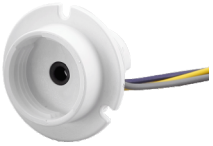
DATE: 08/30/2022 FIRMWARE: 1.4 ERP CODE: 10.00935
VERSION: 1.1 CATALOG#: C

LOW VOLTAGE EXTERNAL PHOTO/MICROWAVE MOTION SENSOR-EFSO6R



SC01

SC02

MODELS

EFS06R

SPECIFICATIONS AND FEATURES

Input Voltage:12V DC

Power Consumption: 1.5W

Dimming: 0-10V

Mounting Height: 40ft Max

Detection range: 46ft MAX

Warranty: Five years warranty

IP rate: IP65

Op.temperature: -22°F~131°F (-30°C~55°C)

PRODUCT OVERVIEW

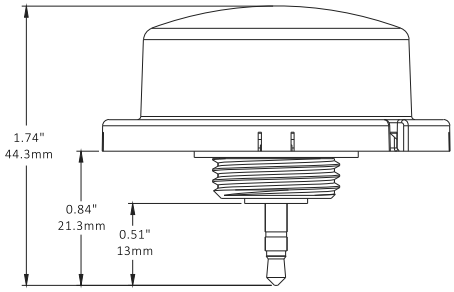
LOW VOLTAGE EXTERNAL PHOTO/MICROWAVE MOTION SENSOR-EFSO6R

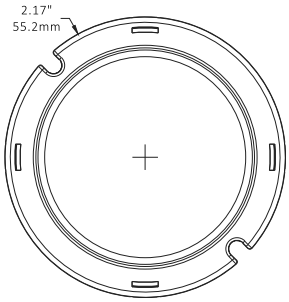
Features

- 0-10V Bi-level dimming control.
- 3.5mm Audio jack, save the installation cost at most.
- Operates on 12V DC which can be easily feed from a LED driver, saves OEM cost on manufacturer side.
- Perfectly fit in UFO high bays, area lights and wall packs that have limit to mount a external sensor.
- 6 modes, 10%-100% dimming level, 30"-30' delay time selectable allowed to customize your setting.
- IP65 rated for outdoor fixtures.Programs setup by a Remote controller (RM5I).

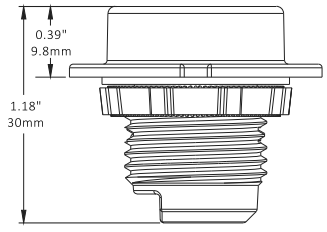
DIMENSION

Unit:mm/inch





SC01



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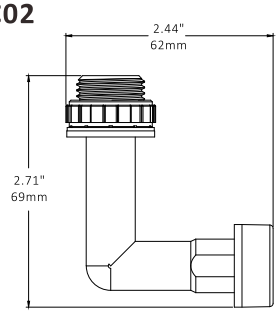
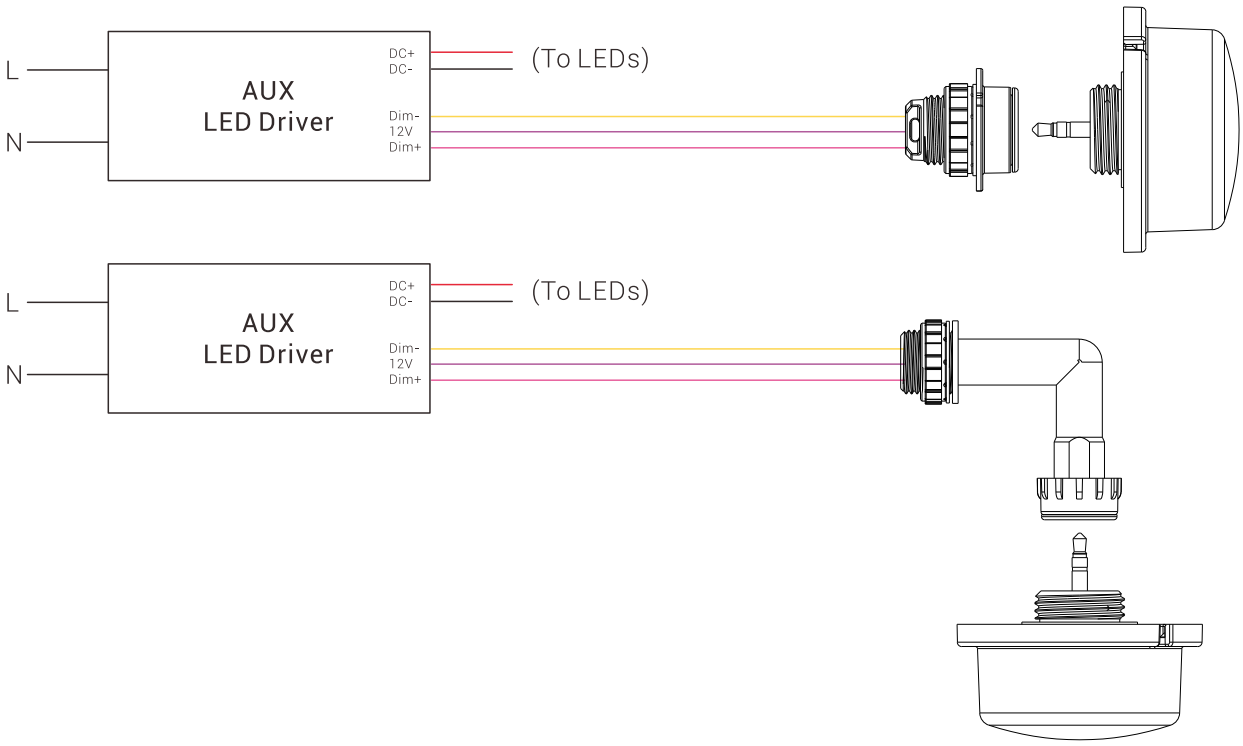
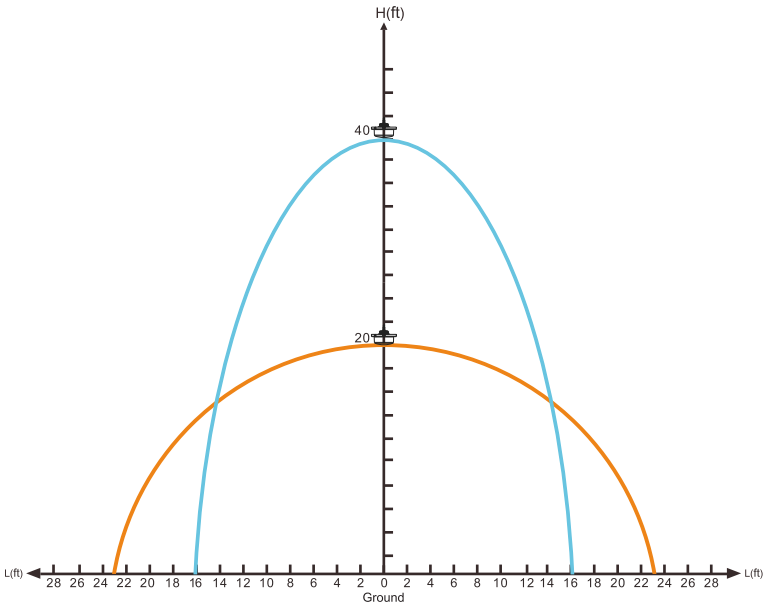
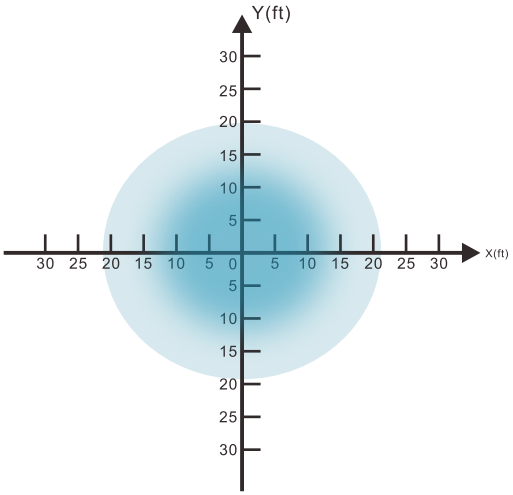


