Please refer to page 6 for detailed selection

WTD-300 Intelligent Temperature Control Switch

Product Description

Industrial instrument level intelligent temperature control switch, specially developed for industrial working conditions, equipped with high-precision industrial grade temperature sensors and intelligent computing chips, accurate temperature measurement, rapid response, and real-time accurate monitoring of equipment, pipelines, and internal temperature of enclosures. Support custom upper and lower temperature limits, hysteresis temperature control parameters, achieve fully automatic closed-loop control of over temperature shutdown and low temperature start-up, stable temperature control without deviation, suitable for continuous and uninterrupted industrial operations.

Equipped with an industrial high-definition digital display interface, the data is intuitive and clear, and it is not afraid of strong light and dim environments in the workshop; Easy button debugging, parameter locking to prevent misoperation. The whole machine adopts a thickened shell, which is dustproof, moisture-proof, anti-interference, and resistant to high and low temperatures, suitable for complex and harsh production environments. Built in multiple power-off protections for overcurrent, overload, overheating, and short circuit, eliminating equipment burnout and safety hazards.

Suitable for conventional industrial voltage, standardized wiring, stable installation, wall mounted and rail mounted, suitable for various industrial heating equipment, drying ovens, pipeline tracing, machine tool equipment, reactor auxiliary temperature control, storage temperature control, machine room equipment temperature control and other scenarios. Intelligent start stop on-demand heating, effectively reducing energy consumption and extending equipment service life, is a professional supporting instrument accessory for precise and automated temperature control in industrial production.

Features

Industrial instrument intelligent temperature control switch, with high-precision industrial grade temperature control capability, equipped with professional temperature sensors and intelligent computing chips, accurate temperature measurement, rapid response, customizable temperature upper and lower limits and hysteresis parameters, achieving closed-loop control of automatic shutdown for over temperature and automatic start for low temperature. Equipped with an industrial grade high-definition digital display interface, data is clear and visible in strong and dim environments. The buttons are easy to debug and support parameter locking to prevent workshop misoperation. The whole machine adopts a flame-retardant and explosion-proof shell, which is dustproof, moisture-proof, anti-interference, and suitable for complex industrial working conditions. It is equipped with multiple safety protections such as overcurrent, overload, and overheating, and is suitable for industrial voltage. It can be installed on rails or wall mounted, with intelligent start stop temperature control as needed, energy-saving, and can extend the service life of equipment, meeting the precise temperature control needs of industrial continuous operation.

Scope of application

This product is compact in size, integrating temperature measurement, display, output, and control. It is flexible to use, easy to operate, safe and reliable, and widely used in various industries such as automation machinery and equipment, environmental protection petrochemicals, and water treatment.

✆ 400-860-9760

For more product information, please visit www.ludwig-schneider.com.cn

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Technical Parameters

Product range	-200+450°C
Product Accuracy	0.5%
Product power supply	DC24V
discrete signal	2-channel PNPNPN
Product output	4-20mA
Install screws	M20-1.5 (default) G1/2 G1/4
Measurement medium	Gas liquid water oil

Six core selling points

Anti corrosion/anti blocking/anti interference/anti leakage

Waterproof and dustproof

Flame-retardant housing

Reliable connection

Multiple signals

Quick response

Quick response

Intelligent Digital Display

4-digit display temperature value

The LED display output is controlled by an integrated intelligent digital temperature measurement controller product, which is a fully electronic structure with a platinum thermistor sensor at the front end

Flame-retardant material

High temperature resistance, waterproof and dustproofHas good stability and heat resistance, waterproof, dustproof, corrosion-resistant and interference resistant

Rotating angle for easy viewing

Rotatable design, with a rotation angle of 320 °

Product Real Shot Images

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Product Real Shot Images

WTD-300 Intelligent Temperature Control Switch

Example of Selection **WTD-300**

A	I	D	N	X	Z	D	P	D	S	0-400
1	2	3	4	5	6	7	8	9	10	11

1. Instrument type	A	Digital temperature transmitter
	T( )	Other types
2. Electrical interface	G	1/2NPT
	H	3/4NPT
	I	M20*1.5
	J	M16*1.5
	K	M12*1.5
	T( )	Other electrical interfaces
3. Output signal	D	2-channel NPN
	F	2-channel PNP
	G	2-channel NPN+4-20MA
	H	2-channel PNP+4-20mA
4. Input signal	N	Pt100，B
	O	Pt100，A
	P	Pt1000，B
	Q	Pt1000，A
	R	K(NiCr-Ni)
	S	E(NiCr-CuNi)
	W	N(NiCrSi-NiSi)
	U	J(Fe-CuNi)
	V	J(T-CuNi)
	T( )	Other measuring components
5. Switch output	X	Normally Open
	Y	Normally closed
6. Wire system	Z	2-wire system
	W	3-wire system
	S	4-wire system
	T( )	Other wire systems
7. Thread connection specifications	A	1/2NPT
	B	3/4NPT
	C	1/4NPT
	D	G1/2
	E	G3/4
	F	G1/4
	G	G1/8
	H	G3/8
	I	G1
	J	M8×1.0
	K	M10×1.0

WTD-300 Intelligent Temperature Control Switch

Example of Selection **WTD-300**

A	I	D	N	X	Z	D	P	D	S	0-400
1	2	3	4	5	6	7	8	9	10	11

7. Threaded Connection Specifications	L	M12×1.5
	M	M14×1.5
	N	M18×1.5
	O	M20×1.5
	T( )	Other Specifications
8. Probe rod length (mm)	R	50
	S	100
	P	150
	U	200
	V	250
	W	300
	X	350
	Y	400
	Z	450
	I	500
	T( )	Other lengths
9. Probe diameter mm	A	3
	B	4
	C	5
	D	6
	E	8
	F	10
	T( )	Other lengths
10. Material of probe rod	S	304SS
	L	316L
	T( )	Other materials
11. Temperature range	C( )	Set temperature range (unit: ℃)
	F( )	Set temperature range (unit: ° F)
12. Special requirements	A	Additional information
	N	Nothing

Instructions:

WTD-300 intelligent temperature control switch, electrical interface M20 * 1.5, output 2-channel NPN, input signal Pt100, B-class, switch output normally open, thread specification G1/2, probe length 150mm, probe diameter 6mm, probe material 304 stainless steel, temperature range 0-400 ℃. Item 12 in the table is optional.

Product Certification

Compliance and approval; Rod Weige flowmeter meets key standards and certifications for process measurement technology;Thus ensuring the highest reliability in such settings;

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