

ARIA

Lighting Control
ARIA LITE | ARIA PLUS

eralux®

DATE

QTY

ACC. QTY

TYPE

PROJECT

PN

ACCESSORY PN

NOTES

Standalone
& fixture
installed



Photocell



Motion Sensor

Motion
Detection

Affordable &
Easy to
install

**ARIA
LITE**

Task
tuned



Day light
harvesting

Energy
saving

Experience lighting that flows as
naturally as the air you breathe.

Aria brings the freedom of
effortless, intuitive control to
your lighting system.
Aria adapts to your needs,
providing seamless
automation and personalized
lighting experiences.

Whether you choose Aria Lite
for simple, motion-activated
lighting, or Aria Plus for
advanced Bluetooth control and
scheduling, Aria is available for
any applications including low
bay, high bay, and ceiling mount.

Bluetooth
& Zone
Control



Personalize
and
Reconfigure



Zone Control



Schedule

Motion &
Switch
grouping

**ARIA
PLUS**

Lighting
Schedule



Autonomous
Lighting
Behavior



Day light
harvesting

ARIA LITE

ARIA LITE is a standalone lighting control solution that can be configured to different profiles for each fixture, utilize daylight harvesting, and task tuned to optimize occupant comfort and energy efficiency.

ARIA LITE controls are simple fixture installed controls that operate individually without Bluetooth

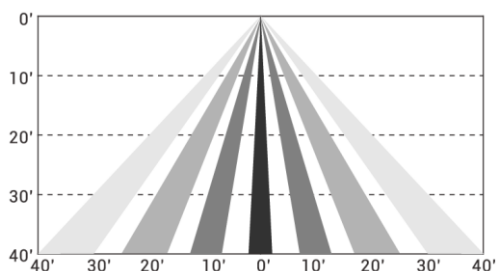
ORDERING CODE	DESCRIPTION	PICTURE	FEATURES
EFS07-AUX	PIR High Bay Occupancy Sensor - Indoor		PIR Daylight Harvesting
EFS07-AUX-W	PIR High Bay Occupancy Sensor - Outdoor		PIR Daylight Harvesting
IFS08-E2	Low Bay Occupancy Sensor		Microwave Daylight Harvesting
IFS06R RM51	Compact Commercial Sensor		PIR Daylight Harvesting
IWS02	Line Voltage Occupancy/Vacancy Wall Sensor Switch		PIR Daylight Harvesting

High Bay Sensor



PIR sensor combines occupancy sensing with photocell.

Compatible with high bays.



Parameters

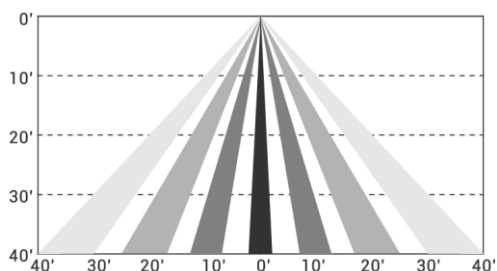
Input Voltage	12V
Input Current	8mA
Application	Indoor
Detection Range	40-80ft
Mounting Height	20-40ft
Operating Temperature	-30°C to 70°C
IP Rating	IP40
Installation	Plug-in – AUX base
Remote Controller	RM51
Control	On/Off 0-10V Dimming
Detection	PIR Daylight Harvesting

High Bay Sensor - Outdoor



PIR sensor combines occupancy sensing with photocell.

Compatible with high bays, wall packs, area lights and canopy lights.



