

Differential Pressure Switches (Diaphragm Actuator)

Z1/30DD



Features

- The differential pressure switch enables you to set its operating point at extremely small differential pressure under high normal operation pressure.
- The differential pressure switch can be used up to its proof pressure of 69kPa. The adjustable differential pressure range is 0 to 3kPa.
- A nitrile rubber 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 μ m 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 the Micro Switches	Models	Range kPa (kgf/cm ²) MIN. - MAX.	Sensitivity (Dead Band) The switch is activated on increasing pressure difference. kPa (kgf/cm ²)	Range of Adjustable Difference The switch is reset on decreasing pressure difference. kPa (kgf/cm ²) MIN. - MAX.	Proof Pressure kPa (kgf/cm ²)
SPDT	Z1/30DD	0-46 (0-0.46)	0.07 (0.0007)	0-3 (0-0.03)	69 (0.69)

- The sensitivity (dead band) is not adjustable.
- The sensitivity (dead band) indicates value at the middle 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.
- Use flexible tubing so that any external force or stress is not applied to the diaphragm flange.
- Only "C" contact micro switch is available.

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Mass : approx. 2.7kg

