

# 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
	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
	U	UL Certification / Aluminum alloy: Class I, Groups A, B, C & D; Class II, Groups E, F & G

## Approvals:

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

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

JAPAN EX-Certificate  
CML 17JPN1016X  
CML 17JPN3024



## Patent No.

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M334932  
China: 920135

## Dimensions