WIRING



COVERAGE





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.

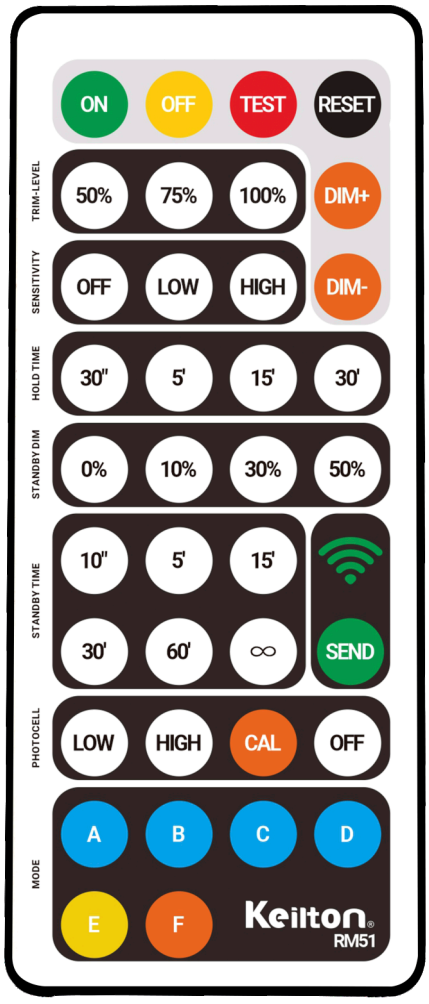
Continuous Adjustment Mode or Daylight Harvesting (F Mode)
Enables dimmability in response to daylight availability.

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.

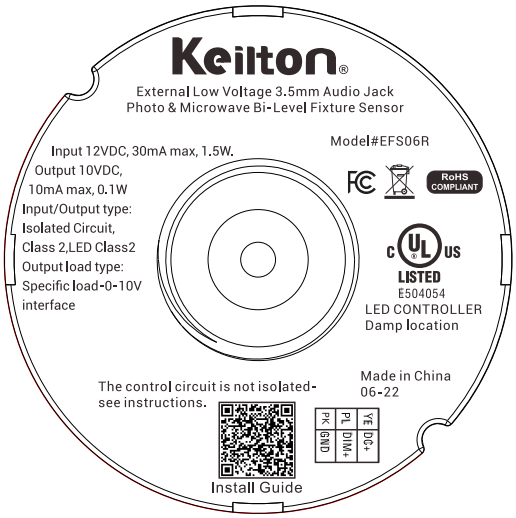
Reset Mode

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 stand by) 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	Stand by 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=30s,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
Photo & Microwave Bi-Level Fixture Sensor
Model#EFS06R
Input 12VDC, 30mA max, 1.5W.
Output 10VDC,
10mA max, 0.1W
Input/Output type:
Isolated Circuit,
Class 2,LED Class2
Output load type:
Specific load-0-10V
interface
RoHS COMPLIANT
c UL us
LISTED
E504054
LED CONTROLLER
Damp location
The control circuit is not isolated-
see instructions.
Made in China
06-22
PK
PL
YE
GND
DIM+
DC+
Install Guide