

DIFFERENTIAL PRESSURE SWITCH EXPLOSION PROOF TYPE

DPS2200X

Explosion Proof Type
Protection: IP68
Proof Pressure to 750psi
Adjustable Ranges: 400~10000 mmH₂O
Temperature: -30 to 205°C

The New-Flow DPS2200X, an explosion proof differential pressure switch, is designed to be used in control systems. DPS2200X 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+Titanium
Process Connection: with adaptor 1/2" or 1/4" NPT, BSP, PT Female; and M20 x P1.5 thread available

Range Selection Table

Code	Adjustable Range	Dead Band	Maximum Pressure Proof
10R	400~1900 mmH ₂ O	30~80 mmH ₂ O	750 psi
20R	1000~10000 mmH ₂ O	70~200 mmH ₂ O	750 psi

Ordering Information

DPS2200X	Code	Range		
	10R	400~1900 mmH ₂ O	20R	1000~10000 mmH ₂ O
	Code	Wetted Parts Material		
	A	SS316+Titanium		
	Code	Process Connection (with adaptor)- Female		
		(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		
	Code	Conduit Connection		
		(E) 3/4"NPT Female, standard (F) 1/2"NPT Female (G) M20 x P1.5 Female		
	Code	Switch Form		
	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)
	Code	Explosion Proof Type / Housing Material		
	A	<i>Certificate on Housing Only (FM Approval) / Aluminum alloy:</i> Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III; NEMA 4X		
	B / B1	<i>Taiwan Explosion Proof Certification / (B) Aluminum alloy (B1) SS316:</i> Ex d IIB + H2 T6 Gb		
	E	<i>International IECEx Certification / Aluminum alloy:</i> Ex db IIB + H2 T6 Gb; Ex tb IIIC T85°C Db		
	X	<i>Europe Union ATEX Certification / Aluminum alloy:</i> II 2 G D Ex db IIB + H2 T6 Gb; II 2 G D Ex tb IIIC T85°C Db		
	U	<i>UL Certification / Aluminum alloy:</i> Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G		
	G	<i>China Explosion Proof Certification / Aluminum alloy:</i> Ex d IIB + H2 T6 Gb; Ex tD A21 IP6X T85°C		

DPS2200X

Complete Ordering Code



Approvals:



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



Switches with UL & CSA
 Recognized and File No.
 E12252.

Patent No.

M450724
 China: 2976852

Dimension

