DATE: 11/30/2022 FIRMWARE: 1.0 ERP CODE: 10.01472
VERSION: 1.0 CATALOG#: C

DC Basic High Bay Sensor

Plug&Play Type


EFS07-AUX


EFS07-Z10


SC01-AUX

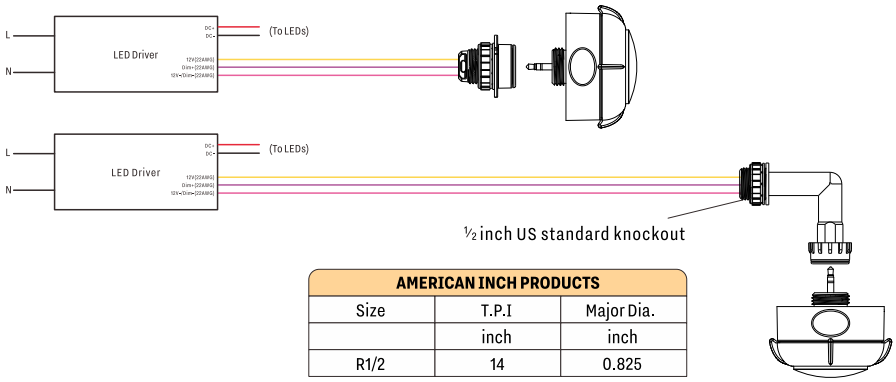

SC01-OES


SC02-AUX

FEATURES

EFS07-AUX is PIR sensor combines occupancy sensing with photocell. When used with 0-10V dim-to-off LED drivers, it enables any lighting manufacturer to deliver sensor-equipped fixtures with minimal engineering effort.
It operates on 12V DC which can be supplied by a LED driver, which will save OEM cost on manufacturer side.
Different mode can be selected according to different applications through RM51 IR remote controller.
The integrated photocell can switch the lights on and off for dusk to dawn control, so that lighting remains on overnight even without motion detection.
Under daylight harvesting mode, the auto-calibration funcation can control the amount of electric light by measuring the overall combined natural and electric light to achieve the desired light level working with SC01/SC02 receptacle.

WIRING



AMERICAN INCH PRODUCTS		
Size	T.P.I	Major Dia.
	inch	inch
R1/2	14	0.825

MODEL	DESCRIPTION
EFS07-AUX	Fixture Integrated PIR&Daylight Harvesting & Photocell on/off Sensor
EFS07-Z10	Fixture Integrated PIR&Daylight Harvesting & Photocell on/off Sensor
HBL1-2-W	HBL1 High Bay Lens
SC01-AUX	3.5mm Audio receptacle
SC01-OES	3.5mm Audio receptacle
SC02-AUX	3.5mm Audio 90° external adapter

SPECIFICATIONS

Input Voltage: DC 12V

Input Current: 8mA

Input Power: 0.1W

Output Current: 10mA Max

Output Power: 0.1W

Dimming: Class 2, 0-10V DC 10mA Max

Sinking Current: 10mA Max

Housing Material: UL 94-5VA,

Indoor / Outdoor Use

Detection Range: 40-80ft

Mounting Height: 20-40ft

IR Remote Distance: Max 26'

Operating Temperature: -30℃ to 70℃,

-22°F to 158°F

Storage Temperature: -30℃ to 85℃,

-22°F to 185°F

IP Rating: IP66

Color: White,Black,Brown

Warranty: 5 years warranty

Comply to UL8750, RoHS

Compliant Standard Interfaces:

