How To Order

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

PS71 -10 -4MNZ -C -H -XX -XXXX
(1) (2) (3) (4) (5) (6)

(1) Pressure Range Code
Insert Pressure Range Code from Table 1, below.

(2) Pressure Fitting[1]

12L14 Zinc-Plated Steel
- **-2MNZ** = 1/8˝ NPTM
- **-4MNZ** = 1/4˝ NPTM
- **-8MNZ** = 1/2˝ NPTM
- **-2MGZ** = 1/8˝ BSPM (G type)
- **-4MGZ** = 1/4˝ BSPM (G type)
- **-4MSZ** = 7/16˝-20 SAE Male
- **-6MSZ** = 9/16˝-18 SAE Male
- **-M10Z** = M10 x 1.0, Straight
- **-M12Z** = M12 x 1.5, Straight
- **-M14Z** = M14 x 1.5, Straight

316 Stainless Steel
- **-2MNS** = 1/8˝ NPTM
- **-4MNS** = 1/4˝ NPTM
- **-2MGS** = 1/8˝ BSPM (G type)
- **-4MGS** = 1/4˝ BSPM (G type)

(3) Circuit
- **-A** = SPST/N.O.
- **-B** = SPST/N.C.
- **-C** = SPDT

(4) Electrical Termination
- **-SP** = Spade Terminals[2]
- **-FLXX** = Flying Leads[3]
- **-FLSXX** = Flying Leads w/PVC Shrink Tubing[3]
- **-ELXX** = 1/2˝ NPT Male Conduit w/Flying Leads[4]
- **-CABXX** = 18 AWG PVC Cable[5]
- **-H** = DIN 43650A Male Half Only[6]
- **-HR** = Right Angle DIN 43650A Male Half Only[6]
- **-HC** = DIN 43650A 9mm Cable Clamp[6]
- **-HCR** = Right Angle DIN 43650A 9mm Cable Clamp[6]
- **-HN** = DIN 43650A with 1/2˝ Female NPT Conduit[6]
- **-HNR** = Right Angle DIN 43650A with 1/2˝ Female NPT Conduit[6]

(5) Options[7]
- **-V** = Viton® Diaphragm
- **-E** = EPDM Diaphragm
- **-N** = Neoprene Diaphragm
- **-10A** = 10A @ 125/250 VAC Max. Rating
- **-G** = Gold Contacts (for loads less than 12 mA @ 12 VDC)
- **-RD** = Reduced Differential (25% reduction typical)
- **-IP** = Ingress Protection[8]
- **-OF** = Oil Free Cleaned[9]
- **-R** = Restrictor (low damping coefficient) Brass
- **-SR** = Spiral Restrictor (high damping coefficient) 300 Series Stainless Steel[10]
- **-WF** = Weather Pack Connector, Female
- **-WM** = Weather Pack Connector, Male
- **-DE** = Deutsch Connector, Male, DT04 Series

(6) Fixed Set Point (optional)
A. Specify set point **-FS** (in PSI or BAR, see example)[11]
B. Set Point Actuation
R on Rising Pressure
F on Falling Pressure
Example: **-FS2BARF** for 2 BAR Falling or **-FS20PSIR** for 20 PSI Rising

Notes:
1. Other fittings available. Consult factory.
2. 20% increase in deadband typical.
3. 18˝ is standard. Specify lead length in inches (max. 48˝). e.g. **-FL18** or **-FLS30**.
4. 18˝ is standard. Specify lead length in inches (max. 48˝). e.g. **-EL18** or **-EL30**.
5. 36˝ is minimum. Specify cable length in inches. e.g. **-CAB36** or **-CAB120**.
6. DIN connectors require **-C** SPDT circuit.
7. Options **-10A**, **-G** or **-RD** cannot be combined.
8. Ingress Protection is available only with **-FL**, **-FLS** or **-CAB** Electrical Termination choices. Ingress Protection requires Fixed Set Point **-FS**.
9. Requires stainless steel housing.
10. **-SR** will result in wider deadbands and slower response time.
11. Set Point must be within Pressure Range selected in Step 1.

Table 1 — Pressure Range Codes

Pressure Range Code	Pressure Range	Accuracy*	Average Deadband**
10	10-30 psi (0.7-2.1 bar)	±1.5 psi (0.103 bar) +2% of setting	3.5 psi (0.28 bar) +11% of setting
20	25-75 psi (1.7-5.2 bar)	±2.5 psi (0.172 bar) +2% of setting	3.5 psi (0.28 bar) +11% of setting
30	65-300 psi (4.5-20.7 bar)	±5.0 psi (0.345 bar) +2% of setting	20 psig (1.38 bar) +11% of setting
40	250-1000 psi (17.2-69.0 bar)	±15 psi (1.03 bar) +2% of setting	45 psig (3.10 bar) +12% of setting
50	1000-3000 psi (69-206.8 bar)	±30 psi (2.06 bar) +3% of setting	70 psig (4.83 bar) +12% of setting
60	2500-5000 psi (172.4-344.7 bar)	±50 psi (3.45 bar) +4% of setting	140 psi (9.65 bar) +13% of setting

* Accuracy and set point of units may change due to the effects of temperature.
** These numbers are for the standard microswitch. With either the -SP or -10A option, the values are typically 20% greater than those listed. With the -RD option, the values will be typically 25% less than those listed. In certain applications deadband can be tailored and controlled to customer specifications. Consult factory for details.