

PRESSURE SWITCH EXPLOSION PROOF TYPE PSA2100X

Explosion Proof Type
Protection: IP68
Proof Pressure to 1000psi
Adjustable Ranges: 2~100psi
Temperature: -30 to 205°C
Dead Band: Adjustable

The New-Flow PSA2100X, an explosion proof pressure switch, is designed to be used in control systems. PSA2100X has high set point repeatability and adjustable dead band features. There are a variety of range selections available upon request. Easily adjusted to the set point, no special tools needed!

Technical Data

Switch Data: 20Amp @125, 250 or 480VAC; 5Amp, DC125V
Housing: die cast aluminum alloy with paint, and SS316 available
Conduit Connection: Female 3/4", 1/2" NPT, and M20 x P1.5 available
Pressure Element: welded type diaphragm
Process Material: wetted parts are all in SS316
Process Connection: Female 1/2" or 1/4" NPT, BSP, PT; and M20xP1.5 thread available

Range Selection Table

Code	Pressure Range	Adjustable Dead Band at "E" Position	Maximum Pressure Proof
04R	2~12 psi	1.2~3	1000 psi
10R	2~16 psi	1.6~4	1000 psi
20R	2~20 psi	2~5	1000 psi
30R	3~28 psi	2.8~7	1000 psi
40R	7~100 psi	9.9~28.4	1000 psi

Ordering Information

PSA2100X	Code	Range										
			04R	2~12 psi	10R	2~16 psi	20R	2~20 psi	30R	3~28 psi	40R	7~100 psi
			Code	Wetted Parts Material								
			A	SS316								
			Code	Process Connection- 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 (F) 1/2"NPT Female, standard (G) M20 x P1.5 Female								
			Code	Switch Form								
			1	One SPDT								
			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 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; II 2 G D 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								
PSA2100X												
Complete Ordering Code												

Approvals:



Dimensions