Parameters

Input Voltage	12V
Input Current	8mA
Application	Outdoor
Detection Range	40-80ft
Mounting Height	20-40ft
Operating Temperature	-30°C to 70°C
IP Rating	IP66
Installation	Plug-in – AUX base
Remote Controller	RM51
Control	On/Off 0-10V Dimming
Detection	PIR DLH

Low Bay Sensor



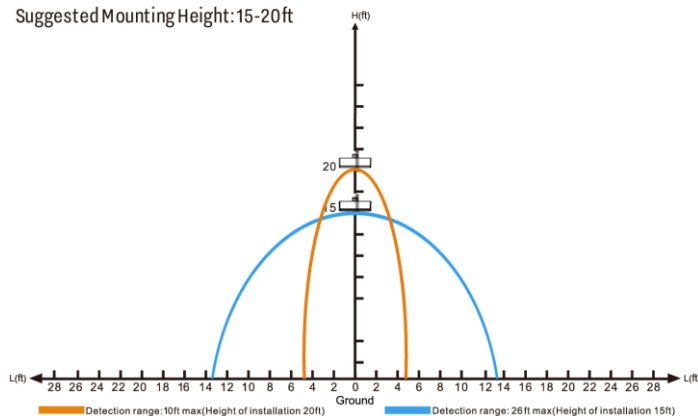
IFS08-E2



Compact-size microwave sensor combining occupancy sensing with photocell.

Compatible with strip lights and architectural linears.

Suggested Mounting Height: 15-20ft



Parameters

Input Voltage	12V
Input Current	40mA
Application	Indoor
Detection range	26ft max
Mounting Height	20ft max
Operating Temperature	-30°C to 55°C
IP Rating	IP20
Installation	Integrated into fixture
Remote Controller	RM51
Control	On/Off 0-10V Dimming
Detection	Microwave Daylight Harvesting

Commercial Sensor

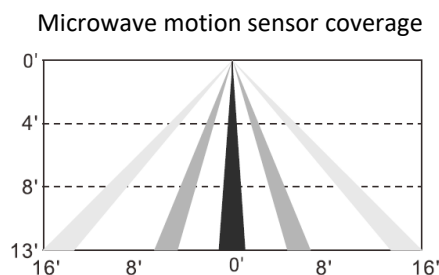


IFS06R



Compact PIR sensor combining motion detection with daylight control. It works with 0-10V dimming LED drivers to enable automatic lighting, turning fixtures on and off based on occupancy and available daylight.

Compatible with flat panels and troffers.



Parameters

Input Voltage	12V
Input Current	9mA
Application	Indoor Outdoor
Detection Range	32ft max
Mounting Height	15ft max
Operating Temperature	-30°C to 65°C
IP Rating	IP20
Installation	Plug-in – BH4 base
Remote Controller	RM51
Control	0-10V Dimming
Detection	PIR Daylight Harvesting

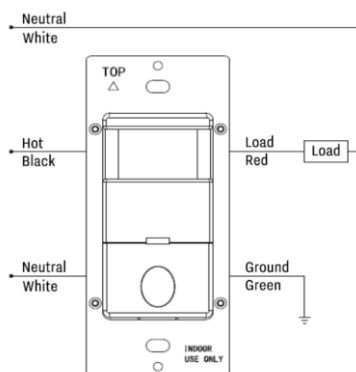
Control System

ARIA LITE | Occupancy and Vacancy Sensor Switch

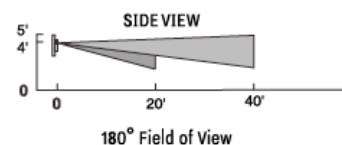
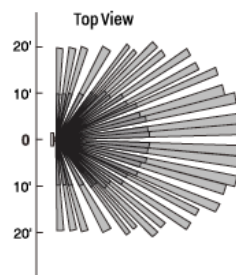
Wall Switch



PIR sensor switch that detects human motion by sensing heat signature versus background. The sensor switch turns on the load when motion is detected. The load turns off automatically after no motion is detected for a set time. The sensor has one relay and includes Ambient Light Level Sensor.



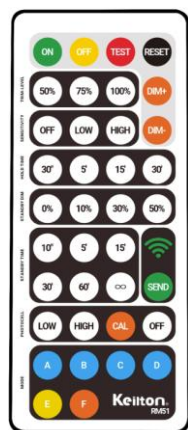
Parameters	
Input Voltage	120-277V Line voltage
Application	Indoor
Operating Temperature	0°C to 55°C
IP Rating	IP20
Detection Range	1200ft ² max
Detection	PIR DLH
Power Type	Occupancy/Vacancy



Remote Control



The RM51 Remote is used to control the Aria Lite motion sensors.



