TEMPERATURE SWTCH WD05

Product overview

The WD05 series temperature switch can directly measure the temperature of various liquid, gas medium and solid surface in the range of -200 ℃ ~ 600℃. The special temperature module is used for linear correction of the temperature sensing element, and the relay switching signal, standard analog signal and digital signal are output. The products are easy to use, diverse forms of structure and output, and can meet the temperature measurement requirements of various fields in petroleum, chemical industry, metallurgy, power station, light industry, shipbuilding and other fields.

Features

- Can output current or digital signal, save compensation wire, strong anti-interference ability
- Safe and reliable, long service life
- 4mA~20mA DC, relay switching signal, RS485 protocol, etc
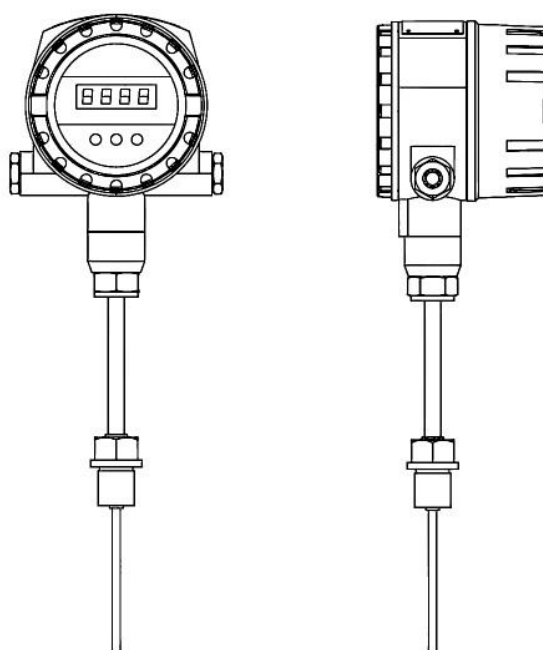- With linear function, high measurement accuracy

Specifications

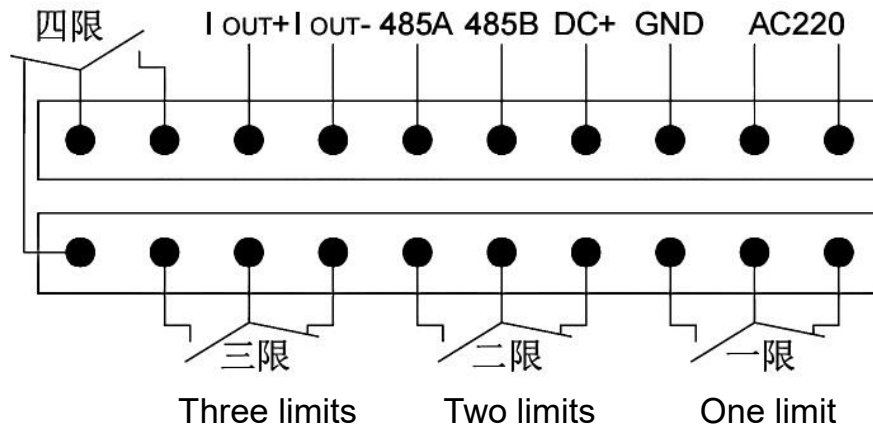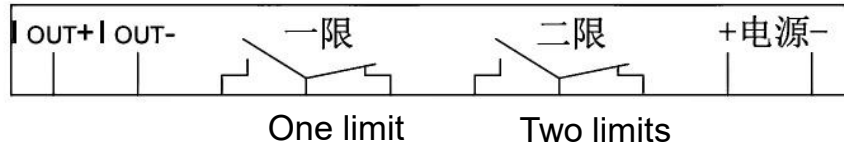| Type	WD05
Measuring Medium	Gas, Liquid, Steam, solidity
Range	-200℃~ 600℃(resistance sensor)
Accuracy	±0.5%F.S
Power	12~30VDC，220VDC
Output	4~20mA，1~5VDC, switching signal, etc
Communication protocol	RS458 protocol, etc
Protective tube diameter	Φ3，φ4，φ6，φ12，φ16, etc
Protective tube material	304, 316, Stainless steel lined with PTFE, etc
Connection form	Side outlet, rear connection, explosion-proof type, etc
Installation mode	Fixed thread type, flange type, etc
Length	100~10000mm
Insulation	≥ 100MΩ (Note: When the ambient temperature is 15 ° C to 35 ° C and the relative humidity is less than 80%, the insulation resistance of the lead wire and outer bushing must be tested.)

Model Code Selection Table

Part	Number
Selection Type	WD05
Process connection	A：Unsecured B：Fixed thread, default M27*2 (M) C：Adjustable sleeve thread, default M27*2 (M) D：Chuck connection default φ50.5 E：Flange connection, default DN25 PN16
Junction box form	1：Stainless steel housing rear terminal 2：Stainless steel side outlet with 2m lead 3：Explosion-proof housing 4：Compact shell
Protective tube diameter	A：φ3 B：φ4 C：φ6 D：φ12 E：φ16
Length	L*I：L Total length *I insertion depth
Power	A：220VAC D：12~30VDC
Output	A：No-output B：4mA ~ 20mA DC+ relay output

	C：RS485+ relay output
Alarm output	1：no-output 2：Two-point relay output 4：Four-point relay output
Temperature range	T（）：（Measuring range）
Explosion-proof class	N：Non-explosion proof E：Ex ia IIC T1 ~ T6 Ga D：Ex d IIC T6 Gb F：Ex tD A21 IP66 T80℃
Material	A：304 B：316 C：Stainless steel lined with PTFE
Temperature range	T（Measuring range）
Attachments	N：No special requirements A：Welded base B：Protective sleeve C：Anti-corrosion fluorine lining D：Wear-resistant tube must provide wear-resistant length: mm X：By customized

Outline and wiring diagram

I OUT+ I OUT-　　一限　　　　二限　　　+电源-

One limit　　　　Two limits

四限　　I OUT+ I OUT- 485A 485B DC+ GND　AC220

三限　　　　二限　　　　一限

Three limits　　Two limits　　One limit

Installation form