HUBBELL Wiring Device-Kellems

OPTIMYZER® High/Low Bay Occupancy & Daylight Sensors

Advanced Occupancy and Daylight Control

Superior Performance and Coverage

Now Featuring
0-10V Dimming Capability

The OPTIMYZER® sensor provides occupancy sensing and daylight harvesting for indoor lighting applications. It may be configured to turn lights OFF or to a preset dimmed level. The OPTIMYZER® is ideal for a variety of large space applications such as warehousing, gymnasiums, storage and more.

The Hubbell OPTIMYZER® sensor meets or exceeds the latest energy codes and standards, while maximizing the energy savings available from Solid-State LED lighting.





- · Superior digital passive infrared (PIR) detection technology
- Choice of predetermined dimming levels
- Two integral photocells for daylight harvesting
- · Lens options for customized coverage
- Zero Arc Point Switching
- Compatible with IEC 60929 standard ballasts/LED drivers



OPTIMYZER® High/Low Bay Occupancy and Daylight Sensors





0-10V Dimming OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors

• Supports mounting heights up to 45 feet (High Bay), between 8-16 feet (Low Bay)

Description	Voltage	Catalog Number
Single relay with photocell	120-347V AC	HBS13D
1 double pole relay with photocell	208, 240V AC	HBS28D
1 double pole relay with photocell	480V AC	HBS48D
Low voltage with photocell	24V DC	HBS24D*

Note: 360° high bay lens included. Low bay lens options sold separately, see below for details. *For use with CU300HD control unit.

Replacement Lenses and Accessories

Description	High Bay	Low Bay
180° Lens	HBRL180	LBRL180
360° Lens	HBRL360	LBRL360
Aisle lens	HBLRLA	LBLRLA
End of aisle lens	HBRLEA	LBRLEA
Mounting extension adapter	HMHBSA	HMHBSA



Specifications		
Timer time-outs	8-second test mode, 4, 8, 16 and 30 minute time-outs	
Passive infrared and Daylight sensor	Dual element pyrometer and spherical Fresno	el lens
Coverage	360° lens provided, 180° aisle and end-of-aisle lenses also available	
Load ratings Line voltage units	120V AC: 0 to 800W ballast or tungsten 277V AC: 0 to 1200W ballast	208/240V AC: 0 to 1200W ballast 480V AC: 0-2400W ballast 1/4 HP motor load @ 120V AC
Low voltage units	Output: • 24V DC active high-logic control signal • Relay: N/O + N/C contacts; 500mA rated @ 24	V DC; 3-wire isolated relay
0-10V Dimming	Capable of sinking up to 30mA	
Dimming Presets Unoccupied	70%, 60%, 50%, 20%	
Full Off Timer Delay Enabled	After 60 minutes in the Unoccupied low level	state, sensor will turn lighting OFF
Full Off Timer Delay Disabled	Sensor will maintain low level setting when the	nere is no occupancy
Operating environment	Indoor use only Operating temperature: 32°F to 149°F (0°C to 65°C); Relative humidity (non-condensing): 0% to 95%	
Size and weight	Size: 4.0" Diameter x 1.5" Height; Weight: 7 c	DZ.
Mounting	Mounts directly to end of a fixture through an For deeper body fixtures, an optional Extend separately) positions the sensor flush or belo a full field of view	er Adapter (HMHBSA available



HBS13D





HBRL180

HBRL360



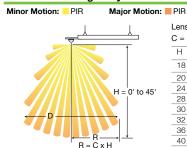




HMHBSA

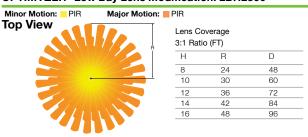
Coverage Patterns

OPTIMYZER® High Bay Lens Modification: HBRL360



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Н	R	D
18	25.2	50.4
20	28	56
24	33.6	67.2
28	39.2	78.4
30	42	84
32	35.2	70.4
36	39.6	79.2
40	44	88
42	46.2	92.4
45	49.5	99

OPTIMYZER® Low Bay Lens Modification: LBRL360



Side View

