

# PRESSURE SWITCH EXPLOSION PROOF TYPE PS2200X

**Explosion Proof Type**  
**Protection: IP68**  
**Proof Pressure to 500psi**  
**Adjustable Ranges: 0.05~9.8psi**  
**Temperature: -30 to 205°C**

The New-Flow PS2200X, an explosion proof pressure switch, is designed to be used in control systems. PS2200X 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 are all in SS316  
**Process Connection:** Male 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	Maximum Pressure Proof
04R	0.05~1.8 psi	0.015~0.3	500 psi
10R	0.4~2.8 psi	0.2~0.5	500 psi
20R	0.4~5.0 psi	0.3~0.6	500 psi
30R	1.6~9.8 psi	0.3~0.8	500 psi

## Ordering Information

PS2200X	Code	Range
		(04R) 0.05~1.8 psi (10R) 0.4~2.8 psi (20R) 0.4~5.0 psi (30R) 1.6~9.8 psi
		<b>Code</b> <b>Wetted Parts Material</b>
	A	SS316
		<b>Code</b> <b>Process Connection- Male</b>
		(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
		<b>Code</b> <b>Conduit Connection</b>
		(E) 3/4"NPT Female, standard (F) 1/2"NPT Female (G) M20 x P1.5 Female
		<b>Code</b> <b>Switch Form</b>
	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)
		<b>Code</b> <b>Explosion Proof Type / Housing Material</b>
	A	<b>Certificate on Housing Only (FM Approval) / Aluminum alloy:</b> Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III; NEMA 4X
	B / B1	<b>Taiwan Explosion Proof Certification / (B) Aluminum alloy (B1) SS316:</b> Ex d IIB + H2 T6 Gb
	E	<b>International IECEx Certification / Aluminum alloy:</b> Ex db IIB + H2 T6 Gb; Ex tb IIIC T85°C Db
	X	<b>Europe Union ATEX Certification / Aluminum alloy:</b> II 2 G D Ex db IIB + H2 T6 Gb; II 2 G D Ex tb IIIC T85°C Db
	U	<b>UL Certification / Aluminum alloy:</b> Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G
	G	<b>China Explosion Proof Certification / Aluminum alloy:</b> Ex d IIB + H2 T6 Gb; Ex tD A21 IP6X T85°C

### Approvals:

ABS TYPE APPROVED PRODUCT  
EAC  
TD0400TJ  
工電(2012)第00320號  
(ITRI)2017第07-00075號  
IEC IECEx Ex H2GD CE 2503  
UL LISTED US  
NPEPS Ex GYB19.1794X  
Switches with UL & CSA Recognized and File No. E12252.



### Patent No.

M295332  
M334932  
China: 920135

## Dimension

