

Main Specifications

▼ **Pressure connection**

Material: SS304
Thread spec.: G1/2"

▼ **Adjustable set point range**

-1...0 to 6.3MPa
For detail please refer to adjustable set point range

▼ **Dead band**

Fixed dead band
For detail please refer to adjustable set point range

▼ **Applicable fluid**

Corrosive liquid and gas that compatible with SS304

▼ **Ambient temperature**

-5°C to +40°C

▼ **Media temperature**

0°C to +120°C

▼ **Media viscosity**

$< 1 \times 10^{-3} \text{m}^2/\text{s}$

▼ **Vibration-proof performance**

20m/s²

▼ **Protection level**

IP65

Other Specifications

▼ **Installation type**

Bottom mount
(max. tilt angle: 15°)

▼ **Case**

Die casting aluminum

▼ **Measuring elements**

Bellow
Sensor body adopts SS316L,
Sensor case adopts SS304

▼ **Switch type**

DPDT micro switch

▼ **Switching frequency**

20 times/min

▼ **Max operating pressure**

1 / 2 / 5 / 8.5MPa
(Vary from adjustable set point range)

▼ **Repeatability**

≤1%

▼ **Contact rating**

AC220V, 6A (resistive load)

▼ **Service life**

2,000,000 cycles

▼ **Other requests (Option)**

Third party notarized document
Inspection report (issued by Re-Atlantis)
Tag

Mechanical Pressure Switch (Dual Controls Type)

Model: AT511-7DS

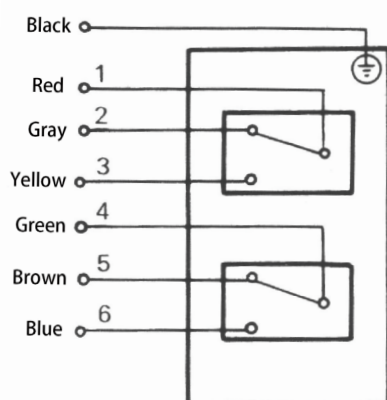
Introduction

AT511-7DS pressure switch adopts DPDT type micro switch to achieve dual controls function. With SS316L bellow as measuring elements, AT511-7DS is suitable for corrosive gas and liquid measurement.

Adjustable pressure range: -0.1...0 to 6.3MPa.



DPDT micro switch working principle



Terminal 1-3 & 4-6:
Close circuit when pressure is increased to setting pressure value

Terminal 1-2 & 4-5:
Open circuit when pressure is increased to setting pressure value

Note:
1 / 2 / 3 wire for low pressure alarm
4 / 5 / 6 wire for high pressure alarm



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

- Adopts DPDT micro switch to achieve dual controls function
- Measuring elements adopt SS316L bellow, suitable for corrosive media measurement
- Adjustable set point range -0.1 to 6.3MPa
- Max media temperature: +120°C
- Protection level IP65

Adjustable Set Point Range (Fixed Dead Band) Table

Model	Adjustable set point range (MPa)	Dead band		Maximum operating pressure* (MPa)	Switching frequency per min	Sensor material		Dimension No.	Weight (kg)	Order No.
		Lower limit (MPa)	Upper limit (MPa)			Case	Body			
AT511-7DS	-0.1...0	0.009	0.011	1	20	SS304	SS316L	01	1.4	0810123
	-0.1...0.01	0.011	0.012							0810223
	-0.1...0.016	0.012	0.015							0810323
	-0.1...0.25	0.015	0.018							0810423
	0...0.1	0.011	0.012	1				01	1.4	0811123
	0...0.16	0.012	0.015							0811223
	0...0.25	0.014	0.015							0811323
	0.02...0.4	0.045	0.054	2				02	1.25	0811423
	0.03...0.6	0.045	0.054							0811523
	0.03...1	0.045	0.06							0811623
	0.05...1.6	0.11	0.12	5				02	1.3	0811723
	0.05...2.5	0.11	0.15							0811823
0.3...6.3	0.15	0.3	8.5	03	1.3	0811923				

Note:

- 1) Operating pressure peak value cannot over maximum operating pressure value even in short-time measurement.
- 2) If synchronous upper setting point for dual control is required, please notify before order.

How to order

AT511-7DS		Mechanical Pressure Switch (Dual Controls Type)			
Code		Set point range and dead band			
0811623		Please refer to adjustable set point range (fixed dead band) table and select corresponding order code			
Code		Pressure connection			
4G		G1/2"			
O		Others (please specify)			
Code		Switch type			
DD		DPDT micro switch			
O		Others (please specify)			
AT511-7DS	0811623	4G	DD	Order example: AT511-7DS-0811623-4G-DD	