |
| -30 inH ₂ O/30 inH ₂ O | PSW490B-C | 220 | 20 | 1.5 to 2.5/1.5 to 2.5 |
| 30 inHg Vac/15 psi | PSW490B-D | 220 | 250 | 2.0 to 3.0/0.5 to 1.5 |
| 30 inHg Vac/30 psi | PSW490B-E | 220 | 250 | 3.0 to 6.0/1.0 to 2.0 |
| 30 inHg Vac/60 psi | PSW490B-F | 220 | 250 | 5.0 to 9.0/3.0 to 5.0 |
| 10 inH ₂ O | PSW490B-G | 220 | 20 | 1.0 to 2.0 |
| 30 inH ₂ O | PSW490B-H | 220 | 20 | 1.5 to 2.5 |
| 60 inH ₂ O | PSW490B-I | 220 | 20 | 1.5 to 3.5 |
| 100 inH ₂ O | PSW490B-J | 220 | 20 | 2.5 to 5.5 |
| 150 inH ₂ O | PSW490B-K | 220 | 20 | 4.5 to 8.5 |
| 15 psi | PSW490B-L | 185 | 500 | 0.5 to 1.5 |
| 20 psi | PSW490B-M | 185 | 500 | 0.5 to 1.5 |
| 60 psi | PSW490B-N | 185 | 500 | 1.0 to 3.5 |
| 100 psi | PSW490B-O | 185 | 1000 | 1.5 to 5.0 |
| 200 psi | PSW490B-P | 185 | 1000 | 5 to 13 |
| 400 psi | PSW490B-Q | 185 | 2400 | 5 to 24 |
| 600 psi | PSW490B-R | 185 | 2400 | 9 to 30 |
| 1000 psi | PSW490B-S | 235 | 12000 | 30 to 110 |
| 3000 psi | PSW490B-T | 235 | 12000 | 80 to 235 |

Comes with complete operator's manual.
Notes: 1. Switches may generally be set between 15 and 100% of nominal range.
 2. Deadbands are in English units as shown in the Nominal Range column for Buna-N diaphragm models. See table in “Specifications” for approximate deadbands of optional seals.
Ordering Example: PSW490SS-L-HS has a stainless steel seal, a range of 15 psi and a hermetically sealed 11A switch, \$185 + 50 + 90 = \$325.

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