Parameters	
Default Mode (Reset)	Motion → 100%, No Motion ≥ 5 min → DIM to 30%, No Motion ≥ 60 min → Off.
DIM+ / DIM-	Control the dimming of the fixture
Trim Level	Set maximum threshold value at 50%, 75%, or 100%.
Sensitivity	OFF (PIR OFF, Enter PC ON/OFF function) / LOW 50% / HIGH 100%
Hold Time	Time of no occupancy after the fixture goes to standby: 30s / 5 min / 15 min / 30 min
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.

ARIA PLUS 

A Bluetooth-controlled LED light fixture with motion sensors and scheduling offers both convenience and energy efficiency. Users can wirelessly control the lights via Bluetooth using a smartphone app (Kielton + Autoni) and program lighting schedules for automatic on/off at set times. Bluetooth systems have a lower labor cost compared to wired lighting solutions due to wireless communications between the switch and sensors. Depending on occupancy patterns, available natural light and lighting schedule, savings from less energy use may be as high as 65%. This system is ideal for residential, commercial, and industrial settings, providing smart lighting solutions and energy savings.

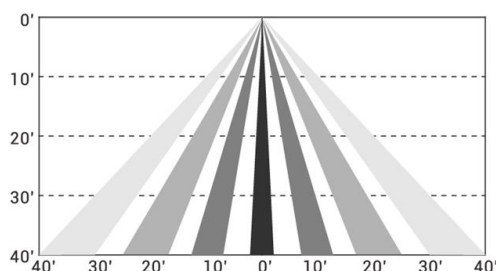
ORDERING CODE	DESCRIPTION	PICTURE	FEATURES
EFS106-AUX	Plug-In High Bay Sensor - Indoor		PIR DLH
EFS106-AUX-W	Plug-In High Bay Sensor – Outdoor		PIR DLH
MWS105E	Low Bay Occupancy Sensor		Microwave DLH
EFS107	Dual-Tech Ceiling Mount Sensor		PIR Ultrasonic DLH
EFS107E	Dual-Tech Ceiling Mount Sensor (Daisy Chain)		PIR Ultrasonic DLH
CS107S	Line-Voltage Occupancy/Vacancy Sensor		PIR DLH
IW102	Line Voltage Occupancy/Vacancy Sensor Wall Switch		PIR DLH
PPA104S	Zone Controller		
WP1025	5-Key Wall Switch		
CR01-ETC	USB Dongle for Real-Time Clock		

High Bay Sensor



The EFS106-AUX low-voltage high bay sensor is ideal for Luminaire Level Lighting Control (LLLC/NLC5) applications. The AlgoH2 algorithm enhances performance.

Compatible with high bays.



Parameters

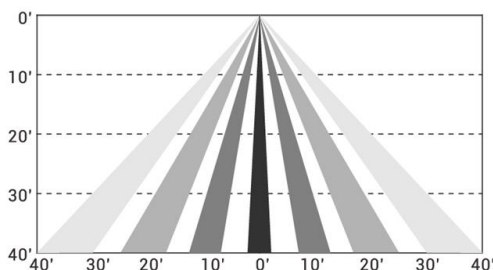
Input Voltage	12V
Input Current	50mA max
Application	Indoor
Detection Range	40-80ft
Mounting Height	20-40ft
Bluetooth Range	100ft max
Operating Temperature	-30°C to 55°C
IP Rating	IP40
Installation	Plug-in – AUX base
Control	On/Off with Dimming DLH Schedule lighting Bluetooth
Detection	PIR

High Bay Sensor - Outdoor



The EFS106-AUX-W low-voltage high bay sensor is ideal for Luminaire Level Lighting Control (LLLC) applications, particularly outdoor environments. The AlgoH2 algorithm enhances performance.

