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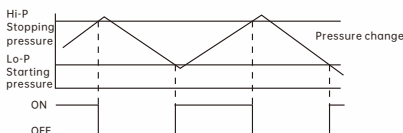


RTD-200

Intelligent Pressure Controller

Working principle

When the pressure in the medium is higher or lower than the rated safety pressure, the disc in the sensor moves instantaneously, and the switch connector is switched on or off by connecting the guide rod. When the pressure drops to or rises the rated recovery value, the disc is reset instantaneously, the switch is automatically reset, or simply when the measured pressure exceeds the rated value, the free end of the elastic element is displaced. Push the switch element directly or after comparison to change the on-off state of the switch element to achieve the purpose of controlling the measured pressure.



Hi-P: stop pressure of the fixed load Lo-P: Set the start pressure of the load

The RTD-200 will monitor the pressure in the container in real time, and start and stop the load (ON/OFF) according to the set value to control the pressure.

Product description

The RTD-200 series uses a high-reliability sensor for pressure measurement, and the signal is displayed after processing by the back-end circuit, and the relay output is automatically controlled according to pressure changes. The product series is designed with an all-engineering plastic housing, and the high-contrast LCD digital display enables the product series to be used in a variety of industrial applications. Multiple connections are available to meet specific installation needs. Built-in a variety of setting items, by the user to adjust the working parameters, flexible and convenient.

Product application

Industrial process control
Petrochemical industry
Water conservancy, hydropower industry, etc
Equipment, ship, mechanical hydraulic system

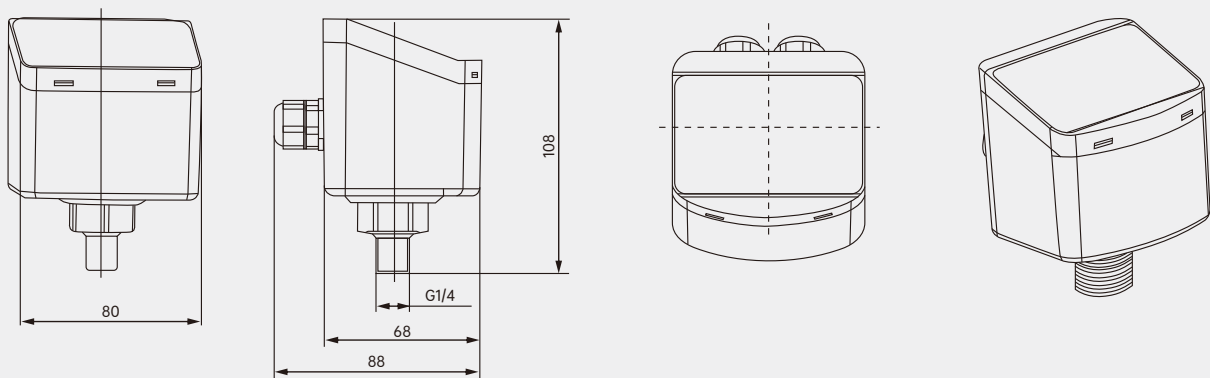
Functional characteristics

Full engineering plastic shell design
Automatic control of relay output according to pressure changes
Free installation to meet a variety of specific installation needs
Users can adjust their own working parameters, flexible and convenient
Anti-vibration, long life, simple operation, strong stability, clear display

Technical parameter

pressure range	Vacuum type (-101.3~10Kpa)
	Medium pressure type (0 ~ 1.0 MPa)
	High pressure type (0~2MPa)
pressure proof	Vacuum type (1.5 times)
	Medium pressure type (2 times)
	High pressure type (2 times)
Applicable fluid	Air, non-corrosive gas (vacuum type)
	Non-corrosive gas, non-corrosive liquid (medium pressure type and high pressure type)
rated operational voltage	220VAC
Consumption current	Less than 40mA (when there is no load)
loading capacity	220VAC 10A max
Waterproof grade	IP52
Installation interface	Brass G1/4 external thread
Display accuracy	±1%F.S
Storage temperature	-10-60°C
operating temperature	-10-50°C
Appearance size	80*98*110mm (including connector)

Size mm



RTD-200-Selection composition

Selection example **RTD-200**

B	D	H	U	N
1	2	3	4	5

1.Range range	A	-101~10kPa (vacuum type)
	B	0~1.0MPa (Medium pressure type)
	C	0~2.0MPa (High pressure type)
2.Precision class	D	±1.0%F.S
3.Output type	G	Single AC output (active live)
	H	Single switch output
	I	Dual switch output
4.Electrical interface	U	G1/4
	O	1/4NPT
	P	R1/4
5.Special function	S	With intelligent time control
	N	No special function

Instructions:

Indicates that the RTD-200 intelligent pressure controller has a measuring range of 0~1.0MPa (medium pressure type), the accuracy level is 1.0%F.S, the single switch output, the electrical interface is G1/4, and there is no special function.

Product Certification

Compliance and approval; Rodewieg pressure transmitters meet key standards and certifications for process measurement technology; Thus guaranteeing the highest reliability in such Settings;