Smart Thermostat

Featuring LoRaWAN®

WT201

Milesight

WT201 is a LoRaWAN® thermostat used as a HVAC controller supporting a wide range of different heating and cooling systems, including heat pumps, AC, boilers, furnaces, AHU, and PTAC devices. WT201 smart thermostat provides multiple modes including heat/cool, emergent heat, auto, and fan mode, enabling precise temperature adjustments in buildings. It allows for automatic control through scheduled programming and remote management via cloud system. Real-time monitoring ensures timely alerts for sudden temperature changes, prioritizing people's safety and protecting assets. Additionally, it has the capability to store up to 1000 pieces of data, providing ample data security.
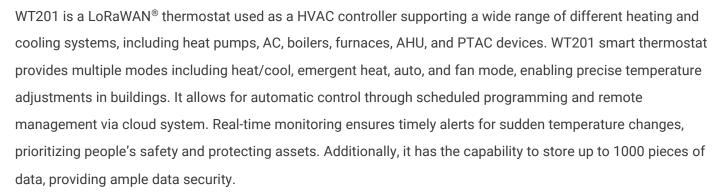
With 4.2" LCD screen and embedded temperature sensor, the WT201 continuously displays the room status while monitoring the ambient temperature. It also accommodates different time zones and summer/winter time, catering to users in various regions. Moreover, the thermostat seamlessly integrates with hotel room card systems, allowing for convenient remote management. Compliant with Milesight LoRaWAN® gateway and Milesight IoT Cloud solution, users can control the room temperature as well as triggering other sensors or appliances easily via webpage or mobile App remotely and D2D protocol.

◆ Features

- ➢ Support most 24VAC HVAC system, including furnaces and air conditioners (2H/2C), heat pumps (4H/2C + 1 stage AUX heat), boilers, and PTAC

- ➢ Support intuitive 4.2-inch display, allowing for showing temperature and status of the room clearly

- ➢ Support the child lock function and anti-theft installation for safety reasons

- ➢ Support 4 temperature control modes and 3 fan modes for flexible temperature control

- ➢ Adjust the room temperature manually or automatically with 4 working modes and allow up to 16 schedules for each mode

- ➢ Enabling real-time monitoring ensures timely alerts for sudden temperature changes,

- ➢ Built-in temperature sensor, enabling environmental detection and accurate control

- ➢ Store locally 1000 historical records and support retransmission to prevent data loss

- ➢ Support flexible adjustments based on time zones and summer/winter time catering to region differences

- ➢ Compatible with hotel room card systems for convenient remote management

- ➢ Equipped with NFC for one touch configuration

- ➢ Function well with standard LoRaWAN® gateways and network servers

- ➢ Compatible with Milesight IoT Cloud

- ➢ Supports Milesight D2D protocol to enable ultra-low latency control without gateway

- ➢ Supports multicast for control in bulk

◆ Specifications

Wireless Transmission	
Technology	LoRaWAN®, Milesight D2D
Frequency	US915/AU915/KR920/AS923-1&2&3&4
Tx Power	22 dBm (915 MHz)
Sensitivity	-137dBm
Mode	OTAA/ABP Class C
Thermostat Feature	
Compatibility	Work with most 24VAC HVAC system, including Furnaces and Air Conditioners (2H/2C), Heat Pumps (4H/2C + 1 stage AUX Heat), Boilers, and PTAC
Temperature Control Mode Options	Heat, EM (Emergency) Heat, Cool, Auto
Fan Mode Options	Auto, On, Circulate
Digital Input	1 × Digital Input for 100-250 VAC keycard switch
Advanced Feature	Local Control Schedule, Threshold Alarm, ,Freeze Protection,

	Child Lock, Multicast, Milesight D2D Controller, Milesight D2D Agent, Data Storage, Data Retransmission
Temperature Sensor	
Sensor Type	NTC
Range	-4°F to 140°F (-20°C to 60°C)
Accuracy	± 0.9°F (32°F ~ 104°F)/± 0.5°C (0°C ~ 40°C)
Report Resolution	0.1 °F (0.1°C)
Display & Configuration	
Display	4.2-inch LCD Segment Code Screen with White Backlight
External Buttons	5 Buttons for System On/Off, Temperature Up/Down, Temperature Control Mode Switch, Fan Mode Switch and Reset
Configuration	NFC or Type-C USB
Physical Characteristics	
Power Supply	20 to 30 VAC, 24VAC Nominal
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Relative Humidity	0% to 95% (non-condensing)
Ingress Protection	IP30
Material & Color	PC + ABS (V0 Retardant), White
Weight	172 g
Dimension	113 × 110 × 21 mm (4.45 × 4.33 × 0.83 in)
Installation	Wall Screws Mounting