

OVERVIEW

High Bay Aisle Way lighting control is easily accomplished by the **HMB 10** Series Passive Infrared (PIR) occupancy sensor. This low voltage sensor easily installs to a standard junction box through a 1/2 inch knockout. Designed to be used in pairs, mounted 30 to 45 ft (9.14 to 13.72 m) high at both ends of an aisle, the **HMB 10** views up to 110 linear ft (33.53 m) of aisle way space. When used with standard **PP20** power packs, these sensors are ideal for on/off control of T5/T8 fluorescent lighting. However, HID bi-level fixtures can also be controlled when the **HMB 10** is partnered with a **PP20 SH** power pack with the start-to-high feature. For inner aisle coverage consider the **CMB 50** Bi-Directional Aisle Way sensor, or the **CMB-6** Series sensor for 360° coverage. If individual fixture control is preferred, the **HMRB 10** Series sensor is recommended.

FEATURES

- Coverage up to 110 Linear ft
- Adjustable Time Delay
- 100% Digital PIR Detection,
- Excellent RF Immunity
- 360° Coverage Pattern
- Push-Button Programmable
- User Adjustable Time Delays
- No Field Calibration or Sensitivity Adjustments Required
- Convenient Test Mode
- 100 Hr Lamp Burn-in Timer

SPECIFICATIONS

Size:	3.63" H x 3.63" W x 1.50" D (9.22cm x 9.22cm x 3.81cm)
Weight:	6 oz
Mounting:	1/2" knockout
Color:	White
Operating Voltage:	12-24 VAC/VDC
Current Draw:	Standard: 4 mA, w/ R option: 16 mA
Dimming Load:	Sinks < 20mA; ~40 Ballasts @ .5mA each
Rcmd. Power Pack:	PP20 or PP20 SH
Max. humidity:	20–90% non-condensing
Ambient temperature:	14–160° F (-10–71° C)
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.

AcuityControls™

Sensor Switch™

HMB 10
High Bay End-of-Aisle Sensor



ORDERING INFORMATION

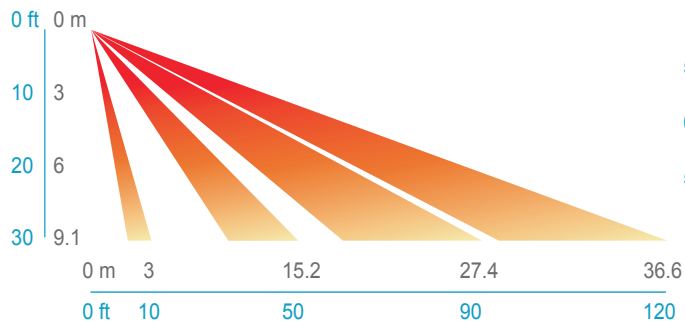
HMB 10		Example: HMB 10 D	
Series	Relay	Dimming	Temp / Humidity
HMB 10 High Bay End-of-Aisle Sensor	[blank] None R Low Voltage Relay	[blank] None D Occupancy Controlled Dimming	[blank] Standard LT Low Temp/ High humidity

COVERAGE PATTERN

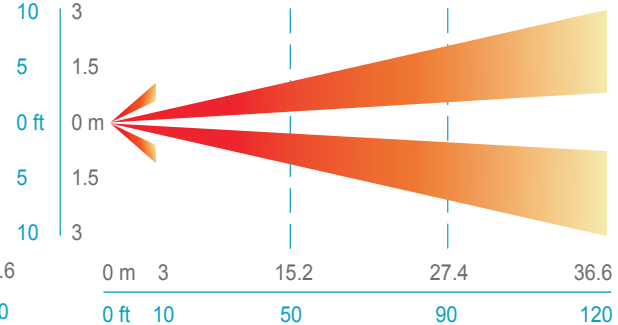
HIGH BAY END-OF-AISLE LENS

- Detects motion from the end of an aisle up to 110 ft (33.53 m) long
- Designed to mount 30 ft (9.14 m) high and 10 ft (3.05 m) back from end-of-aisle
- Sensors should always be applied in pairs facing each other from either end of an aisle

SIDE VIEW



TOP VIEW



WIRING (DO NOT WIRE HOT)

STANDARD WIRING

- RED - Power Input (12-24 VAC/VDC)
- BLACK - Common
- WHITE - Output (high VDC for occupancy)

RELAY OPTION (R)

- GRAY / BROWN - Connected during occupied state
- VIOLET / BROWN - Connected during unoccupied state
- Note: Relay is energized during unoccupied state

DIMMING OPTION (D)

- VIOLET w/ WHITE STRIPE - Connect to Violet control wire from 0-10 VDC dimmable ballast
- GRAY from Ballast - Connect to sensor Black wire

