

Explosion-proof Pressure Switches (piston actuator)

TEX□-Z□□□P



Features

- The explosion-proof pressure switches have adopted a brass (nickel plated) or SUS420F piston as the pressure sensing element.
- An O-ring and Teflon cup seal have been adopted as a seal of the piston, and this configuration realizes long-time duration of the pressure switches.
- The pressure switches are applicable to pressure ranging from 0.1 to 63.5MPa.
- The micro switch is selectable from a SPDT standard rating type, a micro-load type (for 24VDC), and a sealed type (environment resistance).
- ExdIICT6 (explosion-proof class) approved.

Models	Range		Differential (Dead Band)			Proof Pressure MPa (kgf/cm ²)
	MIN.	MAX.	Lower Range	Middle Range	Higher Range	
TEX1-Z032P	0.1-3.2	(1-32)	0.2-0.6 (2-6)	0.2-0.6 (2-6)	0.25-0.7 (2.5-7)	10 (100)
TEX1-Z070P	0.2-7	(2-70)	0.25-1.3 (2.5-13)	0.28-1.4 (2.8-14)	0.3-1.5 (3-15)	35 (350)
TEX1-Z210P	0.5-20.5	(5-205)	0.6-3.8 (6-38)	0.7-4 (7-40)	1.2-4.2 (12-42)	70 (700)
TEX1-Z400P	1-40	(10-400)	1.4-7.8 (14-78)	1.5-8 (15-80)	1.8-8.5 (18-85)	70 (700)
TEX1-Z635P	2-63.5	(20-635)	2-11 (20-110)	2.5-12 (25-120)	3-12 (30-120)	120 (1,200)

- Beside the adjustable differential (dead band) type, the fixed differential type (symbol "F") is available.
- The differential (dead band) becomes larger to a certain extent in accordance with increase of the pressure. The above chart shows the differential adjustable range related to the pressure ranges divided into three stages.
- The minimum (MIN.) differential (dead band) indicates values at the middle of the pressure range. The differential (dead band) becomes smaller than the indicated values within the lower range, and larger range within the higher range.
- The differential (dead band) of the fixed differential type is less than or equal to the minimum value of the adjustable differential (dead band) type.
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- A PT1/8 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 see page. The drain port must be opened to the atmospheric pressure.
- Select a type of your pressure switch so that it can be used within the middle of the range as much as possible.

TEX1-Z032P
 TEX1-Z070P
 TEX1-Z210P
 TEX1-Z400P
 TEX1-Z635P

Mass : approx. 1.9kg

