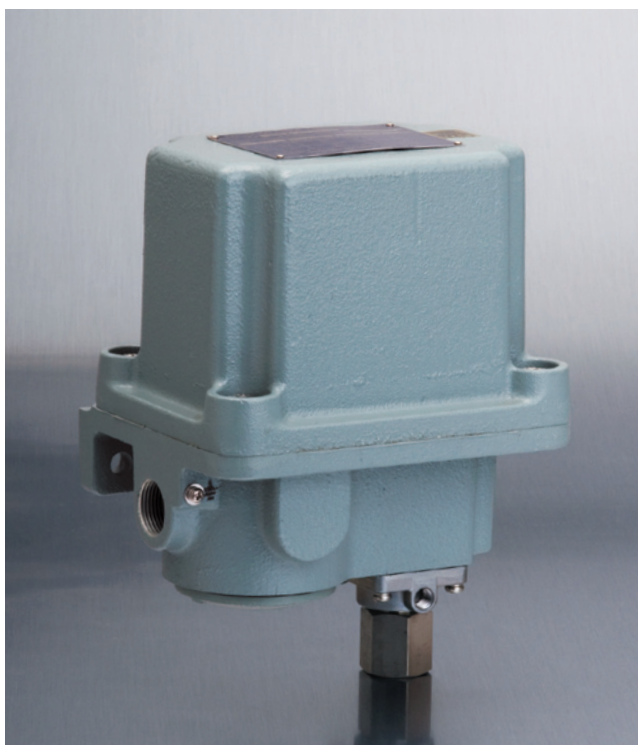


# Explosion-proof Pressure Switches (Piston Actuator)

TEX1-SZ□□□P / TEXW-SZ□□□PW



## Features

- An explosion-proof type pressure switches that enclose the Super Z.
- A piston made of SUS420F is adopted, which is suitable for oil pressure.
- Viton is adopted as a standard sealing material. That makes the piston actuated pressure switches can be used for not only oil but also for other medium that has lubricity to a certain degree (soluble oil). In addition, Ethylene Propylene Seal can be also selectable.
- The piston actuated pressure switches are applicable to pressures range from 0.1 to 63.5 MPa ranges.
- The micro switch is selectable from a SPDT standard type, a micro-load type (for 24V DC), and a sealed type (environment resistance). In addition, a DPDT contact micro switch is also available. \* Refer to page 56 for details.
- d2G4 (explosion-proof class) approved.

Type of Micro Switches	Models	Range		Differential (Dead Band)		Rated Pressure		Proof Pressure	
		MIN. : Minimum setting point of falling pressure. MAX. : Maximum setting point of rising pressure. MPa (kgf/cm <sup>2</sup> )		Add to the Range Value MPa (kgf/cm <sup>2</sup> )		Maximum Pressure in Continuous Use MPa (kgf/cm <sup>2</sup> )		MPa (kgf/cm <sup>2</sup> )	
		MIN. - MAX.		MIN. - MAX.					
SPDT	TEX1-SZ032P	0.1-3.2	(1-32)	0.27-0.6	(2.7-6)	3.2	(32)	10	(100)
	TEX1-SZ070P	0.2-7	(2-70)	0.4-1.3	(4-13)	7	(70)	35	(350)
	TEX1-SZ210P	0.5-20.5	(5-205)	1.1-3.8	(11-38)	20.5	(205)	70	(700)
	TEX1-SZ400P	1-40	(10-400)	2.3-7.5	(23-75)	40	(400)	70	(700)
	TEX1-SZ635P	2-63.5	(20-635)	3.8-12	(38-120)	63.5	(635)	120	(1200)
DPDT	TEXW-SZ032PW	0.1-3.2	(1-32)	0.33-0.6	(3.3-6)	3.2	(32)	10	(100)
	TEXW-SZ070PW	0.2-7	(2-70)	0.5-1.3	(5-13)	7	(70)	35	(350)
	TEXW-SZ210PW	0.5-20.5	(5-205)	1.3-3.8	(13-38)	20.5	(205)	70	(700)
	TEXW-SZ400PW	1-40	(10-400)	2.7-7.5	(27-75)	40	(400)	70	(700)
	TEXW-SZ635PW	2-63.5	(20-635)	4.5-12	(45-120)	63.5	(635)	120	(1200)

- Fixed differential (dead band) types are available for each model equipped with SPDT or DPDT micro switch.
- The differential (dead band) of the fixed differential (dead band) type is less than or equal to the minimum value of the adjustable differential (dead band) models.
- The minimum differential (dead band) indicates a value at approximately in-between of the range. Because of the sealed piston, the differential (dead band) tends to be rather smaller at lower pressure and rather wider at higher pressure than the represented value (\* refer to the list on the next page).
- A PT 1/8 drain port is equipped on the side of the body so that the pressure switch is used with piping for drains beforehand, in an environment that will not allow even a small amount of seepage. The drain port must be opened to the atmospheric pressure.
- The set point must be within the range.

TEX1-SZ032P  
 TEX1-SZ070P  
 TEX1-SZ210P  
 TEX1-SZ400P  
 TEX1-SZ635P

Mass : approx. 9.00kg