Compatible with high bays, wall packs, area lights



Parameters

Input Voltage	12V
Input Current	50mA max
Application	Outdoor
Detection Range	40-80ft
Mounting Height	20-40ft
Bluetooth Range	328ft max
Operating Temperature	-30°C to 55°C
IP Rating	IP66
Installation	Plug-in – AUX base
Control	On/Off with Dimming DLH Schedule lighting Bluetooth
Detection	PIR

Control System

ARIA PLUS | Mesh Connection | Bluetooth

Low Bay Sensor



This sensor extends the capabilities of a host controller device by providing microwave occupancy detection with adjustable sensitivity inputs. It is designed to operate with the FA102 Bluetooth low-voltage luminaire controller.

Parameters	
Input Voltage	12V
Input Power	0.1W
Application	Indoor
Detection Range	20-40ft
Mounting Height	8-20ft
Operating Temperature	-30°C to 55°C
IP Rating	IP20
Installation	Integrated into fixture
Controls	DLH Needs FA102
Detection	Microwave Occupancy

Features

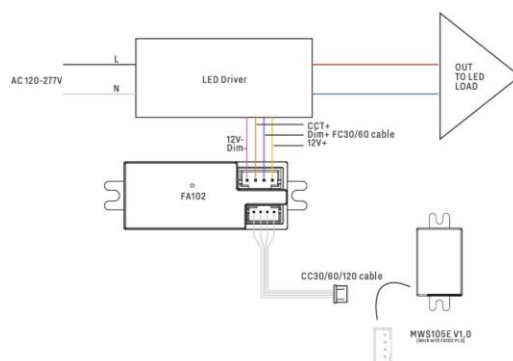
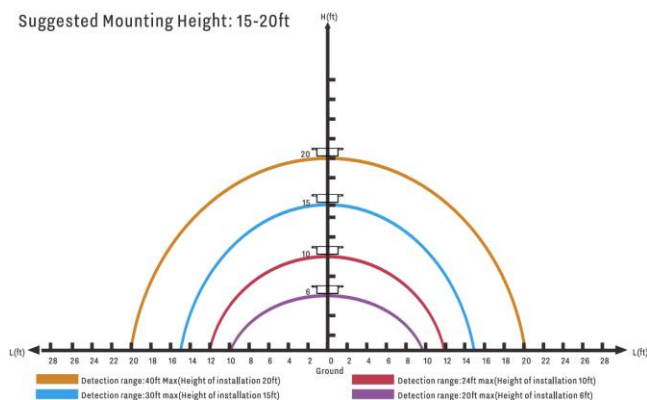
Supports setting a delay time and bi-level dimming

Sensitivity adjustment from 0-100%



The FA102 Integrated Fixture Adapter is designed for integration into luminaires to provide Luminaire Level Lighting Control (LLLC) capabilities in a miniature design with integrated "sensor-ready" functionality.

Parameters	
Input Voltage	12V
Input Power	0.5W
Output Voltage	0-10V
Application	Indoor
Bluetooth Transmit	200ft max
Operating Temperature	-30°C to 55°C
IP Rating	IP20
Installation	Integrated into fixture
Signal	Bluetooth
Bluetooth Transmit	200ft
Control	On/Off with Dimming Schedule lighting



Room Sensor



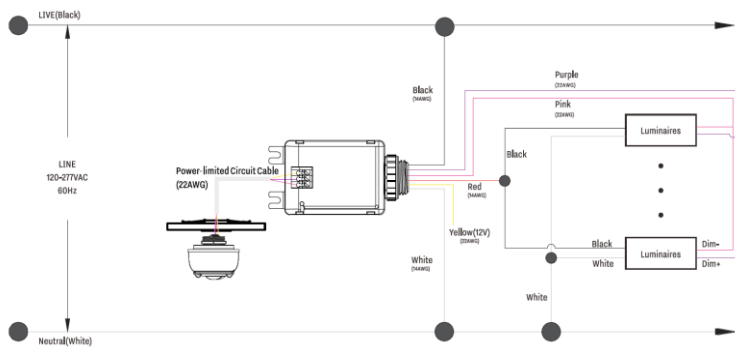
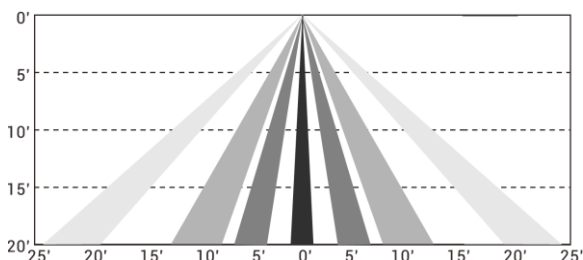
The EFS107 is a low-voltage, dual-tech ceiling mount room sensor with an easy installation that combines PIR and ultrasonic technologies to provide high accuracy and wide coverage.

