Pressure switch EXPLOSION PROOF TYPE

Explosion Proof Type Protection: IP68

Proof Pressure to 500psi Adjustable Ranges: 0.05~9.8psi Temperature: -30 to 205°C

The New-Flow PS2200X, an explosion proof pressure switch, is designed to be used in control systems. PS2200X has high set point repeatability and narrow dead band features. A variety of range selections are available upon request. Easily adjusted to the set point, and no special tools needed!

Technical Data

Switch Data: one SPDT & two SPDT Microswitch, 15amps 125/250VAC, DC 125V 0.4A, DC 30V 3A, / Gold Contact

Microswitch 1A 125/250VAC, / Hermetically Sealed Switch 5A/250VAC Housing: die cast aluminum alloy with paint, and SS316 available Conduit Connection: Female 34", 1/2"NPT, M20 x P1.5 available

Pressure Element: welded type diaphragm

Process Material: wetted parts are all in SS316
Process Connection: Male ½" or ¼" NPT, BSP, PT; and M20xP1.5

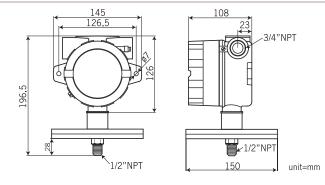
thread available Repeatability: ±1% of full scale

Range Selection Table

| Code | Adjustable Range | Dead Band | Maximum Pressure Proof |
|------|------------------|-----------|------------------------|
| 04R | 0.05~1.8 psi | 0.015~0.3 | 500 psi |
| 10R | 0.4~2.8 psi | 0.2~0.5 | 500 psi |
| 20R | 0.4~5.0 psi | 0.3~0.6 | 500 psi |
| 30R | 1.6~9.8 psi | 0.3~0.8 | 500 psi |



Dimension



NOTE

This picture and dimensions is for Explosion type A (Certificate on Housing only). Type B/B1, E, X, J, R and U are on request.

Ordering Information

PS2200X

| PS2200X | Code | Range | | | | | | | | | |
|---------|------|------------------|--|--|--|---|---|--|--|--|--|
| | | (04R) 0.0 | 0.05~1.8 psi (10R) 0.4~2.8 psi (20R) 0.4~5.0 psi (30R) 1.6~9.8 psi | | | | | | | | |
| | 1 | Code | Wetted P | Parts Material | | | | | | | |
| | | Α | SS316 | | | | | | | | |
| | | | Code | Process Connection- Male | | | | | | | |
| | | | | (1) ½"NPT (2) ¼"NPT (3) ½"BSP (4) ¼"BSP (5) ½"PT (6) ¼"PT (7) M20 x P1.5 | | | | | | | |
| | | | | Code | Code Conduit Connection | | | | | | |
| | | | | (E) 34"NPT Female, standard (F) 1/2"NPT Female (G) M20 x P1.5 Female | | | | | | | |
| | | | | Code Switch Form | | | | | | | |
| | | | | 1 Micro Switch, 1 SP | | itch, 1 SPDT | 2 | Micro Switch, 2 SPDT (one setting point) | | | |
| | | | | | 3a | Gold Contact, 1 SPDT | | 3b | Gold Contact, 2 SPDT (one setting point) | | |
| | | | | | 4a | Hermetically Switch, 1 SPDT | | 4b | Hermetically Switch, 2 SPDT (one setting point | | |
| | | | | | Code Explosion Proof Type / Housing Material | | | | | | |
| | | | | | | A Certificate on Housing Only (FM Approval) / Aluminum alloy: Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III; NEMA 4 | | | | | |
| | | | | | | B / B1 | Taiwan Explosion Proof Certification / (B) Aluminum alloy (B1) \$\$316: Ex d IIB + H2 T6 Gb | | | | |
| | | | | | | E | International IECEx Certification / Aluminum alloy: Ex db IIB + H2 T6 Gb; Ex tb IIIC T85°C Db | | | | |
| | | | | | | Х | Europe Union ATEX Certification / Aluminum alloy: II 2 G D Ex db IIB + H2 T6 Gb; II 2 G D Ex tb IIIC T85°C Db | | | | |
| | | | | | | J | Japan Explosion Proof Certification / Aluminum alloy: Ex d IIB + H2 T6 Gb; Ex t IIIC T85°C Db | | | | |
| | | | | | | R | Russia EACEx Certification / Aluminum alloy: 1Ex d IIB + H2 T6 Gb X; Ex tb IIIC T85°C Db UL Certification / Aluminum alloy: Class I, Groups A, B, C & D; Class II, Groups E, F & G | | | | |
| | | | | | | U | | | | | |
| | | | | | | U ♦ | | | | | |

Complete Ordering Code