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 mm² or 1 x 2.5 mm²
Installation	86*86mm Square or European 60mm Round Box Mounting