Parameters	
Input Voltage	12V
Application	Indoor / Outdoor
Detection Range	50ft max
Mounting Height	20ft max
Bluetooth Transmit	200ft max
Operating Temperature	-30°C to 55°C
IP Rating	IP66
Installation	Ceiling (2.2" cutout)
Control	On/Off with Dimming DLH Schedule lighting Bluetooth (PPA103S)
Detection	PIR Ultrasonic



The PPA103S is a power pack that provides 12V DC output to power sensors and switching for non-dim-to-off LED drivers. The PPA103S also provides a 0-10V dimming wire for bi-level motion control and a 6A relay output.

Parameters	
Input Voltage	120-347V
Output	360W 12V DC 200mA
Application	Indoor
Bluetooth Transmit	200ft max
Operating Temperature	-30°C to 55°C
IP Rating	IP20
Installation	Flat Surface
Knockout	½ inch US standard



Room Sensor (DAISY CHAIN) – 720W



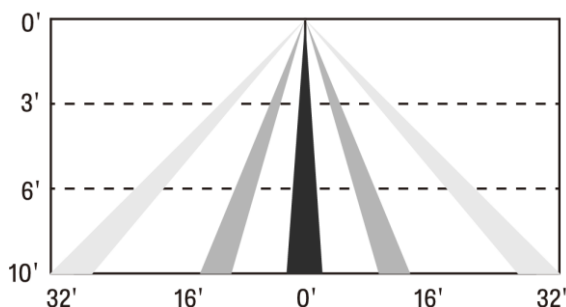
EFS107E

The EFS107E is a low-voltage, dual-tech ceiling mount room sensor that combines PIR and ultrasonic technologies in a Daisy Chain system to provide high accuracy and wide coverage.

Parameters	
Input Voltage	12V
Application	Indoor
Mounting Height	10ft max
Bluetooth Transmit	200ft max
Operating Temperature	-30°C to 55°C
IP Rating	IP20
Installation	Mounted to junction box
Control	On/Off with Dimming DLH Schedule lighting Bluetooth (PPA102S)
Detection	PIR Ultrasonic

Connection Accessories

AE-CTRL-RTP
AE-CTRL-CAT-RXX



PPA102S



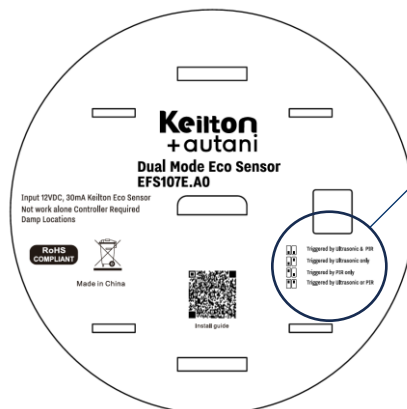
The PPA102S is a Bluetooth Fixture Controller enabling seamless connection of luminaires to wireless control for integration with a control system.

