

Keilton

Basic³²

IFS58-AUX Series

Integrated 12V Microwave Sensor with Photocell



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

fc = foot-candles (a unit of light level)

CAL = calibrate (use the current room light level as the threshold)

Description

The IFS58-AUX is a small microwave occupancy sensor with a photocell. It is for low-bay applications. The sensor uses microwave technology to detect motion. The photocell adjusts the lights based on the room light level. The sensor connects with a 2.5 mm audio jack. It works with 0–10 V DC dim-to-off LED drivers. Use the RM51 Remote Controller (sold separately) to set up the sensor.

Features

- Microwave motion sensing for low-bay applications
- Integrated photocell with four thresholds (5 fc / 20 fc / CAL / OFF)
- 2.5 mm audio jack connector for easy installation
- AlgoH² algorithm for accurate detection and low false-ON triggers
- Works with 0–10 V DC dim-to-off LED drivers
- Five default operating modes (A–E) for common applications
- Setup with RM51 Remote Controller (sold separately)

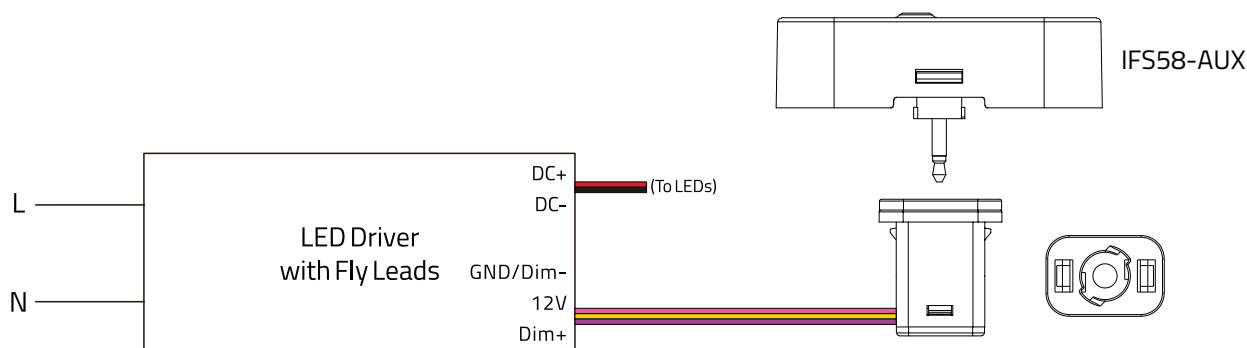
Specifications

Input Voltage	DC 12 V ± 1 V
Input Current	40 mA
Standby Power	0.5 W
Sinking Current	≤10 mA
Detection Range	45 ft max
Mounting Height	20 ft max
IR Remote Distance	20 ft max
Housing Material	UL 94-5VA
Indoor/Outdoor Use	Indoor use only
Operating Temperature	–30 °C to 55 °C (–22 °F to 131 °F)
Storage Temperature	–30 °C to 85 °C (–22 °F to 185 °F)
IP Rating	IP20
Color	White
Warranty	5-year warranty
Compliance	UL8750, RoHS
Safety	cULus Listed LED Controller LED Controller E504054

Ordering Information

Model	Description
IFS58-AUX.A0	Low-bay microwave occupancy sensor with photocell and 2.5 mm audio jack, for 0–10 V LED drivers
SC05	Slim size audio jack receptacle for low bay application

