

OVERVIEW

The **RM** Series incorporates Passive Infrared (PIR) technology into an attractive sensor that recess mounts into a 4" x 4" junction box. In applications where detection of minor motion is also required, use the **RM PDT** Series Dual Technology sensor.

FEATURES

- Push- button programmable, adjustable time delays, and multiple operating modes
- 100 hr lamp burn-in timer
- No field calibration or sensitivity adjustments required

SPECIFICATIONS

- Size: 4.40" square
 - Weight: 5 oz
 - Mounting: Recesses into a 4" x 4" square j-box or directly to ceiling tile through 2.65" square opening
 - Color: White
 - Operating Voltage: 12-24 VAC/VDC
 - Current Draw: Standard 4 mA, w/ R option 16 mA
 - Dimming Load: Sinks <20 mA; ~40 Ballasts @ .5 mA each
 - Power Pack: Recommended PP20
- ROHS compliant

Warranty

Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

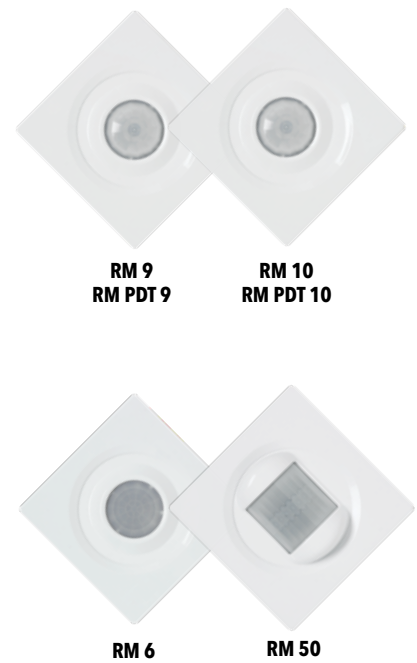
ORDERING INFORMATION

RM Family						Example: RM PDT 10 LT	
Series	Detection Technology	Coverage Type	Relay	Additional Features (choose 1)	Temp / Humidity		
RM Recessed Mount Sensor	[blank] PIR PDT Dual Technology (PIR/ Microphonics)	6' High Bay 360° 9 Small Motion 360° 10 Large Motion 360° 50' High Bay Aisleway	[blank] None R Low Voltage Relay	[blank] None D Occupancy Controlled Dimming P Photocell ADC Photocell w/ Dimming	[blank] Standard LT Low Temp/ High humidity		

1. Not available with PDT option, P option, and/or ADC option.



**RM
RM PDT**



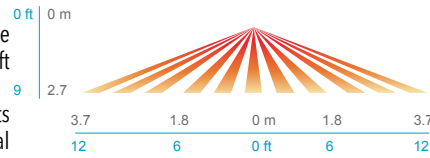
COVERAGE PATTERNS

SMALL MOTION 360° (Model # nRM 9/nRM PDT 9¹)

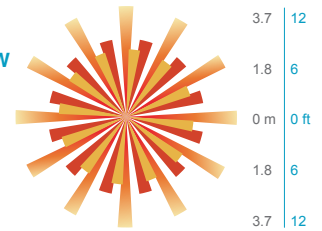


- Best choice for small motion (e.g. hand movements) detection
- 360° conical shaped pattern
- Provides 12 ft (3.66 m) radial coverage (~500 ft²) when mounted to standard 9 ft (2.74 m) ceiling
- 8 to 15 ft (2.44 to 4.57 m) mounting heights provide 10 to 20 ft (3.05 to 6.10 m) radial coverage
- Lens assembly is marked with a gray ring around lens to differentiate versus the #10 lens

SIDE VIEW



TOP VIEW



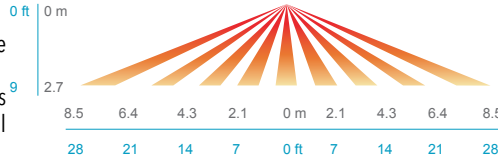
¹ Sensors with Microphonics™ provides overlapping detection of human activity over the complete PIR coverage area. Advanced filtering is also utilized to prevent non-occupant noises from keeping the lights on.

LARGE MOTION 360° (Model # nRM 10/nRM PDT 10¹)

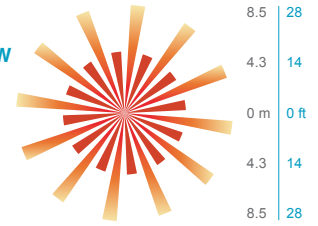


- Best choice for large motion detection (e.g. walking)
- 360° conical shaped pattern
- Provides ~24 ft (7.32 m) radial coverage (~2000 ft²) when mounted at 9 ft (2.74 m)
- 7 to 15 ft (2.13 to 4.57 m) mounting heights provide 16 to 36 ft (4.88 to 10.97 m) radial coverage
- Detection range improves when walking across beams compared to into beams

SIDE VIEW



TOP VIEW



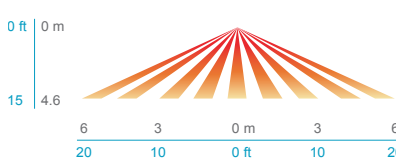
¹ Sensors with Microphonics™ provides overlapping detection of human activity over the complete PIR coverage area. Advanced filtering is also utilized to prevent non-occupant noises from keeping the lights on.

HIGH MOUNT 360° (Model # nRM 6)

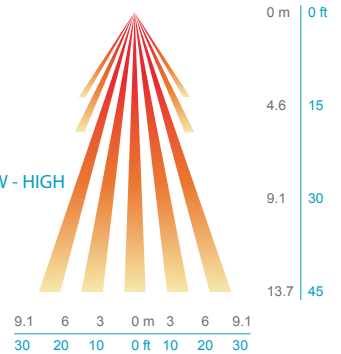


- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to 35 ft (10.76 m)
- Excellent detection of extra large motion (e.g. forklifts) up to a 45 ft (13.72 m)

SIDE VIEW - LOW



SIDE VIEW - HIGH

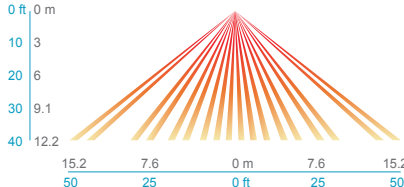


HIGH MOUNT AISLEWAY (Model # nRM 50)



- Provides a bi-directional coverage pattern ideal for 15-45 ft mounting above warehouse racking aisles
- Multiplying the mounting height by 1.2 equals approx. detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction
- Superior aisleway coverage compared to a masked 360° lens

SIDE VIEW



TOP VIEW

