



IFS06R-AUX Series

Plug and Play Panel Sensor



PHOTOCELL VALUE			
LOW	HIGH	CAL	OFF
5FC	20FC	Configurable LUX	Disable

Description

The IFS06R-AUX is a PIR sensor with an integrated photocell and 2.5mm male audio connector, enabling easy plug-and-play integration for Luminaire Level Lighting Control (LLLC). A compact oval-shaped design allows the IFS06R-AUX to fit in various styles of luminaires.

Features

- Suitable for low profile luminaires
- Easy plug-and-play integration for Luminaire Level Lighting Control (LLLC)
- Operates on 12V DC supplied by a 0-10V dim-to-off LED driver
- Selectable modes for various applications via the RM51 remote controller
- Integrated photocell enables dusk-to-dawn operation independent of motion detection
- Auto-calibrates in Daylight Harvesting mode to reach target illumination by measuring combined natural and electric light

Requirements

- SC05 socket required

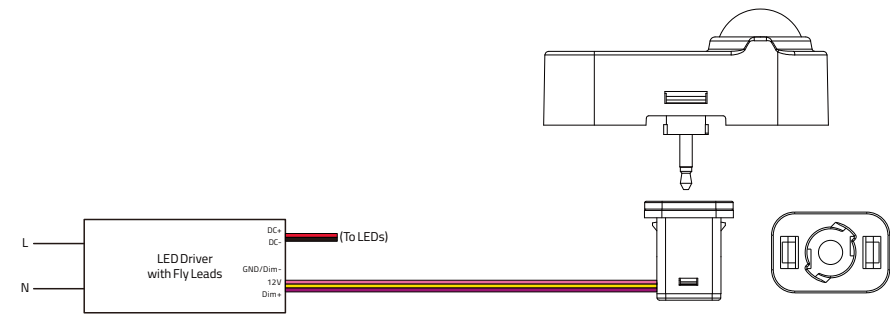
Specifications

Input Voltage	DC 12V
Input Current	15mA Max
Input Power	0.2W
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
Detection Range	32ft Max
Mounting Height	15ft Max
IR Remote Distance	Max 20' 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	IP20
Color	White
Warranty	5 years warranty
Compliance	UL8750, RoHS
Safety	cULus Listed LED Controller E504054

Ordering Information

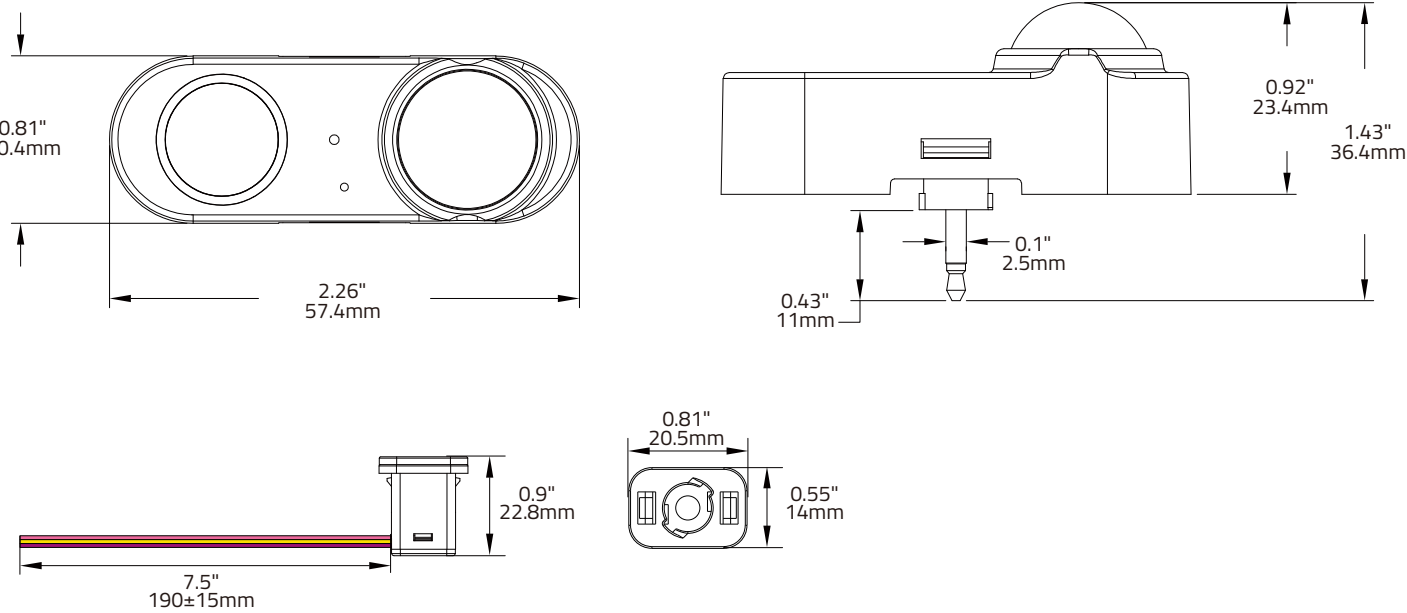
Model	Description
IFS06R-AUX.C1	Fixture Built-in Low Bay Sensor
SC05	Slim size audio jack receptacle for low bay application
LBL2	Low bay lens, Mount Height 15ft Max, coverage 32ft Max, For Minor Movement

