MEYLE

PS-K Series – Economical Industrial Pressure Switch

- 20 Amp Switching Capabilities
- Wear Disc Design for Longer Life
- 350 mbar to 420 bar Ranges

Gems PS-K Series pressure switches incorporate a wear disc and cushioning ring that provide resistance to pressure surges. The industrial enclosure houses a 20 Amp switch featuring a dead band adjustment. The switches use a piston/diaphragm design, which combines the high proof pressure of piston technology with the sensitivity of diaphragm designs. The switches can be field or factory adjusted.

Specifications:

Process/Ambient Temperature	-40°F to +176°F (-40°C to +80°C)
Switch	20 Amp SPDT@120/240 VAC and 12/24 VDC (>2 million cycles @ 1000 psi)
Approvals	Microswitch is UL and CSA Recognised
Repeatability	2% of Highest Set Point @ 70°F (20°C)
Wetted Parts	
Diaphragm	Buna-N (Optional EPDM or Viton®)
Fitting	Zinc-Plated Steel or 316 SS
Housing	IP65 (Nema 4) Reinforced Plastic and Zinc-Plated Steel
Pressure Port	G or NPT 1/4" Male or Female (Optional 7/16"-20 UNF male male)
Electrical Termination	DIN 43650A or 1/2" NPTF Conduit
Weight, Approximate	1 lb. (0.45 kg)

How To Order

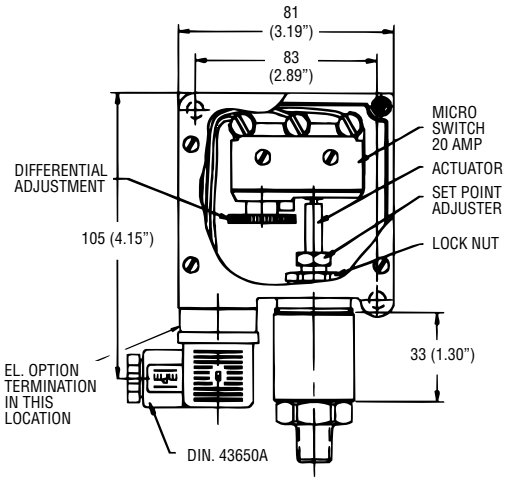
Use the **Bold** characters from the chart below to construct a product code.

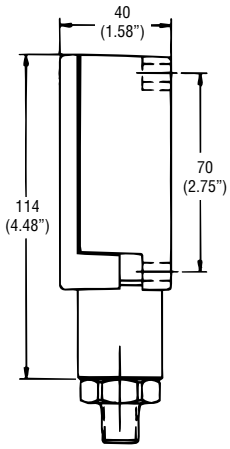
SELECT **PS** **-K** **-1** **-4G** **-C** **-HC** **-X**

1. **-K** Series
2. Insert Range Code From Table Below
3. Pressure Port
   -4M 1/4" NPT male; **-4G** G 1/4 male; **-4S** 7/16-20" UNF male;
   -4FS 1/4" NPT female 304 ss; **-4BS** G 1/4 female 304 ss
4. Circuit (*)
   -C SPDT; **-CC** DPDT; **-ZZ** DPDT-DB; (DB is double break)
5. Electrical Termination
   -EL 1/2" female conduit; **-HC** DIN connection w/strain relief;
   -HN DIN connection w/1/2" conduit; **-H** DIN male only
6. Options
   -1 Viton® diaphragm; **-2** EPDM diaphragm; **-4** pneumatic valve; **-B** oxygen cleaned; DIN connection w/light also available

Note: (+) For factory-set units indicate setting and units followed by **-R** for rising or **-F** for falling
Example: PS-K-50psi-R-4M-C-EL (50psi, Rising, SPDT-1/2" female conduit)
(*) adjustable differential on **-C** SPDT option, other options have fixed differentials

Dimensions mm (in)





Range Code	Pressure Range	Adjustable Dead Band	Proof Pressure
-5	0.35-1.7 bar (5-25 psi)	0.17-0.43 bar (3-6 psi)	35 bar (500 psi)
-1A	1-5 bar (15-75 psi)	0.5-1.25 bar (8-19 psi)	600 bar (9000 psi)
-1	3.5-10 bar (50-150 psi)	1-1.25 bar (15-37 psi)	600 bar (9000 psi)
-2	10-45 bar (150-650 psi)	4.5-11 bar (65-160 psi)	600 bar (9000 psi)
-3	35-120 bar (500-1750 psi)	12-30 bar (175-430 psi)	600 bar (9000 psi)
-4A	70-240 bar (1000-3500 psi)	24-60 bar (300-875 psi)	600 bar (9000 psi)
-4	170-420 bar (2500-6000 psi)	42-105 bar (600-1500 psi)	600 bar (9000 psi)

PRESSURE SWITCHES

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