Parameters	
Input Voltage	120-277V
Output Power	720W
Application	Indoor
Bluetooth Transmit	200ft max
Operating Temperature	-30°C to 65°C
IP Rating	IP20
Installation	Flat Surface
Knockout	½ inch US standard

Features

High-efficiency switching power supply and a 6A relay

Daisy chain connection



Back of the sensor:
Disable/ enable PIR
or ultrasonic sensor

Control System

ARIA PLUS | Mesh Connection | Bluetooth

Room Sensor (DAISY CHAIN) – 2400W

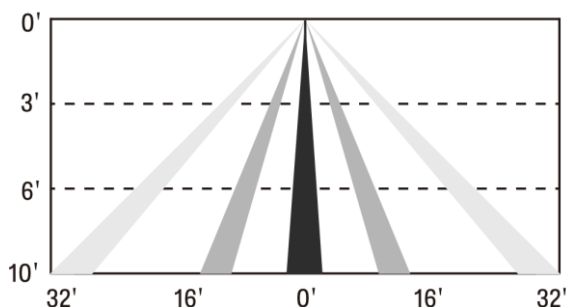


The EFS107E is a low-voltage, dual-tech ceiling mount room sensor that combines PIR and ultrasonic technologies in a Daisy Chain system to provide high accuracy and wide coverage.

Parameters	
Input Voltage	12V
Application	Indoor
Mounting Height	10ft max
Bluetooth Transmit	200ft max
Operating Temperature	-30°C to 55°C
IP Rating	IP20
Installation	Mounted to junction box
Control	On/Off with Dimming DLH Schedule lighting Bluetooth (PPA104S.B1)
Detection	PIR Ultrasonic

Connection Accessories

AE-CTRL-RTP
AE-CTRL-CAT-RXX



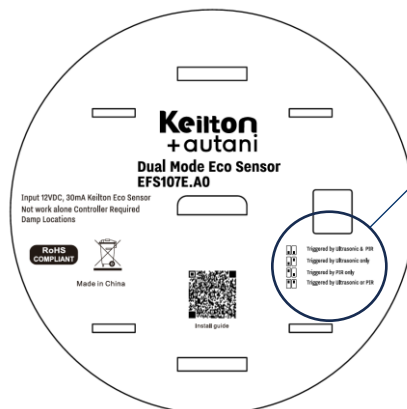
The PPA104S.B1 is a Bluetooth zone controller featuring a 20A relay for controlling higher capacity loads than standard fixture controllers.

Parameters	
Input Voltage	120-277V
Output Power	2400W
Application	Indoor
Bluetooth Transmit	200ft max
Operating Temperature	-30°C to 55°C
IP Rating	IP20
Installation	Flat Surface
Knockout	½ inch US standard

Features

High-efficiency switching power supply and a 6A relay

Daisy chain connection



Back of the sensor:
Disable/ enable PIR
or ultrasonic sensor

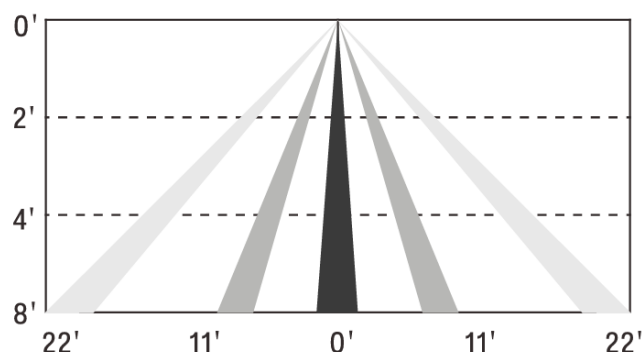
Room Sensor



Parameters

Input Voltage	CR123A 3V battery
Application	Indoor
Detection Range	1200 ft ²
Mounting Height	8-10ft
Bluetooth Transmit	200ft max
Operating Temperature	-30°C to 55°C
IP Rating	IP20
Installation	Ceiling
Control	DLH Bluetooth Schedule lighting
Detection	PIR Occupancy Vacancy

BCS107 is a battery powered, Bluetooth wireless ceiling mount sensor for use with the Keilton+autani wireless network system. It provides occupancy sensing and Daylight Harvesting.



