

# Pressure Switches (Diaphragm Actuator)

TCZ□□□/TCZ□□□F



### Features

- The pressure switches have adopted a nitrile rubber diaphragm as the pressure sensing element.
- The pressure switches can be used for various pressure medium such as air, water, oil, gases and steam.
- The pressure switches are applicable to pressure ranging from 0.005 to 1.8MPa.
- The micro switch is selectable from a SPDT standard rating type, a micro-load type (for 24V DC), and a sealed type (environment resistance).
- A fixed differential type (symbol “F”) is also available.
- CCC and CE approved.  
(Please note that CE approved switches is not available for the sealed type. CCC certified products is not available for the with pilot lamps.)

	Models	Range MIN. : Minimum setting point of falling pressure. MAX. : Maximum setting point of rising pressure. MPa (kgf/cm <sup>2</sup> ) MIN. - MAX.	Differential (Dead Band) Add to the Range Value MPa (kgf/cm <sup>2</sup> )			Proof Pressure MPa (kgf/cm <sup>2</sup> )
			Lower Range MIN. - MAX.	Middle Range MIN. - MAX.	Higher range MIN. - MAX.	
Adjustable Differential (Dead Band) Type	TCZ-5	0.005-0.52 (0.05-5.2)	0.02-0.1 (0.2-1)	0.02-0.11 (0.2-1.1)	0.03-0.12 (0.3-1.2)	1.8 (18)
	TCZ-1	0.005-1 (0.05-10)	0.03-0.2 (0.3-2)	0.04-0.21 (0.4-2.1)	0.05-0.22 (0.5-2.2)	3 (30)
	TCZ-2	0.02 - 1.8 (0.2-18)	0.08-0.39 (0.8-3.9)	0.08-0.4 (0.8-4)	0.12-0.42 (1.2-4.2)	4 (40)
Fixed Differential (Dead Band) Type	TCZ-5F	0.005-0.52 (0.05-5.2)	0.02 (0.2)	0.03 (0.3)	0.03 (0.3)	1.8 (18)
	TCZ-1F	0.005-1 (0.05-10)	0.03 (0.3)	0.04 (0.4)	0.05 (0.5)	3 (30)
	TCZ-2F	0.02 - 1.8 (0.2-18)	0.08 (0.8)	0.1 (1.0)	0.12 (1.2)	4 (40)

- 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.
- Select a type of your pressure switch so that it can be used within the middle of the range as much as possible.
- The differential (dead band) of Min. of adjustable differential type and fixed differential type indicates value at the middle of the pressure range. The differential (dead band) becomes smaller than the indicated value within the lower range, and larger within the higher range.

TCZ-5 (F)  
 TCZ-1 (F)  
 TCZ-2 (F)

Mass : approx. 0.7kg