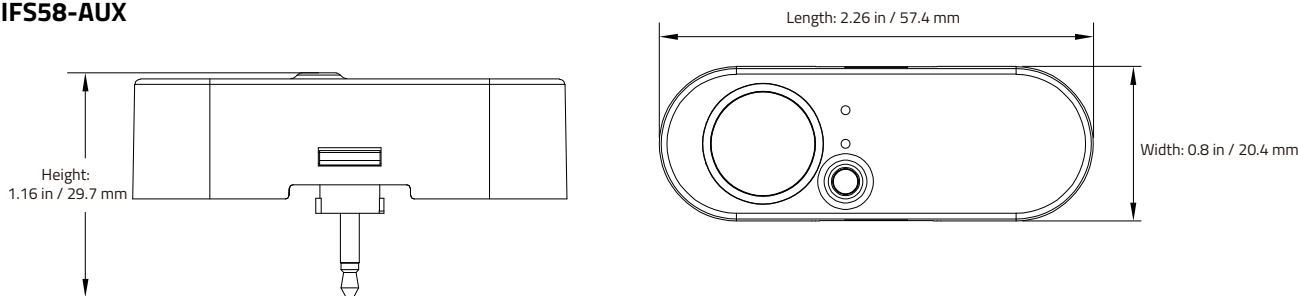
Wiring



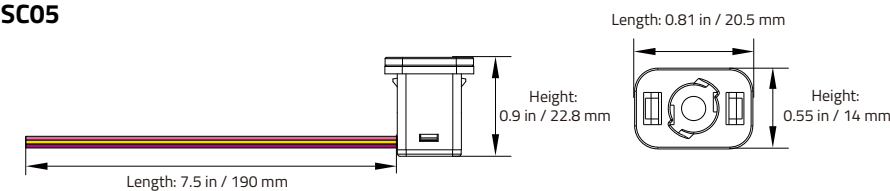
Dimensions

Unit:inch/mm

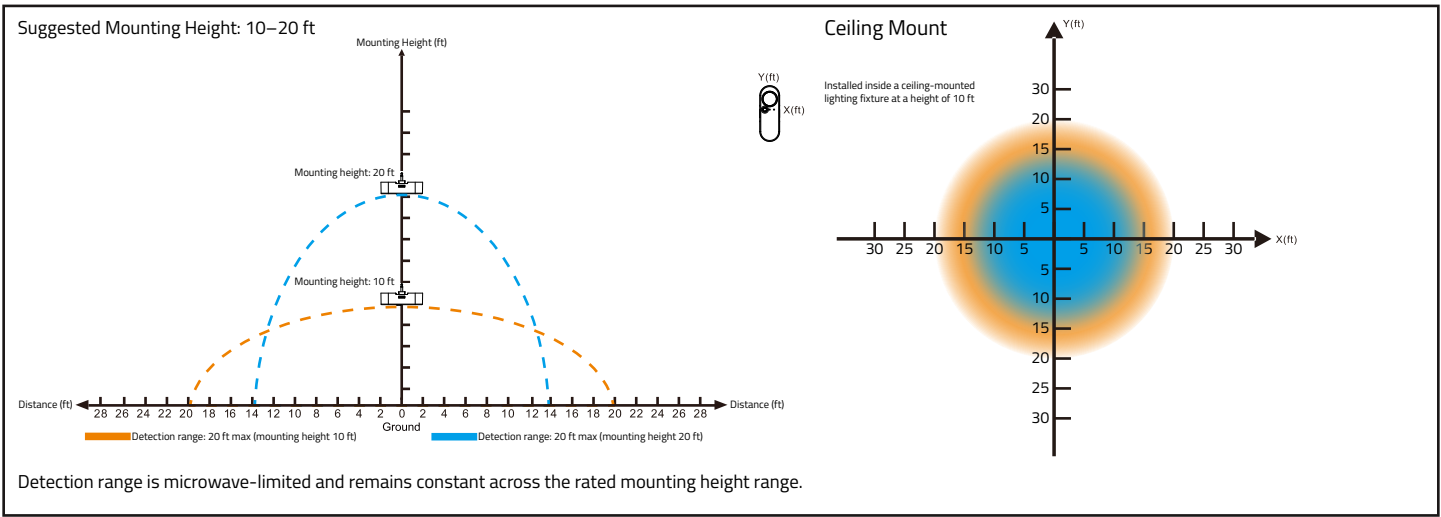
IFS58-AUX



SC05



Coverage



Product Label

Keiton
BasicTM

IFS58-AUX.A0
Low Bay Sensor

Input:12VDC 40mA 0.5W
Output:10VDC 10mA 0.1W

Input Type Class 2
Output Type Class 2

Output Load Type Specific load- 0-10V
interface Damp locations 06-26

 **LISTED**
E504054

LED CONTROLLER

 **RoHS COMPLIANT** 



Install guide

FC **AlgoH[®]**

FCC ID:2A26YIFS108
IC ID:33617-IFS108

Remote Instructions

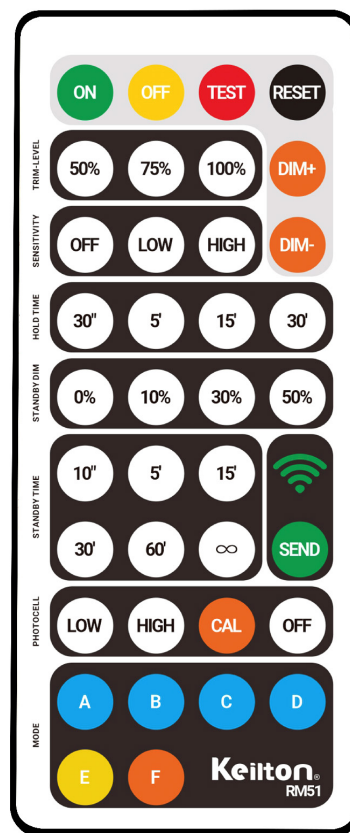
Memory Mode (Commissioning)

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.

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.
HOLD TIME	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 ∞ (infinity), 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: 5 fc / HIGH: 20 fc, CAL: Collect the current visible light illuminance as the threshold, OFF: disable PHOTOCELL function.
MODE	Default configuration parameters for mode A to E .
SEND	Send settings to sensor.
T1 = Hold Time (time before the sensor goes to standby dim level)" "T2 = Standby Time (time at standby dim level before the sensor goes off)	
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% .



Contact Us

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

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

E: sales@litetrace.com