

DPS2100X

DIFFERENTIAL PRESSURE SWITCH-EXPLOSION PROOF

DPS2100X

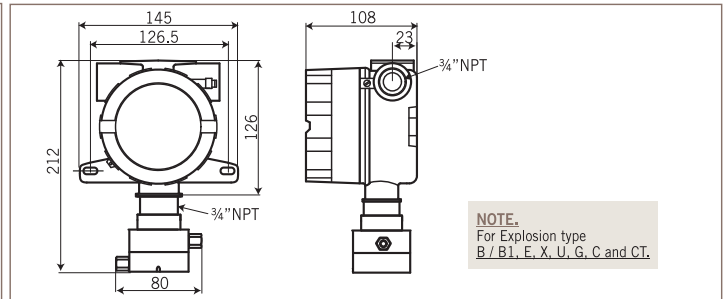
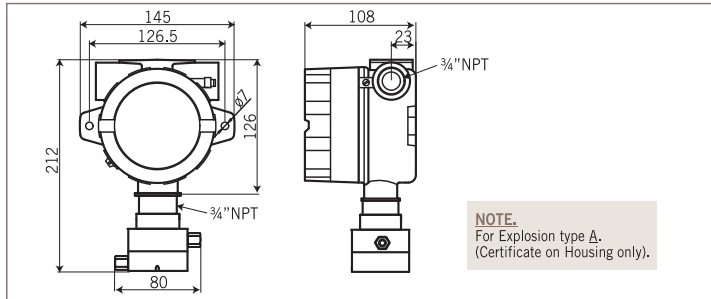
Explosion Proof Type / Protection: IP68
Proof Pressure to 1000psi
Adjustable Ranges: 3~300psi
Temperature: -30 to 205°C

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 3/4", 1/2"NPT, M20 x P1.5 available
Pressure Element: welded type diaphragm
Process Materials: wetted parts are all in SS316/SS316L
Process Conn.: Female 1/2" or 1/4"NPT, BSP, PT; and M20 x P1.5 thread available

Dimensions-mm



Approvals:



TD0400TJ
 工電(2012)第00320號
 (ITR1)2017第07-00075號



Patent No.

M450724
 China: 2976852

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	50~300 psi	2.5~25 psi	1000 psi

Ordering Information

DPS2100X	Code	Range	Code	Wetted Parts Material	Code	Process Connection- Female	Code	Conduit Connection	Code	Switch Form	Code	Explosion Proof Type / Housing Material
	10R	3~28 psi	20R	7~100 psi	30R	35~200 psi	40R	50~300 psi				
				A		(1) 1/2"NPT (2) 1/4"NPT (3) 1/2"BSP (4) 1/4"BSP (5) 1/2"PT (6) 1/4"PT (7) M20 x P1.5		(E) 3/4"NPT Female, standard (F) 1/2"NPT Female (G) M20 x P1.5 Female		1 Micro Switch, 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)		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 4X
												B / B1 Taiwan Explosion Proof Certification / (B) Aluminum alloy (B1) SS316: Ex d IIB + H2 T6 Gb
												E International IECEx Certification / Aluminum alloy: Ex db IIB + H2 T6 Gb; Ex tb IIIC T85°C Db
												X Europe Union ATEX Certification / Aluminum alloy: II 2 G D; Ex db IIB + H2 T6 Gb; Ex tb IIIC T85°C Db
												U UL Certification / Aluminum alloy: Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G
												G China Explosion Proof Certification / Aluminum alloy: Ex d IIB + H2 T6 Gb; Ex tD A21 IP6X T85°C
												C International IECEx Certification & Europe Union ATEX Certification / Aluminum alloy: IECEx & ATEX (Ex II 2 G D) Certificate; Ex db IIC T6...T5 Gb; T6 (-20°C ≤ Ta ≤ +55°C); T5 (-20°C ≤ Ta ≤ +60°C); Ex tb IIIC T80°C...T88°C Db; T80°C (-20°C ≤ Ta ≤ +55°C); T88°C (-20°C ≤ Ta ≤ +60°C)
												CT Taiwan Explosion Proof Certification / Aluminum alloy: Ex db IIC T6...T5 Gb; T6 (-20°C ≤ Ta ≤ +55°C); T5 (-20°C ≤ Ta ≤ +60°C); Ex tb IIIC T80°C...T88°C Db; T80°C (-20°C ≤ Ta ≤ +55°C); T88°C (-20°C ≤ Ta ≤ +60°C)
DPS2100X												

Complete Ordering Code

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P019

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