



PROJECT NAME: PROJECT NOTES: DAYKAL LED SOLUTIONS, INC. www.jaykal.net 21499 Baltimore Ave. Georgetown, DE 19947 (P) 302-295-0015 (F) 302-295-0016

PRODUCT DESCRIPTION

The AC High Bay PIR Sensor and Controller is a non-Bluetooth basic sensor. JLS-ESS-EFS01RE is equipped with $AlgoH^{TM}$ algorithm to enhance detection without false trigger.

FEATURES

- This sensor was designed for automatic lighting control in high or low bay application.
- Different lens options provided.
- Includes a hold-off daylight level feature to prevent lighting from turning on when there is sufficient ambient light.
- Customize dimming level, delay time and control mode easily via a remote controller.







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SPECIFICATIONS TABLE

JLS-ESS-EFS01RE		
INPUT VOLTAGE	120-277VAC	
FREQUENCY	60Hz	
INPUT CURRENT	10A Max @ 120V, 4.3A Max @ 277V	
INPUT POWER	1200W Max	
OUTPUT VOLTAGE	120-277VAC	
OUTPUT CURRENT	10A Max @ 120V, 4.3A Max @ 277V	
OUTPUT POWER	1200W Max	
DIMMING	Class 2, 0-10V DC 10mA Max	
SINKING CURRENT	10mA Max	
HOUSING MATERIAL	UL 94-5VA	
DETECTION RANGE	40-80ft Max	
MOUNTING HEIGHT	20-40ft Max	
IR REMOTE RANGE	Max 26' Indoor/Outdoor Use	
OPERATING TEMPERATURE	-30°C to 65°C, -22°F to 149°F	
STORAGE TEMPERATURE	-30°C to 85°C, -22°F to 185°F	
IP RATING	IP40	
COLOR	White	
WARRANTY	5 Years	
COMPLIANCE	UL8750, RoHS	
SAFETY	cULus Recognized Component LED Controller E504054	

Due to our continued efforts to improve our products, specifications are subject to change without notice.



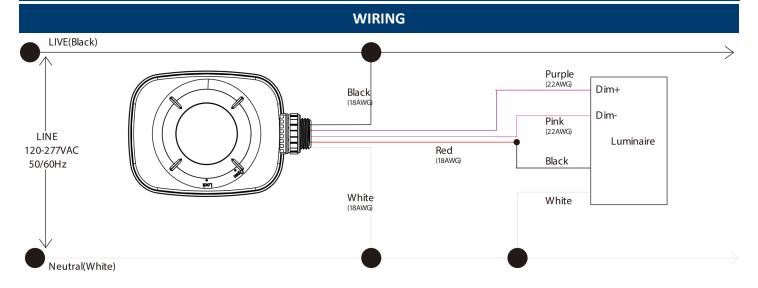
Ordering Guide

MODEL	Description
JLS-ESS-EFS01RE.B1	AC External Photo/PIR Motion Sensor
JLS-ESS-HBL3-2-W	High Bay Lens
JLS-ESS-HBL1-2-W	High Bay Lens
JLS-ESS-EJ30	Extension Adapter
JLS-ESS-EJ50	Extension Adapter



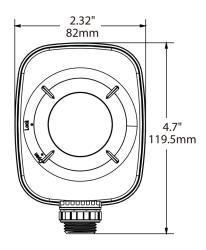


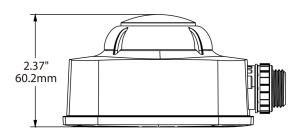
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DIMENSIONS

Unit:inch/mm





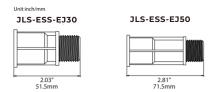
Socket Mounting Dimensions		½ inch US standard knockout
Size	T.P.I - inch	Major Dia inch
R1/2	14	0.825





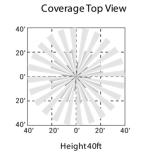
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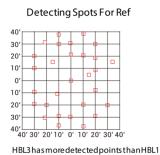
ACCESSORY DIMENSIONS



JLS-ESS-HBL3

2.73° 69.4mm

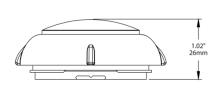


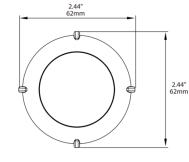


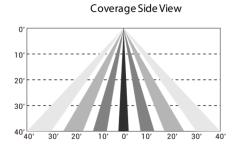
ACCESSORY DIMENSIONS

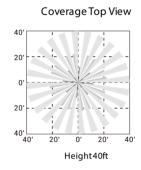
Unit:inch/mm

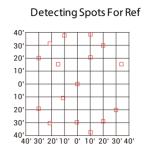
JLS-ESS-HBL1















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REMOTE GUIDE

ON	Turns ON luminaires.	
OFF	Turns OFF luminaires.	
TEST	Test mode will last 5 minutes , then return to the previous setting. In test mode, the hold time is 2 seconds , SDL is 50% and the standby time is 2 seconds .	
RESET	Trim-High = 100% , Sensitivity = High, T1 = 5 min, Standby Dim = 30% T2 = 60 min, Photocell = OFF.	
DIM+/-	Remote will manually dim the luminaire up or down in increments of 0.5 volts . Smooth dimming should occur when holding the dimming button.	
TRIM-LEVEL	Set maximum threshold value at 50% 75% or 100%.	
SENSITIVITY	OFF (PIR OFF, Enter PC ON/OFF function) / LOW (50%) / HIGH (100%).	
HOLDTIME	Time of no occupancy after which the fixture goes to standby: 30s / 5 min / 15 min / 30 min.	
FMODE DAYLIGHT HARVESTING	(Enable/Disable) Measures and sets a feature to allow the fixture to maintain a light level when turned ON.	
STANDBY DIM	Select any standby dim level: 0%/ 10%/ 30%/ 50%	
STANDBY TIME	10s / 5 min / 15 min / 30 min / 1h / ∞ . " ∞ " means the standby time is infinite , and the fixture is effectively controlled by the daylight sensor.	
PHOTOCELL	LOW (1fc) / HIGH (50fc) / CAL (Collects the current Lux Level) ON.	
MODE	Set settings to a program profile (A to F).	
SEND	Send settings to the sensor.	
DEFAULT MODE A	Trim-High = 100%, Sensitivity = Low, T1 = 30 min , Standby Dim = 50%, T2 = ∞, Photocell = CAL.	
DEFAULT MODE B	Trim-High = 100% Sensitivity = Low, T1 = 30 min , Standby Dim = 50% T2 = 15 min , Photocell = CAL.	
DEFAULT MODE C	Trim-High = 100% Sensitivity = Low, T1 = 30 min , Standby Dim = 50% T2 = 15 min , Photocell = OFF.	
DEFAULT MODE D	Trim-Low = 50% Sensitivity = Low, T1 = 30 min , Standby Dim = 50% T2 = 30 min , Photocell = CAL.	
DEFAULT MODE E	Manual Mode, Trim-High = 100%.	
DEFAULT MODE F	Daylight Harvesting, Trim-Low = 50% Sensitivity = Low, T1 = 15 min .	

