Sensing Control
Product Guide

LEVITON®

Service and Support During Every Step of the Process.

Only Leviton has the service and support to help you create a lighting control system that does exactly what you want it to do while saving electricity, meeting codes and standards, and even garnering rebates.

Exclusive Support Resources:

- **Occupancy sensor layout services** - have a team of experts create occupancy sensor layouts at no cost to you directly on your CAD drawings, complete with a List of Equipment within an average turnaround time of 3 business days*— go to **portal.leviton.com**

- **Dollars & Sensors™** - get an accurate estimate of your energy-savings potential with this exclusive payback analysis tool— go to **www.dollarsandsensors.co**m

- **ez-Learn** - get sensor smart in just 90 minutes from the comfort of your home or office with this exclusive 24/7 online training — go to **www.leviton.com/ezlearn**

- **Lighting control specialists** at your disposal

- **Field service engineers** for top-level support

- **Factory commissioning service**

- **Dedicated technical support** via phone at **800 959-6004**

* Average turnaround time based on projects for up to 200 sensors per system.

Smart Wallbox Sensors

Smart Wallbox Sensors combine occupancy/vacancy sensing with 0-10V dimming or ON/OFF switching control to deliver a simple solution for easy energy savings, local control and code compliance. Enable and configure additional features with the Smart Sensor App.

Smart Wallbox Sensors offer easy programming and configuration. This includes an out-of-the-box default mode for auto-ON/auto-OFF operation with a 10-minute timeout as well as convenient pushbutton programming for common room settings. The Smart Sensor App can also be used to configure and enable additional features like sensor sensitivity, timeouts, daylighting and more.

| Smart Wallbox Sensors				
Description	**Cat. No.**	**Color ***	**Rating**	**Coverage**
Smart **PIR** 0-10V Dimming Wallbox Sensor	ODD10-ID	W, I	General Purpose @ 120V: 10A General Purpose @ 277V: 10A LED/Electronic Ballast @ 120V: 8A LED/Electronic Ballast @ 277V: 5A Standard Ballast @ 120V, 277V: 10A Tungsten @ 120V, 277V: 6.67A Motor @ 120V: 1/4HP (FLA 5.8A) Motor @ 277V: 1/3HP (FLA 3.0)	180°, 1100SF (102SM)
Smart **PIR** 24V Dimming Wallbox Sensor	ODD24-ID	W	12-24VDC	
Smart **PIR** Wall Switch Sensor	ODS15-ID	W, I	General Purpose @ 120V, 277V: 20A LED/Electronic Ballast @ 120V, 277V: 10A Standard Ballast @ 120V, 277V: 10A Tungsten @ 120V, 277V: 6.67A Motor @ 120V: 1/4HP (FLA 5.8A) Motor @ 277V: 1/3HP (FLA 3.0)	
Smart **PIR** Wall Switch Sensor	ODS15-I1	W, I	General Purpose @ 120V: 20A LED/Electronic Ballast @ 120V: 10A Standard Ballast @ 120V: 10A Tungsten @ 120V: 6.67A Motor @ 120V: 1/4HP (FLA 5.8A)	

ODD10/ODD24

ODS15

* Color Change Kits available for Black, Red, Gray, Light Almond and White.
Leviton sensors meet the following applicable agency listings: UL, cUL, FCC, and ICC.
See product data sheets for specific listings.

Major motion coverage 1100ft^2 (102m^2)

Minor motion coverage 400ft^2 (37.2m^2)
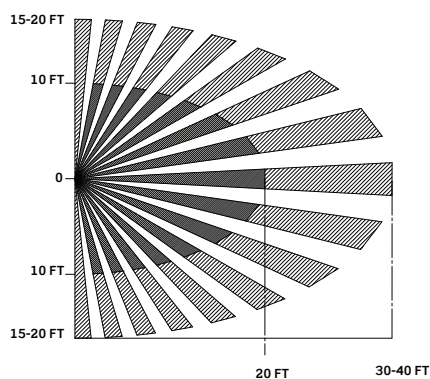
Horizontal Beam Diagram
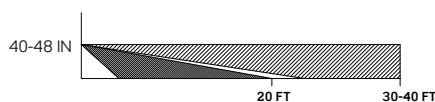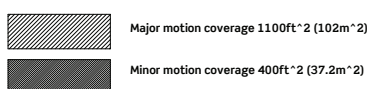
Vertical Beam Diagram

Field-of-View

Decora® Wall Switch PIR Occupancy and Vacancy Sensors

Decora® Residential Grade Wall Switch Infrared Occupancy and Vacancy Sensors

Description	Cat. No.	Color	Rating
Decora Wall Switch **PIR** Occupancy Sensor, Single-Pole, 180° Field of View, 900SF (83.61SM) coverage	IPS02-1L	W, I, T, B, E, G	300W Incand/FL Ballast 150W LED/CFL, 1/6 HP Motor
Decora Wall Switch **PIR** Vacancy Sensor, Single-Pole, 180° Field of View, 900SF (83.61SM) coverage	IPV02-1L	W,T	
Decora Wall Switch **PIR** Occupancy Sensor, Single-Pole, 180° Field of View, 900SF (83.61SM) coverage	IPS05-1L	Z	600W Incand/FL Ballast 150W LED/CFL, 1/6 HP Motor
Decora Wall Switch **PIR** Vacancy Sensor, Single-Pole, 180° Field of View, 900SF (83.61SM) coverage	IPV05-IL		
Decora Wall Switch **PIR** Occupancy Sensor, Single-Pole or 3-Way, 180° Field of View, 900SF (83.61SM) coverage	IPS06-1L	W	600W Incandescent, 150W LED/CFL
Decora Wall Switch **PIR** Dimming Occupancy Sensor, Single-Pole or 3-Way, 180° