

## Mesh Thermostat | Model: X-THM-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:

<u>Outdoor (line of sight):</u>	200ft
<u>Indoor (through building material):</u>	
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 (0.4-0.8mm<sup>2</sup>) 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