Features

Up to 10 years battery life included

PIR occupancy sensing + Daylight Harvesting

Occupancy/Vacancy sensor control

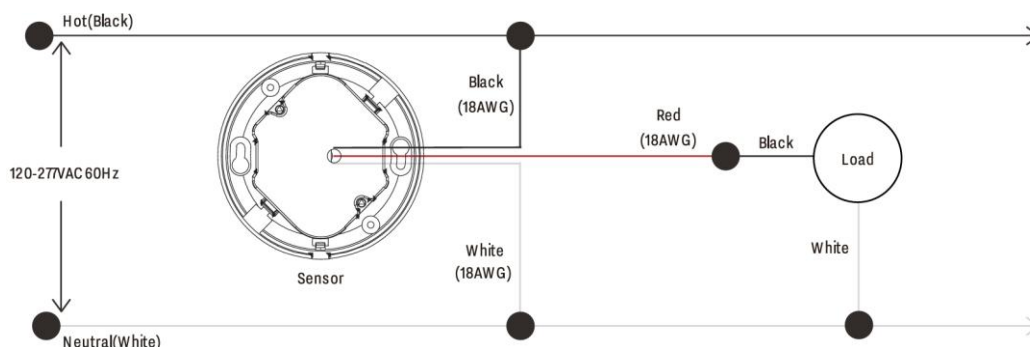
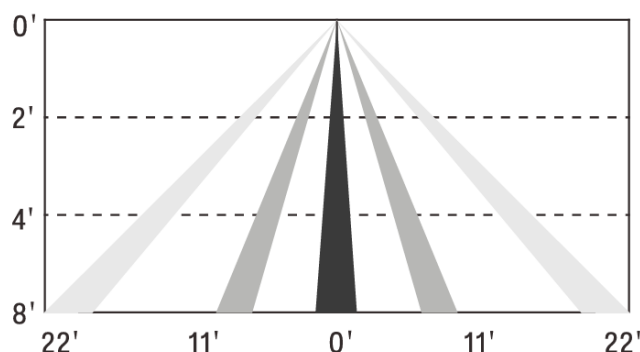
Room Sensor



Parameters

Input Voltage	120-277V Line-voltage
Application	Indoor
Output Power	800W @ 120V
Detection Range	1200 ft ²
Mounting Height	8-10ft
Bluetooth Transmit	100ft max
Operating Temperature	0°C to 55°C
IP Rating	IP20
Installation	Ceiling
Control	On/Off without dimming DLH Bluetooth Schedule lighting
Detection	PIR Occupancy Vacancy

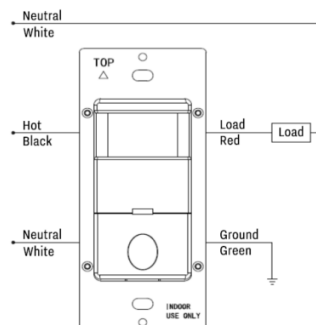
The CS107S is a line-voltage PIR occupancy/vacancy sensor with an integrated photocell that provides an adjustable ambient light "Hold-OFF" feature.



PIR Sensor Switch



The IWS102 series passive infrared (PIR) sensor switch detects human motion by sensing heat signature versus background. The sensor switch turns on the load when motion is detected. The load remains on during occupancy detection and turns off automatically after no motion is detected for a set time.



Parameters

Input Voltage	120-277V Line-voltage
Application	Indoor
Operating Temperature	0°C to 55°C
IP Rating	IP20
Control	Hold-Off function DLH Bluetooth
Detection	PIR Occupancy/vacancy

Wall Switch



The WP1025 is a 5-Key Battery-Powered Bluetooth Wall Switch battery-powered Bluetooth wireless wall switch that offers seamless control over your devices. It enables various functions, including ON/OFF, DIM+/DIM- for brightness adjustment, AUTO for automated control, and three customizable scene settings



Parameters

Input Voltage	3V
Application	Indoor
Operating Temperature	0°C to 30°C
IP Rating	IP20
Installation	Flat Surface