Zhaga book 18

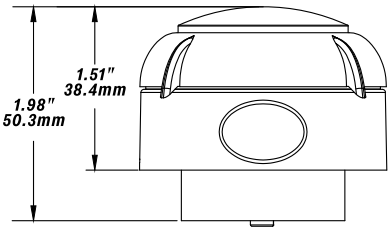
Safety: cULus Listed LED Controller

E504054

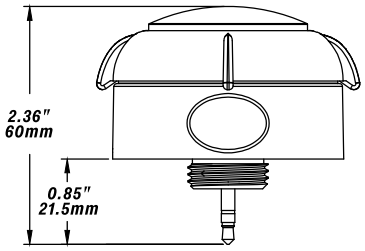
DIMENSIONS

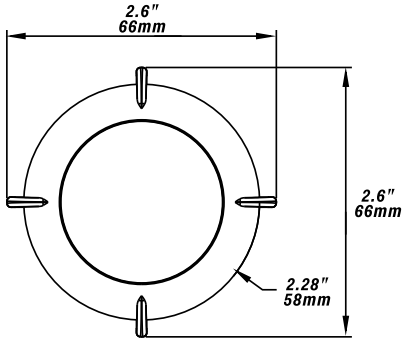
Unit:inch/mm

EFS07-Z10

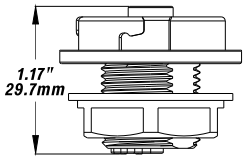


EFS07-AUX

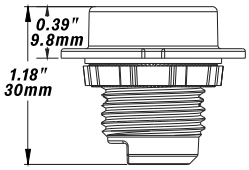




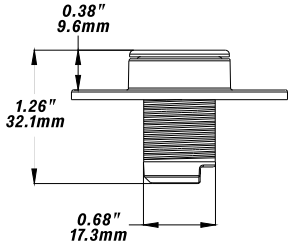
Z10



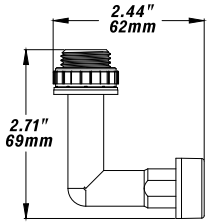
SC01-AUX



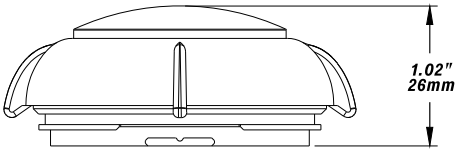
SC01-OES

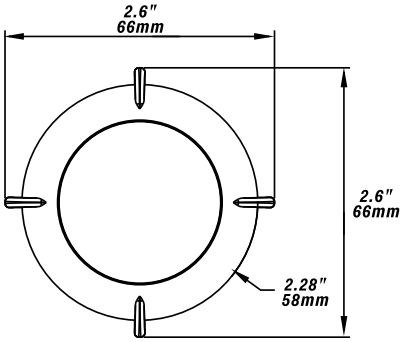


SC02-AUX

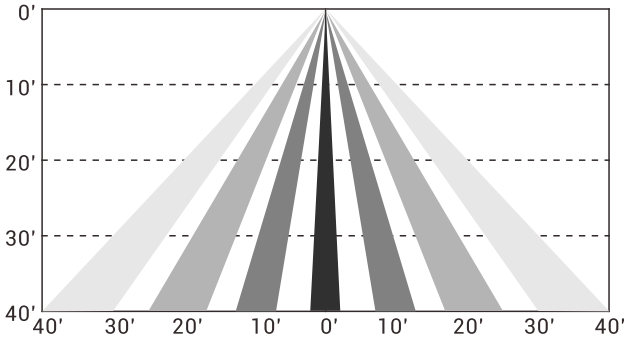


HBL1

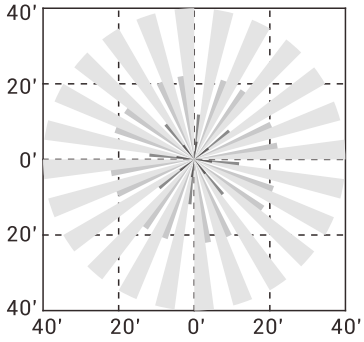




Coverage Side View



Coverage Top View



Height 40ft

REMOTE INSTRUCTION

Memory Mode (Commissioning) To begin commissioning, follow the steps below:

1. Select either A, B, C, D.
2. Indicator lights on the remote will flash to indicate the current saved settings.
3. Settings can be configured by pressing appropriate buttons in the highlighted gray area of the remote. (TRIM-LEVEL, SENSITIVITY, HOLD TIME, STANDBY DIM, STANDBY TIME, and PHOTOCELL). Review selected settings and make changes as necessary.
4. Point IR remote to desired luminaire for configuration and press " SEND".
5. If configuration is successful, luminaire will flash two times suggesting settings are saved. Any parameter change to the current saved settings on A to F will override previous settings and will be automatically saved on the remote. If configurating multiple luminaires, select the configured memory mode A to E then follow steps 4 and 5.

*** **E Mode** allows visual adjustment to choose the desired dimming Level.

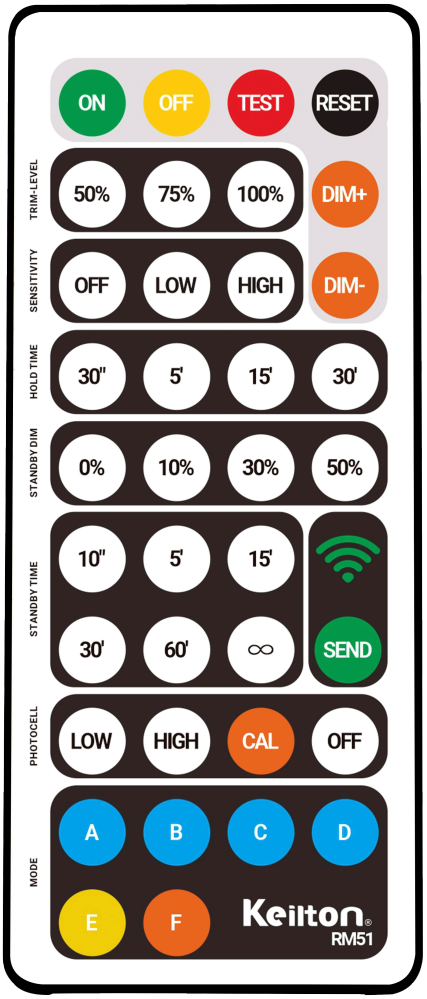
Continuous Adjustment Mode or Daylight Harvesting (F Mode) enables dimmability in response to daylight availability.

