PS-D Series – General Purpose Differential Pressure Switch

- Compact Range
- Can Be Mounted in Tight Spaces
- Rugged Housing

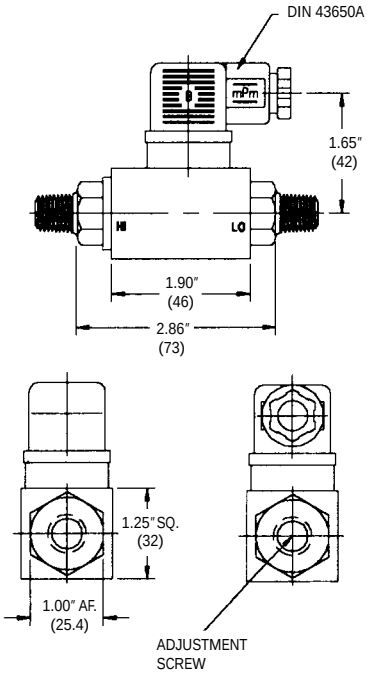
The PS-D Series' compact design enables them to be mounted in tight spaces. The switches use a piston/diaphragm design which incorporates the high proof pressure of piston technology with the sensitivity of diaphragm design. The PS-D series switches may be field or factory adjusted via a hex head screw inside the low port, protecting them against unauthorized tampering.

Specifications

Process Temperature	
Buna-N	-4°F to +176°F (-20°C to +80°C)
EPDM*	-40°F to +176°F (-40°C to +80°C)
Viton®*	+32°F to +176°F (+0°C to +80°C)
Ambient Temperature	-40°F to +176°F (-40°C to +80°C)
Switch	5 Amp SPDT@120/240 VAC and 12/24 VDC (>1 million cycles)
Approvals	Microswitch is UL and CSA recognized
Repeatability	2% of highest set point @ 68°F (20°C)
Wetted Parts	
Diaphragm	Buna-N (optional EPDM or Viton®)
Fitting	Zinc-plated steel (low port: additional wetted parts: Stainless Steel spring and adjustment screw)
Electrical Termination	DIN 43650A (optional DIN with LED, 1/2″ conduit, cable clamp)
Enclosure	IP65 (Nema 4) Aluminum (AL 2024) Anodized black
Pressure Port	G 1/4 or 1/4″ NPT male
Weight, Approximate:	.75 lbs. (0.35 kg)

*Optional

Dimensions



How To Order

Use the **Bold** characters from the chart below to construct a product code.

SELECT **PS** **-D** **-1** **-4M/4M** **-HC** **-X**

1. **-D** series
2. Insert Range Code From Table Below
3. Pressure Port
   -4M/4M 1/4″ NPT male both ports **-4G/4G** G 1/4 male both ports
4. Electrical Termination
   -H DIN male only; **-HC** DIN connector w/strain relief; **-HN** DIN connector with 1/2″ conduit
5. Options
   -1 Viton® diaphragm; **-2** EPDM diaphragm; **-7** gold electrical contacts; **-B** oxygen cleaned; **-11A** DIN with LED 12 VDC; **-11B** DIN with LED 245VDC; **-11C** DIN with LED 120 VAC; **-11D** Din with LED 240 VAC

Note: (+) For factory set units indicate setting and units followed by **-R** for rising or **-F** for falling
Example: PS-D-10psi-R-4M/4M-H (10psi, Rising, 1/4″ NPT, Normally Open Switch)

Pressure Range Code	Adjustable Range Max.	Dead Band Max.	Static Pressure Max.	Proof Pressure	Part Number	
					G 1/4″ Male	1/4″ NPT Male
-1	10-25 psi 0,7-1,7 bar	50% of set point	500 psi 35 bar	500 psi 35 bar	**176669**	**176671**
-2	20-45 psi 1,3-3,0 bar	50% of set point	500 psi 35 bar	500 psi 35 bar	**176670**	**176672**