



Description

The WO-21M is a battery powered, multi-function sensor. It hosts a PIR motion sensor, magnetically operated door switch, and has one configurable input for either 30 K Ohm Thermistor temperature sensor (10 K Ohm version available, please contact us for more detail) or contact closure. The WO-21M also has an on board Tamper switch as a discrete input. The WO-21M operates for 2 Years on two standard alkaline AA batteries, which are purchased separately. The WO-21M is a versatile, occupancy sensing device designed to operate as a fully functional single room solution for maximum performance and energy savings

Application

The WO-21M can be used in a variety of applications. Foremost as an occupancy detection device. The WO-21M comes with a separate Magnet and Magnet Housing which is attached to a door directly below the WO-21M which would be attached to the Door Frame. solution can be easily designed and tailored to address the sensor network management requirements. Another application that the WO-21M is ideally suited for is monitoring the (Open/Close) Status of a Walk In Freezer or Cooler door and the enclosure temperature as well. Since the WO-21M can support an external wired Thermistor.

RF Specifications

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|-----------------------|--|
| RF Classification | 802.15.4 ISM Band Device (Instrument /Scientific / Medical) |
| Frequency | 2.4 GHz 15 Channels |
| Network Architecture | Part of Star Mesh Network |
| Transmit Power | 3 dBm Typical |
| Receive Sensitivity | -99 dBm |
| Device Classification | Endpoint Device |
| Line of Sight Range | Up to 300 Feet / 100 Meters |

Hardware Specifications

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|-----------------------|-------------------------------|
| Power Requirements | 2AA Batteries |
| Transmission Interval | Selectable 10 - 1,800 Seconds |
| LED Status Indicator | Device Indicates Transmission |

Mechanical Specifications

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|----------------|--|
| Dimensions | Height (H): 1.61 in. (41.0 mm) Width (W): 3.78 in. (96.0 mm) Depth (D): 1.99 in. (50.5 mm) |
| Mounting Holes | 0.19 in. (4.8 mm) apart 2.87 in. (73.0 mm) |

Environmental Specifications

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|------------------------|--------------------------------|
| Enclosure | ABS-VO Plastic |
| Operating Temperature | -4°F to 140°F / -20°C to 60°C |
| Thermistor temp. range | -10°F to 140°F / -23°C to 60°C |
| PIR temp. range | |
| Storage Temperature | -22°F to 176°F / -40°C to 80°C |
| Operating RH | 5-95% Non-Condensing |
| Storage RH | 5-95% Non-Condensing |