1. Point IR remote to desired luminaire.
2. Press " ON" then press DIM+ or DIM- to adjust dimming level.
3. Press "F", indicator lights on the remote will indicate current saved settings. Note: only TRIM-LEVEL, SENSITIVITY, and HOLD TIME can be selected for Daylight Harvesting settings.
4. Review selected settings and make changes as necessary. Press " SEND".
5. If configuration is successful, luminaire will flash twice to confirm setting saved.If configurating multiple luminaires, select the configured DAYLIGHT HARVESTING settings then follow steps 4 and 5.

Reset Mode

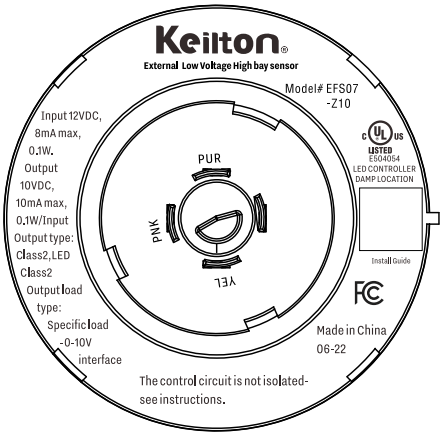
Default Settings:Motion --> 100%,No Motion >= 5min --> DIM to 30%, No Motion >= 60min --> Off

ON	Turns ON Luminaires
OFF	Turns OFF Luminaires
TEST	Test mode will last 5 mins then return to previous setting Test mode will hold time 2 seconds SDL 50% and standby time 2 seconds
RESET	Trim-High=100%,sensitivity=High,T1=5min,Standby Dim=30%, T2=60min,Photocell=OFF
DIM+/-	Remote will manually dim luminaire up or down by increments of 0.5volts. Must be smooth dimming if holding dimming button.
TRIM-LEVEL	Set Maximum threshold value 50/75/100%
SENSITIVITY	OFF(PIR OFF Enter PC ON/OFF function)/LOW(50%)/HIGH (100%)
HOLD TIME	(time of no occupancy after which fixture goes to standby) 30s / 5min /15min / 30min
F MODE DAYLIGHT HARVESTING	(Enable/Disable) Measure and set feature to allow the fixture to maintain a light level. If turned ON.
STANDBY DIM	Select any standby dim level 0/10/30/50%
STANDBY TIME	Standby time - 10s / 5min/15min / 30min /1h/∞. "∞" means the stand-by time is infinite and the fixture is effectively controlled by the daylight sensor)
PHOTOCELL	LOW (1fc) / HIGH (50fc)/CAL Collecting The current Lux Level OFF
MODE	Set settings to a Program profile A to F
SEND	Send settings to sensor
DEFAULT MODE A	Trim-High=100%,sensitivity=low,T1=30min,Standby Dim=50%, T2=∞,Photocell=CAL
DEFAULT MODE B	Trim-High=100%,sensitivity=low,T1=30min,Standby Dim=50%, T2=15min,Photocell=CAL
DEFAULT MODE C	Trim-High=100%,sensitivity=low,T1=30min,Standby Dim=50%, T2=15min,Photocell=OFF
DEFAULT MODE D	Trim-Low=50%,sensitivity=low,T1=30min,Standby Dim=50%, T2=30min,Photocell=CAL
DEFAULT MODE E	Manual Mode,Trim-High=100%
DEFAULT MODE F	Daylight Harvesting,Trim-Low=50%,sensitivity=low,T1=15min



MARKING


Keilton
External Low Voltage 3.5mm Audio Jack
High bay sensor
Input 12VDC, 8mA max, 0.1W.
Model#EFS07-AUX
Output 10VDC,
10mA max, 0.1W
Input/Output type:
Isolated Circuit,
Class 2,LED Class2
Output load type:
Specific load-0-10V
interface
c UL us
LISTED
E504054
LED CONTROLLER
DAMP LOCATION
FC
Made in China
06-22
The control circuit is not isolated-
see instructions.
Install Guide
PK
GND
PL
DIM-
YE
DC+


Keilton
External Low Voltage High bay sensor
Model# EFS07
-Z10
Input 12VDC,
8mA max,
0.1W.
Output
10VDC,
10mA max,
0.1W/Input
Output type:
Class2,LED
Class2
Output load
type:
Specific load
-0-10V
interface
PUR
PNK
YEL
c UL us
LISTED
E504054
LED CONTROLLER
DAMP LOCATION
Install Guide
FC
Made in China
06-22
The control circuit is not isolated-
see instructions.