Wiring



Dimensions

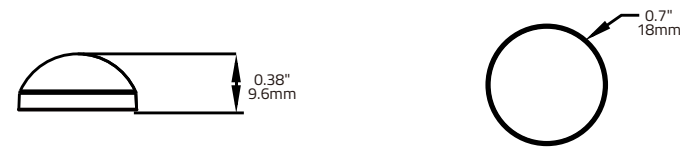
Unit:inch/mm



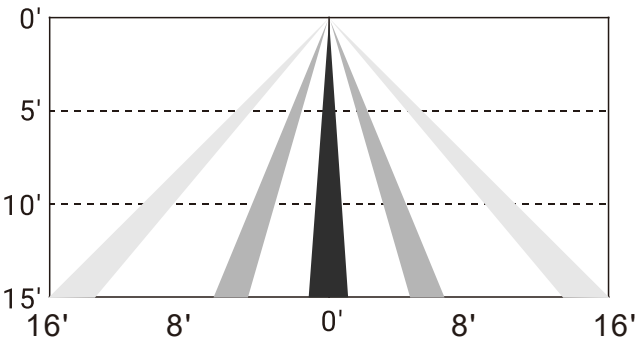
Dimensions - Accessories

Unit:inch/mm

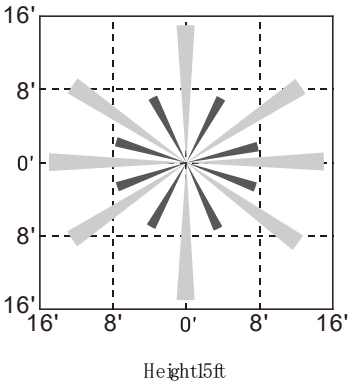
LBL2



Coverage Side View



Coverage Top View



Product Label

Keilton

Basic™

IFS06R-AUX.C1

Low Bay Sensor

UL

US

LISTED

Input:12VDC 15mA 0.2W

Output:10VDC 10mA 0.1W

Input Type Class 2

Output Type Class 2

Output Load Type Specific load- 0-10V

interface Damp locations

LED CONTROLLER

E504054

CE





Install guide

FC

RoHS COMPLIANT

AlgoH²

MADE IN CHINA
09-25

Remote Instructions

Memory Mode (Commissioning)

To begin commissioning, follow these steps:

1. Select a memory profile: A, B, C, D, or E.
2. The remote's indicator lights will flash, indicating the currently saved settings.
3. Settings can be configured by pressing the appropriate buttons in the highlighted gray area of the remote (TRIM-LEVEL, SENSITIVITY, HOLD TIME, STANDBY DIM, STANDBY TIME, and PHOTOCELL). Review the selected settings and make changes as needed.
4. Point the remote at the desired luminaire and press "SEND."
5. The luminaire will flash twice to confirm the settings are saved. Changing a parameter in a memory profile will automatically override previous settings.
6. If configuring multiple luminaires, repeat steps 4 and 5 after selecting the configured memory mode.

