SIGHTFL W

mail@sightflow.com.au Tel: 1800 539220

DIFFERENTIAL PRESSURE SWITCH-EXPLOSION TYPE

DPS2100M

Explosion Proof Type Protection: IP68

Proof Pressure to 1000psi Adjustable Ranges: 3~500psi Temperature: -30 to 205°C

The New-Flow DPS2100X, an explosion proof differential pressure switch, is designed to be used in control systems. DPS2100X 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, 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 $\frac{3}{4}$ ", $\frac{1}{2}$ "NPT, M20 x P1.5 available

Pressure Element: welded type diaphragm **Process Materials:** wetted parts are all in SS316

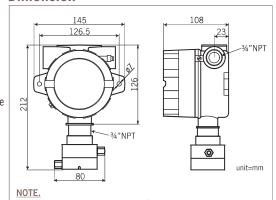
Process Connection: Female ½" or ¼" NPT, BSP, PT; and M20 x P1.5 thread available

Range Selection Table

| Code | Adjustable Range | Dead Band | Maximum Pressure Proof | | |
|------|------------------|--------------|------------------------|--|--|
| 10R | 3~28 psi | 0.15~1.4 psi | 1000 psi | | |
| 20R | 7~100 psi | 0.35~5 psi | 1000 psi | | |
| 30R | 35~200 psi | 1.75~10 psi | 1000 psi | | |
| 40R | 50~500 psi | 2.5~25 psi | 1000 psi | | |

Approvals: PRINT PRINT

Dimension



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

| DPS2100X | Code | Range | | | | | | | | | |
|--------------------|--------------|----------|-----------------------|----------|---|---|---|------------------|-------------------------------------|--|-----------------------------|
| | 10R 3~28 psi | | 20R 7~100 psi | | si | 30R | 35~200 psi | 4 | 10R | 50~500 psi | |
| | | Code | Wetted Parts Material | | | | | | | | |
| | | Α | SS316 | | Process Connection- Female 1) ½"NPT (2) ¼"NPT (3) ½"BSP (4) ¼"BSP (5) ½"PT (6) ¼"PT (7) M20 x P1.5 | | | | | | |
| | | | Code | Proces | | | | | | | |
| | | | | (1) ½' | | | | | | | |
| | | | | Code | Conduit Connection (E) ¾"NPT Female, standard (F) ½"NPT Female (G) M20 x P1.5 Female | | | | | | |
| | | | | | | | | | | | i) M20 x P1.5 Female |
| Code Switch Form | | | | | | | | | | | |
| | | | | 1 | Micro Sv | witch, 1 | SPDT | 2 | Micr | o Switch, 2 SPDT (one setting point) | |
| | | | | | 3a Gold Contact, 1 SPDT 3b Gold Contact, 2 SPDT | | | | Contact, 2 SPDT (one setting point) | | |
| | | | | | 4a | 4a Hermetically Switch, 1 SPDT 4b Hermetically Switch, 2 SPDT (one setting point) Code Explosion Proof Type / Housing Material | | | | netically Switch, 2 SPDT (one setting point) | |
| | | | | | | | | | | aterial | |
| | | | | | | Α | Certificate on Housing Only (FM Approval) / Aluminum alloy: Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III; NEMA 4X | | | | |
| | | | | | | B / B1 | Taiwan Explosion Proof Certification / (B) Aluminum alloy (B1) SS316: Ex d IIB + H2 T6 Gb International IECEX Certification / Aluminum alloy: Ex db IIB + H2 T6 Gb; Ex tb IIIC T85°C Db 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 Japan Explosion Proof Certification / Aluminum alloy: Ex d IIB + H2 T6 Gb; Ex t IIIC T85°C Db | | | | |
| | | | | | | Е | | | | | |
| | | | | | | Х | | | | | |
| | | | | | | J | | | | | |
| | | | | | | R | Russia EACEx Certification / Aluminum alloy: 1Ex d IIB + H2 T6 Gb X; Ex tb IIIC T85°C Db | | | | |
| | | | | | | U | UL Certification / Aluminum alloy: Class I, Groups A, B, C & D; Class II, Groups E, F & G | | | | |
| + | + | \ | + | \ | | + | 0.000 | .,, ., | , | 3.000 | or, according to the second |
| DPS2100X | | | | | T | | Comp | lete Ordering Co | ode | | |



mail@sightflow.com.au Tel: 1800 539220