

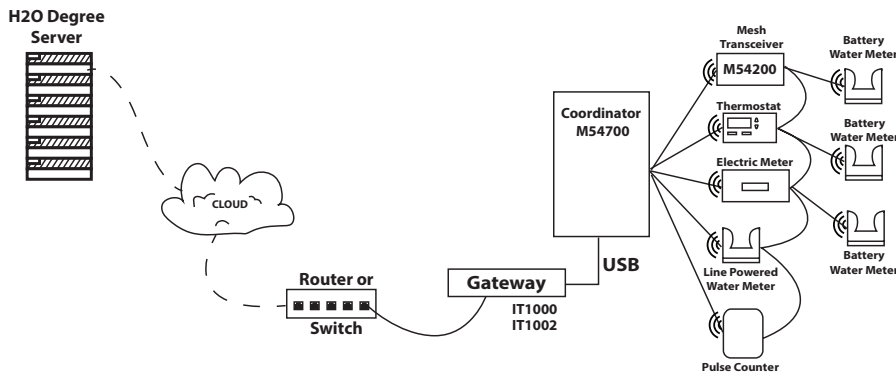
Features

- The H2O Degree M54200 is a wireless mesh transceiver.
- Device extends the range of H2O Degree radio devices installed on the wireless mesh network.
- Devices can be installed up to 150 feet away from each other.
- Radio is compatible with the H2O Degree secure wireless 2.4 GHz mesh network.
- By using a magnet, the installer can force a radio transmission and receive a LED sequence feedback on radio connectivity in real-time for ease and validation of commissioning.
- Device software can be updated over the air.
- Power Source Required:
 - 120 VAC to 9 VDC Wall Plug power supply or
 - 24 VAC to 12 VDC Slip-In 250 mA power supply
- Health packet reported (120 minute interval default.)
- Approvals:
 - US Complies with FCC CFR Part 15
 - European RADIO EN 300 328:v1.7.1
 - European EMC EN 301 489-17:V2.1.1
 - European SAFETY EN 60950-1:2005 (Ed. 2.0)
- Five year warranty.



Overview

The H2O Degree M54200 wireless mesh transceiver is used to extend the range of radio nodes that are joined to the H2O Degree wireless mesh network.



Ordering Information

Model	Description
M54200	Wireless Mesh Transceiver - Indoor (requires a power supply)
M54200-O	Wireless Mesh Transceiver - Outdoor (requires a power supply)
M54200-SI	Wireless Mesh Transceiver - Indoor with power supply for mounting behind a thermostat
M54200-RM	Wireless Mesh Transceiver - Recessed box with 120 VAC to 5 VDC power supply
PS1001	120 VAC to 9 VDC Wall Plug power supply
PS1007	24 VAC to 12 VDC Slip-In 250 mA power supply

IT2010 Technical Specifications

Equipment compatibility

Voltage input 9 to 15 volt DC
 Current input 45 milli-amps typical, 250 milli-amp max

Regulatory approvals

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Radio

20 dBm output power
 High sensitivity -106 dBm
 16 channels (802.15.4 Channel 11 to 26)
 2.4 GHz ISM band

Environmental

Operating temperature 0 to 30 degree C
 Storage temperature -25 to 50 degrees C

Physical

(H x W x D) 5.0 x 3.5 x 1.0625 inch
 Color natural
 Weight / shipping weight < 9 oz. / 1 lbs.

Warranty

Five Years

Wiring & Installation Information