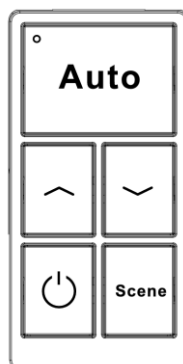
Features

Bluetooth 5.0 network technology enables the switch to be linked to one or more light groups via the Keilton + Autani app

3-scene scroll button

Separate DIM+/DIM-, ON/OFF, AUTO buttons

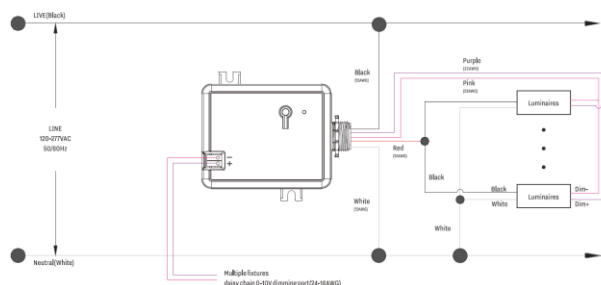
One group is assigned to one switch



Zone Controller



The PPA104S Series Bluetooth zone controller features a high-efficiency power supply and a 20A relay for controlling higher capacity loads than standard fixture controllers.



Parameters

Input Voltage	120-277V
Input Power	2400W @ 120V 5540W @ 277V
Output Current	20A Max
Dimming	Class 2, 0-10V
Bluetooth Transmit	200ft Max
Application	Indoor
Operating Temperature	-30°C to 55°C
IP Rating	IP20
Installation	Flat Surface
Knockout	½ inch US standard
Control	On/Off with Dimming Schedule lighting

External 0-10V dimming port allows sink current 48.5 mA

USB Dongle



The CR01 series USB dongles elevate the capabilities of a Keilton + Autani Bluetooth mesh network zone. Integrating a Real-Time Clock (RTC) and powered by a USB-A receptacle with backup power from the integrated CR2032 battery, both versions synchronize all devices within the zone, facilitating precise and consistent scheduling across the entire system. A raw log of energy consumption data is recorded every 15 minutes. The data is then collected and analyzed to generate usage report, empowering users with valuable insights into their energy usage.

Parameters

Input Voltage	5V
Input Current	500mA Max
Bluetooth Transmit	100ft Max
Application	Indoor
Operating Temperature	-30°C to 55°C
IP Rating	IP20
Receptacle	USB-A

Features

Embedded RTC to sync all devices in one zone

Includes an internal battery to keep time during a power outage

Records energy consumption raw log in SIM Card (not included)

Add lights,
commission

Input the rated
power for lights

Add CR01 energy
monitoring dongle

Collect raw energy
log periodically

Export energy report

CAPACITY LIMIT

Luminaires	Up to 100 lights (nodes) per zone. Unlimited zones available with each zone having its own sharable QR code with commands and setting info assignable for administrative or user level.
Luminaire / Group	A light can be a member of up to 20 groups.
Scene	Up to 32 scenes can be set to a light. Up to 127 scenes can be set to a zone.
Schedule	Up to 32 schedules can be set to a zone.
Switch	Up to 32 switches can be set to a zone. Note: switches and lights are calculated separately. Adding switches to a zone does not affect the maximum number of lights.

DAY LIGHT HARVESTING SETTINGS

DH Min Dim(%)	The minimum light level that daylight harvesting sensor can dim a luminaire to.
Delay Time (s)	The time the sensor will wait to dim down the luminaire when ambient light has gone up.
Speed (100ms)	How quick the sensor should dim the luminaire.

MOTION SENSOR MODES

Occupancy Mode	Auto turns on when motion is detected and auto turns off when T1/T2 timeout.
Vacancy Mode	Auto turns off when T1/T2 timeout, lights must be manually turned on with switch.
Note	T1 and T2 time delays may be set to infinite to prevent lights from turning off.

MOTION SENSOR SETTINGS

1 st Time Delay (T1)	How long the fixture turns on when motion is detected.
2 nd Time Delay (T2)	How long the fixture stays on after no motion is detected (after T1 ends).
Dim Level (%)	The dim level for the fixture during T2.