



# M54200 Wireless Mesh Transceiver

## Line Powered

### OVERVIEW

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

### FEATURES

- The ION M54200 is a wireless mesh transceiver.
- Device extends the range of ION radio devices installed on the wireless mesh network.
- Radio is compatible with the ION secure wireless 2.4 GHz mesh network.
- By using a magnet the installer can force a radio transmission and receive a LED sequenced feedback on radio connectivity in real time.
- Device software can be updated over the air.
- Type of packet data reported:  
Health Packet (120 minute interval default)
- Five year warranty.



### ORDERING INFORMATION 9/2015

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
PS1001	120 VAC to 9 VDC power supply
PS1007	24 VAC to 12 VDC power supply



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## Line Powered - Technical Specifications

### TECHNICAL SPECIFICATIONS

#### Equipment compatibility

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

#### Regulatory 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)

#### 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

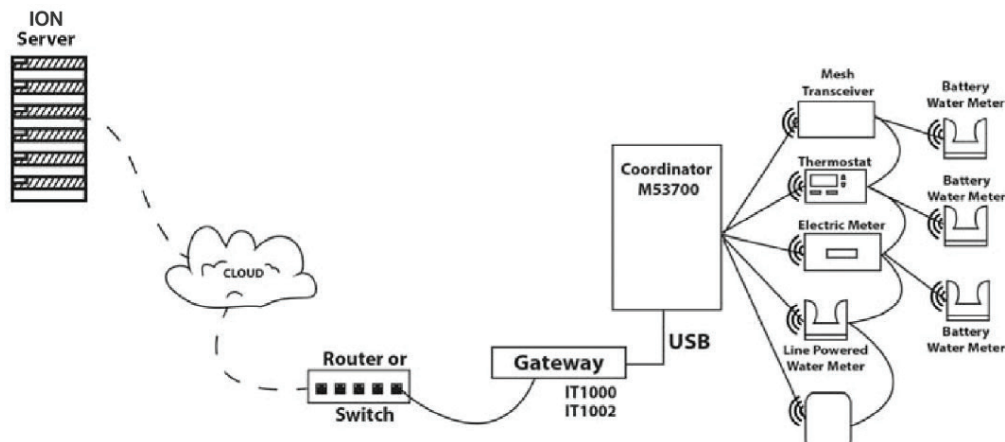
#### Physical

(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



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