

**Additional Room Sensor**  
**Model: MST07-S**

Quick Start Guide

# Important Information



FAILURE TO FOLLOW THESE SAFETY INSTRUCTIONS  
COULD RESULT IN FIRE, ELECTRIC SHOCK, OR OTHER  
INJURY OR DAMAGE.

In some regions, a professional installation may be necessary. Check your local regulations and building codes before undertaking any electrical work, as permits and/or professional installation might be legally required.

Before starting installation, turn off the power to the installation area at your circuit breaker or fuse box. Always handle electrical wiring with care to avoid the risk of electrical shock or equipment damage.

Install your device in a location that is away from heat sources and direct sunlight to prevent temperature fluctuations, which could affect the accuracy of temperature readings and overall device performance. Avoid placing your device near water or in areas with high humidity.

# Technical Specifications

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## Connectivity

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### RF Characteristics

- Operating frequency: 915MHz
  - Internal PCB Antenna
  - Range Indoor: Up to 30m from thermostat
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## Physical Specifications

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### PIR

- Detect occupancy
  - Sensing Distance 4m, Angle 120°
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### Operating Voltage

- 2\*AAA alkaline batteries
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### Operating environment

- 32 ~122° F (Indoor only)
  - Humidity range: 5%~95%
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### Dimensions

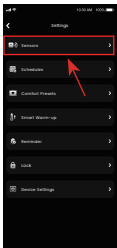
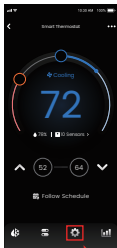
- 62(L) × 62 (W) × 15.5(H) mm
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### Mounting Type

- Tabletop stand or Wall mounting
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## Adding your Sensor to your thermostat

1. Open the **MRCOOL Connect App**, tap your thermostat. Go to Settings -> Sensors. Tap the plus (+) icon in the top-right corner.

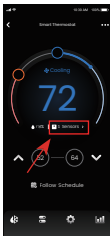


2. Follow the on-screen instructions to add the sensor.

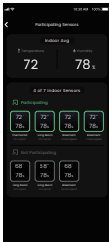
## Operation instructions

### Display

1) When your thermostat is paired with a remote sensor, the sensor icon will appear on the thermostat's control screen in the app, showing the number of sensors currently participating in temperature control. Additionally, the AVG indicator on the thermostat unit itself will light up. The room temperature is the **average of all sensors** currently participating.



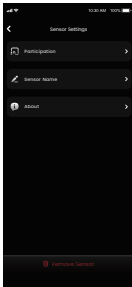
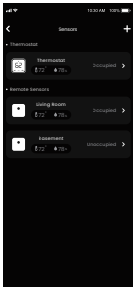
2) Tap the sensor count on the thermostat's control screen in the app to view detailed information about each participating sensor, including their temperature, humidity, and occupancy status.



- 3) A sensor's participation is determined by the following settings:
- Which preset are configured for the sensor
  - The scheduled time periods for the preset
  - How the sensor participates during the preset period—whether it follows motion or is set to not follow motion

## Sensor Settings

1) Go to Settings -> Sensors. Tap a sensor to set when it participates, rename it, and view its detailed information.



2) On the participation settings page, you can configure **which preset** the sensor is used and **how** it participates in temperature control.

