



M9-RPW

Room Control Module (Built-In Occupancy Sensor)



PROUDLY MADE
IN AMERICA

Application

Solar-powered, self-learning room sensor with LCD and smart communication management for measuring room temperature, independent generation of utilization time profiles and their continuous dynamic adjustment/optimization and for wireless transmission of measured values. Occupancy button for manually changing the comfort mode or economy mode status. In combination with the M9-MTB transceiver, the M9-RPW room sensor constitutes a functional unit for easy room temperature control. The M9-RPW can also be used within additional building automation systems via appropriate gateways (M9-EBOX)

The following EnOcean Equipment Profiles (EEP) are supported: EEP D2-29-08 *

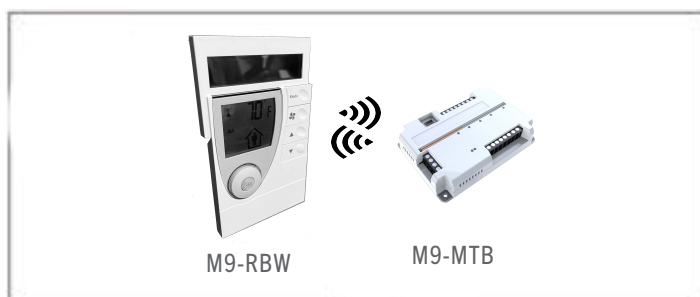
-Gateway operation



-Gateway and pair operation



- Pair operation



Applications:

- Hotels & Resorts
- Colleges & Universities
- New Construction
- Executive Offices
- Daylight Harvesting
- Private Offices
- Retrofits
- Conference Rooms
- Classrooms

All content subject to change

Occupancy Sensor

The room sensor automatically detects presence with its occupancy sensor. Depending on the distance, the range of movement in the detection area is important. The further a person is away from the occupancy sensor, the greater the movement must be.

All content subject to change

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M9-RPW

Room Control Module



TECHNICAL SPECIFICATIONS:

Part Numbers (Frequency Dependant)	M9-RPW (902 MHz - North America) M8-RPW (868 MHz - Europe and China) MJ-RPW (928 MHz - Japan)
Nominal Voltage	Dual power supply consisting of a solar cell and an internal energy storage unit with priority management Lithium battery (AA) AC 2.3 V; 0,08 W
Measured Quantity	Room temperature in homes or offices
Measuring System	Temperature sensor: - Integrated digital sensor Occupancy sensor: - Integrated PIR ("Passive infrared") sensor
Measuring Range	0 to 40°C or 32 to 104°F
Relative Measurement Precision	0.1 K
Display	LCD: - Room temperature/time, optionally - Status indicators
Controls	- Occupancy button: manually switch between comfort mode/ economy mode, fan speed and auto
Interfaces	EnOcean® wireless interface: - Radio telegram: EnOcean radio telegram, bidirectional - Duty cycle: < 1 % - Cyclic transmission/reception intervals
Communication Cycle	10 min
Transmission Power	< 10 mW
Illumination Strength	Min. 100 lux recommended
Operating Range	Radio: Approx. 30 m in buildings (depending on building structure) Occupancy Sensor: Approx. 10 m
Housing	Plastic housing, RAL 9010 (pure white), 7001 Other colors on request
Protections Class	III
Degree of Protection	IP30
Ambient Temperature	0 to 50°C or 32°F to 122°F
Ambient Humidity	During Operation: 20 to 85% rH, non-condensing; Out of Operation: 5 to 90% rH; non-condensing
Installation	Flexible mounting using screws or adhesive
Maintenance	Maintenance-Free
Weight	0.22 kg
Dimensions	WxHxD: 90 x 153.7 x 26.7 mm