

Sensor1 MLTH

Mesh network enabled motion, light, temperature & humidity sensor



PRODUCT OVERVIEW

The Amatis Controls Sensor1 MLTH communicates wirelessly with other connected Amatis devices using our proprietary 6LoWireless protocol to enable controls for vacancy, occupancy, daylight harvesting, temperature and humidity. The Sensor1 MLTH is a stand alone device that does not require a driver or controller to communicate with the 6LoWireless mesh network. Amatis provides one of the smallest and most powerful combination motion and light sensors on the market.

The Sensor1 MLTH can be installed flush into ceilings or walls and requires only two low-voltage power connections, making it a perfect option for standard AC applications with a power converter or DC micro-grids. Includes blinders to optimize detection region of motion sensor and ambient light sensor.

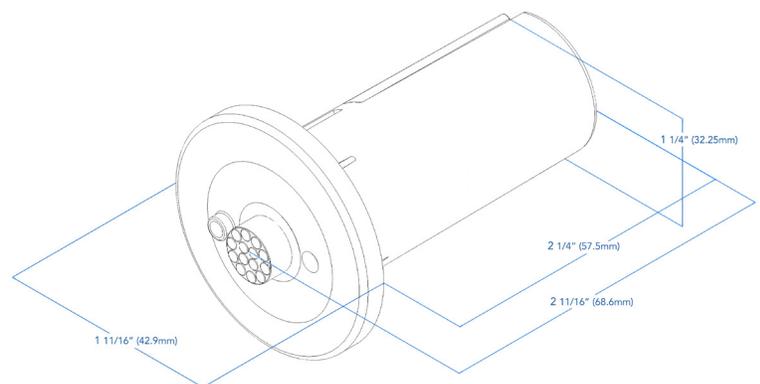
LED INDICATOR REFERENCE TABLE

Green LED: indicates powered but no motion detected

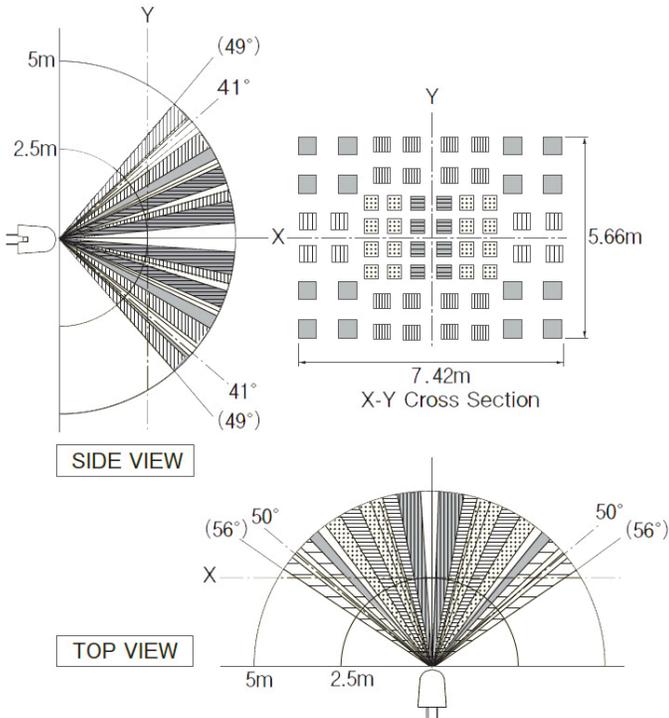
Orange LED: indicates motion detected

TECHNICAL SPECIFICATIONS

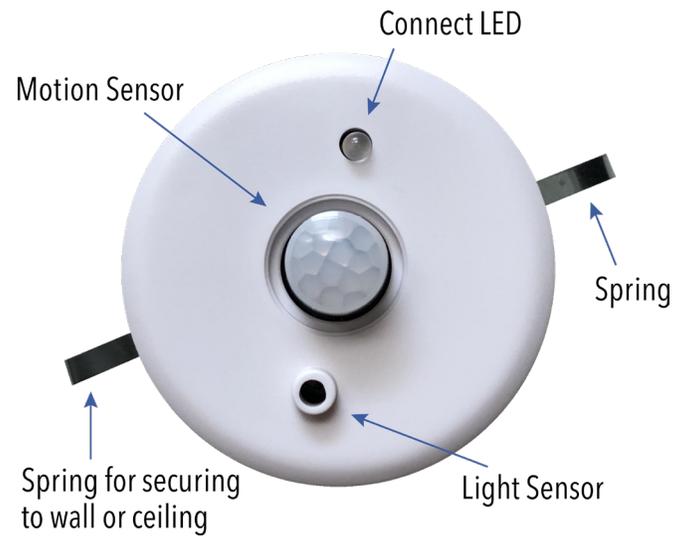
Input Voltage	24VDC
Conductors	2 core connect between 9-30VDC
Communication	6LoWireless
Range	200 feet to nearest node
Temperature Range	-20°F to +100°F (-28°C to 37°C)
Temperature Accuracy	±0.9°F from 59°F to 104°F (±0.5°C from 15°C to 40°C)
Humidity Accuracy	+/- 3.5% rH from 20% to 80% rH
Detection Radius	5 meters
Detects	Motion, Ambient Light, Temperature and Humidity



Detection Region



Sensor Diagram



Complete Your System With:
Amatis Border Router (AMBR)

The 6LoWireless mesh network is a robust communication system used by all Amatis Controls devices to communicate commands and data across the building. Each device is in constant communication with other devices in the network, thereby eliminating range limitations, creating a system that is fault-tolerant should one of the devices lose communication and allowing for a system that acts cohesively across zones.

