# FFERENTIAL PRESSURE TCH-EXPLOSION TYPE

**Explosion Proof Type** Protection: IP68

Proof Pressure to 1000psi Adjustable Ranges: 3~500psi Temperature: -30 to 205°C

The New-Flow DPS2100X, an explosion proof differential pressure switch, is designed to be used in control systems. DPS2100X 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  $\frac{3}{4}$ ",  $\frac{1}{2}$ "NPT, M20 x P1.5 available

Pressure Element: welded type diaphragm Process Materials: wetted parts are all in SS316

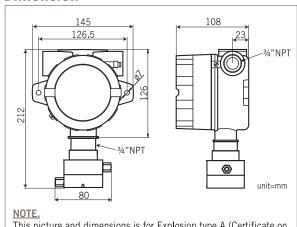
Process Connection: Female 1/2" or 1/4" NPT, BSP, PT; and M20 x P1.5 thread available

### Range Selection Table

Code	Adjustable Range	Dead Band	Maximum Pressure Proof
10R	3~28 psi	0.15~1.4 psi	1000 psi
20R	7~100 psi	0.35~5 psi	1000 psi
30R	35~200 psi	1.75~10 psi	1000 psi
40R	50~500 psi	2.5~25 psi	1000 psi

# Approvals: EHC TYPE APPROVED PRODUCT TD0400TJ 工電(2012)第00320號 (ITRI)2017第07-00075號 ⟨£x⟩<sub>II2GD</sub>(€<sub>2503</sub> LISTED GYB19.1794X Patent No. Switches with UL & CSA Recognized and File No. E12252. M450724 China: 2976852

#### Dimension



This picture and dimensions is for Explosion type A (Certificate on Housing only). Type B/B1, E, X, J, R and U are on request.

## Ordering Information

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DPS2	100X	Code	Range										
		10R	3~28 ps	si	20R	7~100 p	si	30R	35~200 psi		40R	50~500 psi	
	_		Code	Wetted	Wetted Parts Material								
A SS316													
	Code Process Connection- Female												
	(1) ½"NPT (2) ¼"NPT (3) ½"BSP (4) ¼"BSP (5) ½"PT (6) ¼"PT (7) M20 x P1.5							<b>(6)</b> ¼"PT <b>(7)</b> M20 x P1.5					
					Code	Code Conduit Connection							
						(E) ¾"NPT Female, standard (F) ½"NPT Female (G) M20 x P1.5 Female							
					Code	Code   Switch Form							
						1	Micro Switch, 1 SPDT			2	Mici	ro Switch, 2 SPDT (one setting point)	
						3a	Gold Co	ontact, 1	SPDT	3b	Gold	d Contact, 2 SPDT (one setting point)	
						4a	Hermetically Switch, 1 SPDT 4b Hermetically Switch, 2					metically Switch, 2 SPDT (one setting point)	
							Code	Explos	Explosion Proof Type / Housing Material				
						А		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) \$5316					
							Е	International IECEx Certification / Aluminum alloy: Ex db IIB + H2 T6 Gb; Ex tb IIIC T85°C Db					
							Х	Furone Union ATEY Certification / Aluminum allow					
							U	UL Ce	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				
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DPS2100X								Comp	Complete Ordering Code				