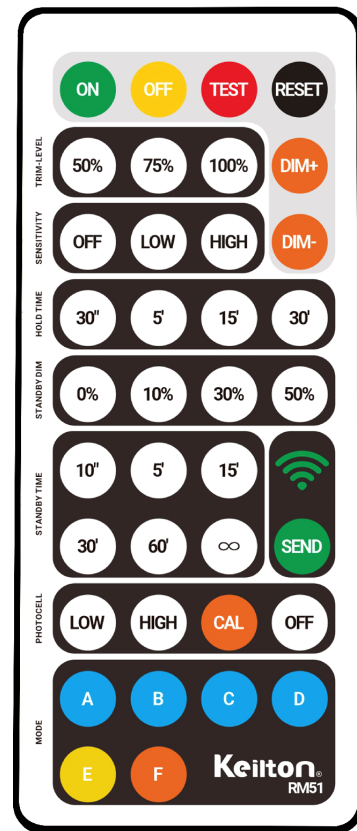
* **E Mode** allows for visual adjustment to choose the desired dimming level.

Daylight Harvesting (F Mode)

Continuous Adjustment Mode adjusts dimming levels based on daylight.

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

ON	Turns ON luminaires.
OFF	Turns OFF luminaires.
TEST	The fixture enters the test mode and exit automatically after 5 minutes, the test mode parameters are configured as follows: Trim-level: 100%, Sensitivity: HIGH, Hold time : 2s, Standby dim: 50%, Standby time: 2s.
RESET	Trim= 100% , Sensitivity = High , T1 = 5 min , Standby Dim = 30% , T2 = 60 min , Photocell = OFF .
DIM+/-	Press Dim+ or Dim- to adjust brightness in 0.5V increments. Hold the button for continuous dimming
TRIM-LEVEL	Set Maximum brightness.
SENSITIVITY	Set the motion sensitivity of the sensor LOW: 50% / HIGH: 100%, OFF: disable the motion detection function.
HOLDTIME	The duration that elapses without occupancy detection before transitioning to standby dim.
STANDBY DIM	Select any standby dim level.
STANDBY TIME	Standby time, when the time is set to "∞", the daylight detection function is activated.
PHOTOCELL	visible light threshold, the fixture is allowed to be turned on when it falls below the threshold LOW: 5fc / HIGH: 20fc, CAL: Collect the current visible light illuminance as the threshold, OFF: disable PHOTOCELL function.
MODE	Default configuration parameters for mode A to F .
SEND	Send settings to sensor.
DEFAULT MODE A	Trim= 100% , Sensitivity = Low , T1 = 30 min , Standby Dim = 50% , T2 = ∞ , Photocell = CAL .
DEFAULT MODE B	Trim= 100% , Sensitivity = Low , T1 = 30 min , Standby Dim = 50% , T2 = 15 min , Photocell = CAL .
DEFAULT MODE C	Trim= 100% , Sensitivity = Low , T1 = 30 min , Standby Dim = 50% , T2 = 15 min , Photocell = OFF .
DEFAULT MODE D	Trim= 50% , Sensitivity = Low , T1 = 30 s , Standby Dim = 50% , T2 = 30 min , Photocell = CAL .
DEFAULT MODE E	Manual Dimmer Mode, Trim= 100% .
DEFAULT MODE F	Daylight Harvesting, Trim= 50% , Sensitivity = Low , T1 = 15 min .



Contact Us

7001 Columbia Gateway Drive, Suite 210, Columbia, MD 21046, USA

T: +1 443-320-2233 (M-F 9am-5pm ET)

E: support@autani.com