

Mesh Thermostat | Model: H-TM1-24-DWWH



Certifications



Installation

The **Mesh Thermostat** needs to be installed within 50 feet of the closest device within the Bluetooth Mesh network.

Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:

Outdoor (line of sight): 200ft

Indoor (through building material):

Glass: 100ft

Drywall: 70ft

Cinderblock: 60ft

Brick: 50ft

Concrete + rebar 0ft

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity.

For design purposes a 60ft. maximum distance is appropriate for most installations.

Specifications

- **Voltage:** 24VAC
- **Thermostat Sensing Range:** 32°F to 133°F (0°C to 48°C)
- **Control Accuracy:** $\pm 2^\circ\text{F}$
- **Terminations:** R -
20-26AWG (0.4-0.8mm²) wire/screw less
- **Wireless Radio:** 2.4GHz Bluetooth Mesh
- **Dimensions:** 3.7" x 3.7" by 1"
(94 mm x 94 mm x 25.4 mm)

Description

The **Mesh Thermostat** is a Bluetooth Mesh thermostat with an advanced remote sensor bus, designed for new or replacement commercial and residential applications. The X-THM functions both as a standalone thermostat and as part of its connected mesh network. Its settings can be dynamically adjusted through occupancy sensors or pre-set schedules for optimized comfort and efficiency. Control is seamless via the BubblyNet app, available on iOS and Android, or remotely through a secure web gateway.

Protection Class: IP30