The Amatis Border Router (AMBR) communicates with other devices in the network via 6LoWireless communication and then sends the data to the internet using ethernet or optional cellular connections. This aggregated data is available through the Amatis Energy Dashboard. Lastly, AMBR leverages this internet connection to the Amatis Commissioning App.

The Amatis communication system is built on IPv6 protocol standards: the language of the Internet. Utilizing standardized protocols allows Amatis to protect all of the data with the same 128-bit encryption used by banks, e-commerce and other secured websites. As security protocols for the entire Internet are updated, so are ours. This means all of your data is not just secure today, but always.





THE ENERGY OF THINGS

Sensor2 MLTH-H, Sensor2 MLTH-V

Motion, light, temperature & humidity sensor with horizontal or vertical RJ12 connection



PRODUCT OVERVIEW

The Amatis Controls Sensor2 MLTH connects to the Amatis Smart Driver or the ALC via the included RJ12 leveraging their on-board 6LoWireless communication to transmit occupancy, vacancy, daylight levels, temperature and humidity. Amatis provides one of the smallest and most powerful combination motion and light sensors on the market. The Sensor2 MLTH can be installed flush into the ceilings or walls, or attached directly to fixtures with an available mounting bracket.

The Sensor2 MLTH is designed to be used with the Amatis Controls Smart Driver or ALC. Includes blinders to optimize detection region of motion sensor and ambient light sensor.

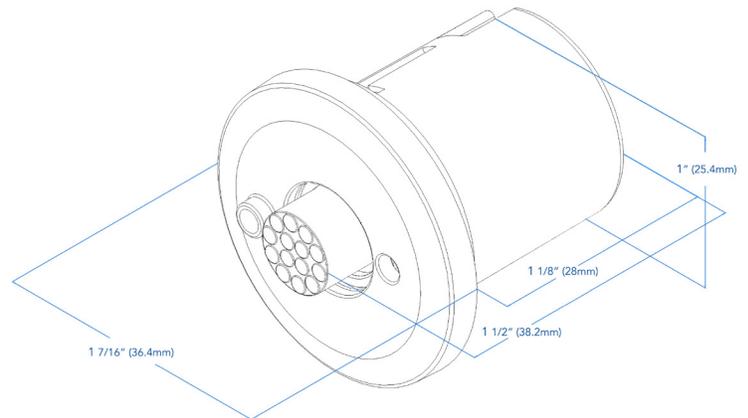
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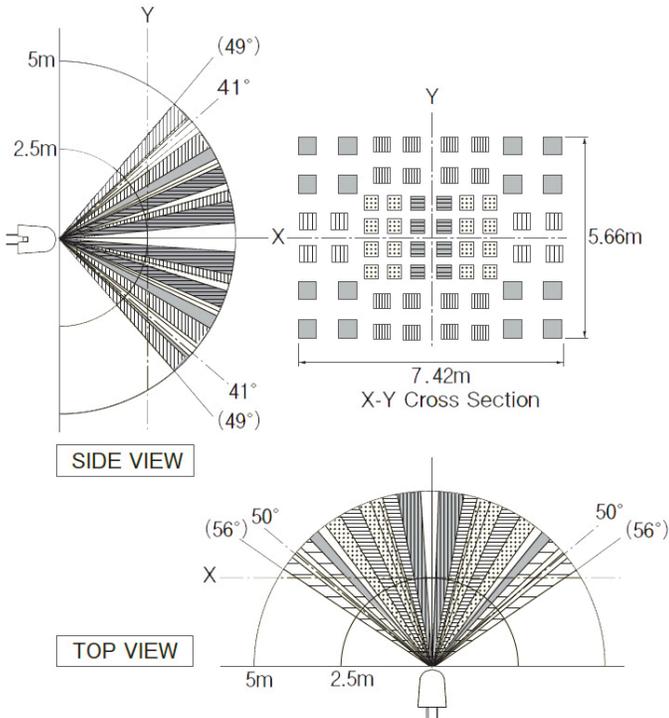
Orange LED: indicates motion detected

TECHNICAL SPECIFICATIONS

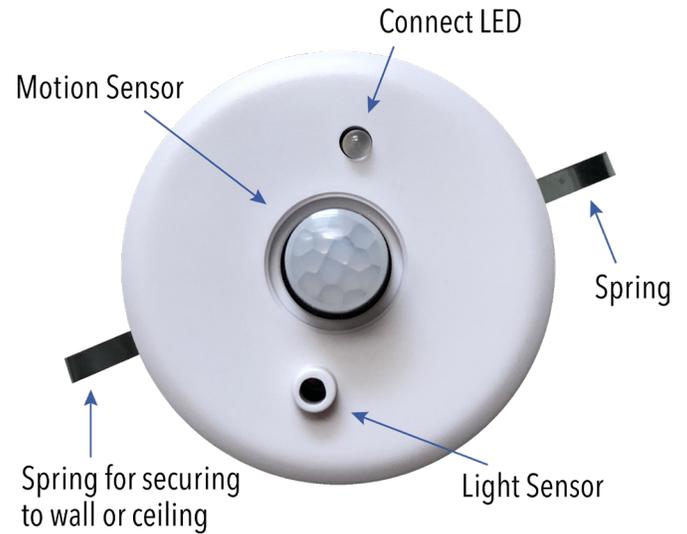
Input Voltage	24VDC
Connection	RJ12 port
Temperature Range	-20°F to +100°F (-28°C to +37°C)
Temperature Accuracy	±0.9°F from 59°F to 104°F (±0.5°C from 15°C to 40°C)
Humidity Accuracy	+/- 3.5% rH from 20% to 80% rH
Detection Radius	5 meters
Detects	Motion, Ambient Light, Temperature and Humidity



Detection Region



Sensor Diagram



Complete Your System With:
 Advanced Load Controller (ALC)
 Amatis Border Router (AMBR)
 Smart Driver

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