

Smart Fan Coil Thermostat

Featuring LoRaWAN®
WT301 & WT302

Milesight



Milesight WT301&WT302 is an advanced touch screen room thermostat specifically developed to oversee fan and valve operations in air conditioner applications where fan coil unit (FCU) is adopted. It achieves this by continuously comparing the environmental temperature with the pre-set desired temperature, enabling both proactive management and automatic control based on predefined logic. This ensures optimal comfort and energy efficiency in the controlled environment.

With wireless detection and easy configuration, the WT301&WT302 offers reliable and convenient room temperature arrangement optimization. It is compatible with standard LoRaWAN® gateway, enabling real-time monitoring of environmental status for effective remote management.

◆ Features

- Adjust the room temperature automatically and manually with a time-controlled regulation
- Applicable for two pipes and 3-Speed fan coil system, compatible with On/Off relay (WT301) or 0-10V (WT302) valve control
- 5+1+1 six periods programmable maximize comfort and economy
- High accuracy of 0.5°C for temperature regulation, enabling precise control of indoor temperature levels
- Adopts an LCD screen with Four-color LED and capacitive touch buttons, providing a better interactive experience
- With clock display function
- With a 12cm ultra-thin embedded panel and a sleek, frameless design, it effortlessly blends into different

interior styles, offering a minimalist and elegant appearance

- Equips with external NTC sensor signal input and keycard switch input
- Function well with standard LoRaWAN® gateways and network servers
- Easy to install with the compact size
- Highly adapt to different scenarios with 86mm hidden box and European 60mm round box

◆ Specifications

Model	WT301		WT302	
Thermostat Feature				
Compatible Fan Coil	Two Pipes, 3-Speed Fan, 95~240VAC			
Fan Relay Amps	Resistance: 5A, Inductive: 3A			
Fan Mode	Low, Medium, High, Auto			
Compatible Valve	Two-wire On/Off Motorized Valve		0-10V Proportional Integral Valve	
Valve Relay Amps	Resistance: 3A, Inductive: 1A			
Temperature				
Internal Sensor Type	NTC10K			
Set Temperature Range	5°C ~ 35°C			
Accuracy	±0.5°C			
Others				
Inputs	1 × Keycard Switch Input (Dry Contact), 1 × NTC Input for External NTC Sensor			
Wireless Transmission				
Protocol	LoRaWAN®			
Frequency	CN470/EU868/RU864/1N865/AU915/US915/KR920/A5923-1&2&3&4			
Tx Power	16dBm (868 MHz) / 19dBm (470 MHz) / 22dBm (915 MHz)			
Sensitivity	-137dBm			
Mode	OTAA/ABP Class C			
Display & Configuration				
Display	LCD Screen with Four-color LED			
Display Temperature	5°C ~ 99°C			
Configuration	5 Capacitive Touch Buttons			
Physical Characteristics				
Power Supply	95 ~ 240 VAC, 50 ~ 60Hz			
Power Consumption	<1.5W			
Operating Temperature	0°C ~ 45°C			
Storage Temperature	-5°C ~ 45°C			

Relative Humidity	5 ~ 95% (Non-condensing)
Ingress Protection	IP20
Color & Material	White, PC + ABS (Flame-retardant)
Dimension	88 × 88 × 41.8 mm
Wire Connection	2 x 1.5 mm ² or 1 x 2.5 mm ²
Installation	86*86mm Square or European 60mm Round Box Mounting





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