

# Differential Pressure Switches (Diaphragm Actuator)

SZ□□□DD / SZ□□□DDEX



## Features

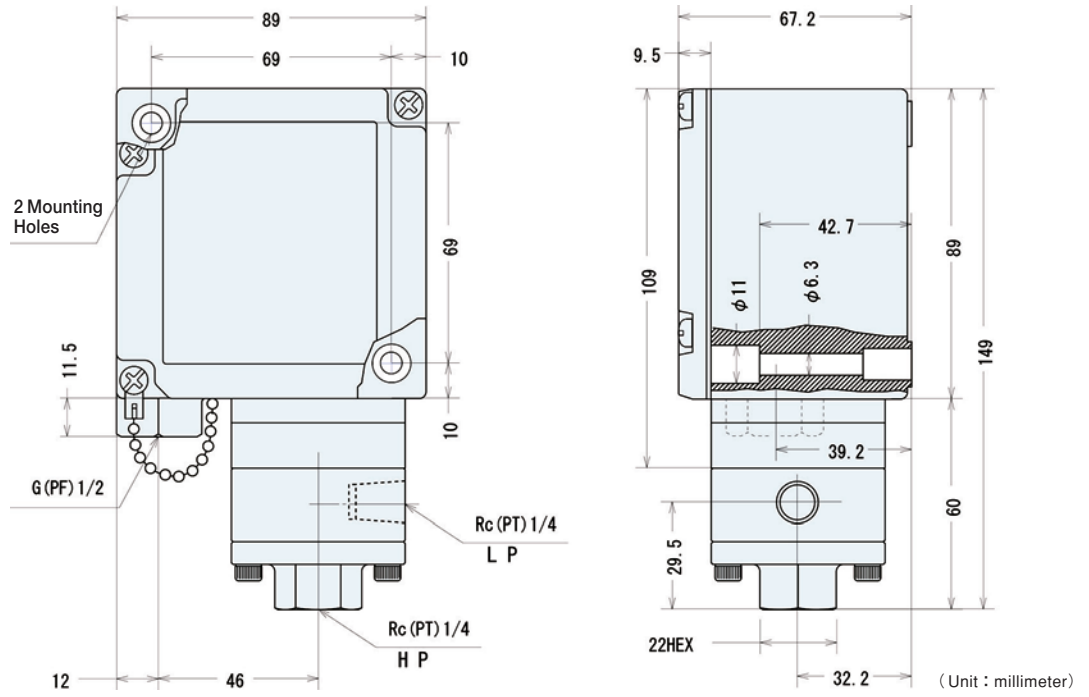
- The differential pressure switches adapt to high pressure and extremely small dead band at the same time.
- The switches adapt up to the maximum range of 21 MPa. The adjustable differential range is 0.002 to 3.5 MPa.
- A polyimide diaphragm is adopted as a pressure sensing element.
- To realize the high proof pressure and the small dead band at the same time, the stroke and the clearance have been made smaller. (It is recommended to use an approx. 20 μm filter for the both higher pressure side and lower pressure side.)
- The diaphragm actuated pressure switches can be used for various pressure medium such as air, water, oil, gases and steam.
- CCC approved

Type of Micro Switches	Models	Range MPa (kgf/cm <sup>2</sup> )  MIN. - MAX.	Sensitivity (Dead Band) The switch is activated on increasing pressure difference. MPa (kgf/cm <sup>2</sup> )	Range of Adjustable Difference The switch is reset on decreasing pressure difference. MPa (kgf/cm <sup>2</sup> )  MIN. - MAX.	Rated Pressure Maximum Pressure in Continuous use MPa (kgf/cm <sup>2</sup> )	Proof Pressure MPa (kgf/cm <sup>2</sup> )
SPDT (C contact only)	SZ2.5DD	0.002-2 (0.02-20)	0.005 (0.05)	0.002-0.25 (0.02-2.5)	2 (20)	3.5 (35)
	SZ005DD	0.005-2 (0.05-20)	0.01 (0.1)	0.005-0.5 (0.05-5)	2 (20)	3.5 (35)
	SZ012DD	0.005-2 (0.05-20)	0.05 (0.5)	0.005-1.2 (0.05-12)	2 (20)	3.5 (35)
	SZ020DD	0.005-2 (0.05-20)	0.07 (0.7)	0.005-2 (0.05-20)	2 (20)	3.5 (35)
	SZ2.5DDEX	0.002-21 (0.02-210)	0.005 (0.05)	0.002-0.25 (0.02-2.5)	21 (210)	35 (350)
	SZ005DDEX	0.005-21 (0.05-210)	0.01 (0.1)	0.005-0.5 (0.05-5)	21 (210)	35 (350)
	SZ012DDEX	0.005-21 (0.05-210)	0.05 (0.5)	0.005-1.2 (0.05-12)	21 (210)	35 (350)
	SZ035DDEX	0.005-21 (0.05-210)	0.07 (0.7)	0.005-3.5 (0.05-35)	21 (210)	35 (350)

- The sensitivity (dead band) is not adjustable.
- The sensitivity (dead band) indicates value at the middle of the range of adjustable difference. The sensitivity (dead band) becomes smaller than the indicated value within the lower range of adjustable difference, and larger within the higher range of adjustable difference.
- The set point must be within the range of adjustable difference.
- Only SPDT (C contact) is available.

SZ2.5DD  
SZ005DD  
SZ012DD  
SZ020DD

Mass : approx. 1.10kg



SZ2.5DDEX  
SZ005DDEX  
SZ012DDEX  
SZ035DDEX

Mass : approx. 1.45kg

