

# WSK SERIES CABINET THERMOSTAT

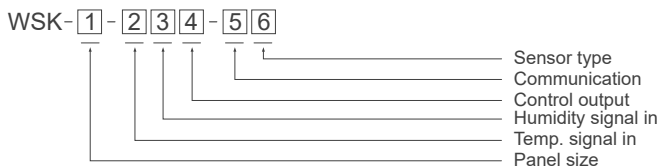
## CABINET ENVIRONMENT MONITORING

### Introduction

The WSK series cabinet thermostat is designed for temperature and humidity control. It integrates a humidity control module, collects real-time sensor data, and sends it to the processor for precise, automatic regulation.

Featuring fast-response load relay output, PID auto-tuning, multiple output types, and Modbus communication, it ensures stable, reliable operation even in harsh environments, making it ideal for industrial and electrical cabinet applications requiring continuous, accurate climate control.

### Ordering Information

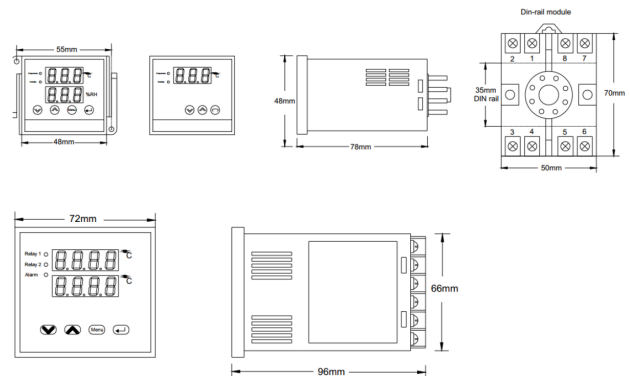


Num.	Code	Description
1	Blank	Standard 48(W) x 48(H)mm
	72	72(W) x 72(H)mm
2	W1	One channel temperature sensor input
	W2	Two channels temperature sensor input
3	S1	One channel humidity sensor input
	S2	Two channels humidity sensor input
4	K1	One channel output
	K2	Two channels output
5	Blank	Without this function
	R	One channel RS-485 communication port
6	Blank	Default model: WD01, SD01 (Refer to "related accessories")
	T	Thermocouple (-K,-J,-T,-E,-N,-R,-S,-B,-L,-U,-YXK)
	P	Platinum RTD(-PT100,-PT1000)
	L	Linear signal (0~5V,0~10V,0~20mA,4~20mA,0~50mV)

### Main Features

- 3 digital or 4 digital LED screens;
- Built-in digital filter reduces interference;
- RS485 MODBUS RTU Communication;
- Standard panel size 48x48mm / 72x72mm;
- Optional 35mm DIN rail (only 48X48mm mode);
- Heat/ Fan control mode free to the configuration;
- Sensor length max 10 meters (default 3 meters);
- Accuracy temperature within 1°C & humidity within 5%;

### Dimension



### Related Accessories



#### Model: WD01

- 2-pin temperature sensor
- Temperature range: -50~80°C; accuracy ±1°C;
- Dimension: 59\*40\*19mm



#### Model: SD01

- 3-pin humidity sensor
- Humidity range: 0~80%RH; accuracy ±5%RH;
- Dimension: 59\*40\*19mm



#### Model: WK04-D/ WK05-D

- 3-pin/4pin temp.+ humid. integrated type
- Temperature: -40~80°C, accuracy ±1°C
- Humidity: 0~99%RH, accuracy ±5%RH



#### Model: jly01

- High-accuracy temp. and humid. Integrated sensor
- Temperature range: -40~120°C, accuracy ±0.3°C
- Humidity range : 0~100%, accuracy ±3%RH

## Technical Characteristics

Basic parameters	
Power supply	85V~265Vac/dc, 50Hz, optional 24/48VDC
Power consumption	≤ 5VA
Dimension (W*H)	48*48mm / 72*72mm
Input	
Temperature	-40~99°C
Temp.sensor accuracy	+/-0.2 °C
Humidity	1~98%RH
Hum.sensor accuracy	+/-3.0%RH
Sampling rate	400 msec/per scan
Output	
Relay output	2-channels, 5A@250VAC, 1PH, resistive load
RS485 communication	MODBUS RTU, 4800/9600 baud rates
Display	
Waterproof degree	IP40
Display	2-line x 3 character 7-segment LED display
Function key	Menu, Enter, Increase, Decrease
Environment	
Protection	Anti-containing acid, alkali, salt gas
Storage temperature	-10~55°C
Storage humidity	20 ~ 93%RH, Non-condensing