



Made in USA

RoHS

The rugged yet ultra-sensitive PSF100A pressure switch incorporates a patented dual diaphragm / dual contact design offering protection against false actuation due to shock and vibration. FREE sample switch available by request.

SPECIFICATIONS

MECHANICAL

Standard Tolerance	±20% (Tighter tolerances available)
Switch Type	SPST normally open double-make/double-break
Switching Medium	Air; compatible fluids on "High" side
Mechanical Life	More than 20 million cycles
Proof Pressure	8 psi: for units where set point is 3.0" H ₂ O or less 15 psi: for units where set point is greater than 3.0" H ₂ O 8 psi: for units with Teflon® diaphragm
Shock & Vibration	At zero pressure, will not make at 50G's shock, will not make at 10G's, 50 to 2000 Hz vibration (see diagram on pg 19)
Operating Temp.	+40°F to +150°F (standard) -46°F to +205°F (contact us)

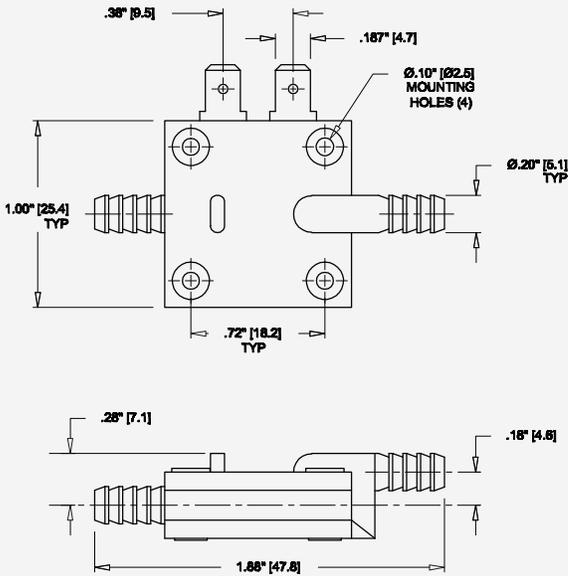
PHYSICAL

Case Material	Polycarbonate (other materials available)
Porting Options	Two .200" diameter barbed ports (low / high) for use with 1/8" - 3/16" ID tubing
Diaphragm Material	Polyurethane (Teflon® optional)
Contact Points	Gold (dual)
Electrical Connections	Terminals – .187"x.020" tab-type, for use with quick disconnects (ref. AMP 2-520182-2 or equivalent)
Mounting	Eyeleted for #2 screws; mounting clip or bracket available (see page 15)
Weight	Less than 10 grams

ELECTRICAL

Current Rating	40mA resistive for life in excess of 20 million cycles
Operating Voltage	AC/DC – 30V or less with resistive load; 120 VAC neon lamp load

Note: For higher load capabilities contact DesignFlex for our SRF solid state relay



FEATURES / BENEFITS

- Patented shock and vibration resistance
- Miniature size, lightweight, low cost
- Quick response time
- Dependable long life (20+ million cycles)
- Gold contact points (dual)
- Rugged Military Standard (MIL-SPEC)



SET POINT OPTIONS

NOTE: For TEFLON® diaphragm add "T" to set point

	0.5	1.0	1.5	2.0	3.0	4.0	6.0	8.0	10.0	12.0	15.0	20.0	30.0	40.0	50.0
In. H ₂ O	.1 - .5	1.0	1.5	2.0	3.0	4.0	6.0	8.0	10.0	12.0	15.0	20.0	30.0	40.0	50.0
mbar	.25 - 1.25	2.49	3.73	4.97	7.46	9.95	14.92	19.89	24.86	29.84	37.30	49.73	74.59	99.46	124.32
psi	.004 - .018	.036	.054	.072	.108	.144	.217	.289	.361	.433	.541	.722	1.083	1.444	1.804