

Main Specifications

- ▼Type
General: AT504-7D
Narrow dead band: AT504-7DK
- ▼Pressure connection
Material: stainless steel
Thread spec.: G1/4"
- ▼Adjustable set point range
0...0.3~40MPa
For detail please refer to adjustable set point range table
- ▼Dead band
Fixed/Adjustable/Narrow fixed dead band. For detail please refer to adjustable set point range table
- ▼Applicable fluid
Slightly corrosive liquid that compatible with stainless steel
- ▼Ambient temperature
-5°C to +50°C
- ▼Fluid temperature
0°C to +100°C
- ▼Vibration test
AT504-7D: 40m/s²
AT504-7DK: 20m/s²
- ▼Protection level
IP65

Other Specifications

- ▼Installation
Lower mount, max tilt: 15°
- ▼Housing
Die casting aluminum
- ▼Measuring elements
Diaphragm
Material: stainless steel
- ▼Switch type
SPDT micro switch
- ▼Switching frequency
30 times/min
- ▼Max operating pressure
16 / 30 / 80MPa
(Vary from set point range)
- ▼Repeatability
±1.5%
- ▼Contact rating
AC 220V, 6A (resistive load)
- ▼Service life
2,000,000 cycles

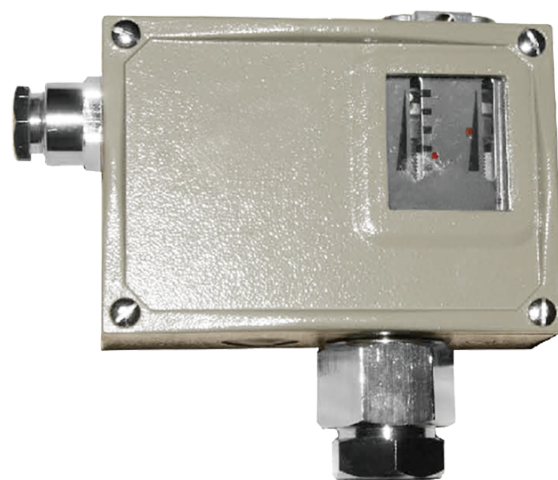
Mechanical Pressure Switch (Hydraulic Pressure Type)

Model: AT504-7 Series

Introduction

AT504-7 Series pressure switch adopt stainless steel diaphragm as pressure sensor, which can apply to non-corrosive media such as neutral gas and liquid pressure monitor and control.

Adjustable set point range 0...0.3~40MPa.

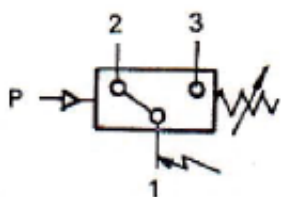


Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

- OEM service
- Specially design for hydraulic pressure system
- Pressure sensor adopts stainless steel diaphragm
- Adjustable pressure setting range

SPDT micro switch working principle

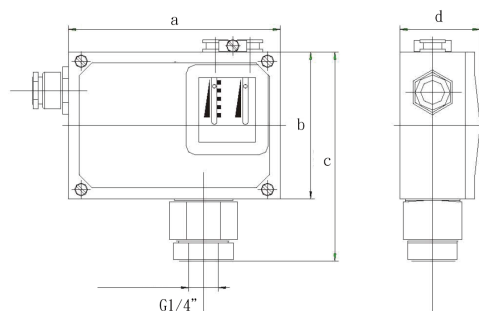


SPDT micro switch working principle

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

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

Dimension



a	b	c	c
116	80	115	44

Unit: mm

Adjustable set point range (Fixed Dead Band) Table

Model	Adjustable set point range (MPa)	Dead band		Maximum operating pressure* (MPa)	Switching frequency per minute	Pressure connection	Weight (kg)	Order No.
		Lower limit (MPa)	Upper limit (MPa)					
AT504-7D	0.3.....4	0.2	0.4	16	30	G1/4"	0.9	0817200
	0.3.....6.3	0.3	0.6					0817300
	0.5.....10	0.4	0.9	30				0817400
	0.5.....16	0.6	1.2					0817500
	1.....25	0.8	2	80				0817600
	1.....40	0.9	2.2					0817700

Adjustable set point range (Adjustable Dead Band) Table

Model	Adjustable set point range (MPa)	Dead band		Maximum operating pressure* (MPa)	Switching frequency per minute	Pressure connection	Weight (kg)	Order No.
		Lower limit (MPa)	Upper limit (MPa)					
AT504-7D	0.3.....4	0.4...2	0.6...2	16	30	G1/4"	0.95	0807200
	0.3.....6.3	0.4...5	0.8...5					0807300
	0.5.....10	0.7...8	1.2...8	30				0807400
	0.5.....16	1...12	1.6...12					0807500
	1.....25	1.7...20	2.6...20	80				0807600
	1.....40	2...30	3.5...30					0807700

Adjustable set point range (Fixed, Narrow Dead Band) Table

Model	Adjustable set point range (MPa)	Dead band		Maximum operating pressure* (MPa)	Switching frequency per minute	Pressure connection	Weight (kg)	Order No.
		Lower limit (MPa)	Upper limit (MPa)					
AT504-7DK	0.3.....4	0.1	0.3	16	30	G1/4"	0.9	0817207
	0.3.....6.3	0.15	0.5					0817307
	0.5.....10	0.3	0.7	30				0817407
	0.5.....16	0.4	1					0817507
	1.....25	0.6	1.5	80				0817607
	1.....40	0.7	1.8					0817707

*: Operating pressure peak value cannot over maximum operating pressure value even in short-time measurement.

How to order

AT504-7		Mechanical Pressure Switch (Hydraulic Pressure Type)						
	Code	Type						
	D	AT504-7D (General)						
	DK	AT504-7DK (Narrow dead band)						
	Code	Set point range and dead band						
	0817200	Please refer to adjustable set point range (fixed/adjustable/narrow fixed dead band) table and select corresponding order code						
	Code	Pressure connection						
	2G	G1/4"						
	O	Others (please specify)						
	Code	Switch type						
	P	Micro switch SPDT						
	O	Others (please specify)						
	Code	Other requests						
	/A	Third party notarized document						
	/B	Inspection report (issued by Re-Atlantis)						
	/C	Tag						
AT504-7	D	0817200	2G	P	Order example: AT504-7D-0817200-2G-P			