

PS2000X

PRESSURE SWITCH EXPLOSION PROOF TYPE PS2000X

Explosion Proof Type; Protection: IP68
Proof Pressure to 5000psi ; Adjustable Ranges: 10~4000psi
Temperature: -30 to 205°C

The New-Flow PS2000X, an explosion proof pressure switch, is designed to be used in control systems. PS2000X 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 3/4", 1/2" NPT, M20 x P1.5 available

Pressure Element: welded type diaphragm

Process Material: wetted parts all in SS316

Process Connection: Female 1/2" or 1/4" NPT, BSP, PT and M20xP1.5 thread available

Repeatability: ±1% of full scale

Range Selection Table

Code	Adjustable Range	Dead Band (unit:psi)			Maximum Pressure Proof
		Micro Switch	Hermetically Switch	Gold Contact	
10R	10~100 psi	0.9~2.1	5.4~12	4.7~9.2	3000 psi
20R	35~200 psi	1.4~5.4	5.4~18.5	4.7~11.4	3000 psi
30R	50~300 psi	1.4~6.9	5.4~45.5	5.3~37	3000 psi
60R	100~600 psi	1.7~15.1	5.7~66.7	5.3~78	3000 psi
130R	100~1300 psi	5.5~15	5.7~126.4	5.3~106.5	3000 psi
240R	300~2400 psi	19.6~39.5	19.9~227.2	16.9~165	4000 psi
400R	400~4000 psi	32.5~65.6	19.9~326.6	16.9~213	5000 psi

Ordering Information

PS2000X	Code	Range
		(10R) 10~100 psi (20R) 35~200 psi (30R) 50~300 psi (60R) 100~600 psi (130R) 100~1300 psi (240R) 300~2400 psi (400R) 400~4000 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, 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	Certificate on Housing Only / Aluminum alloy: Class I, Groups B, C & D; Class II, Groups E, F & G; NEMA 4, 7, 9
	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
	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
PS2000X		



Approvals:



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

JAPAN EX-Certificate
CML 17JPN1016X
CML 17JPN3024

Patent No.

M295332
M334932
China: 920135

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

Dimensions-mm

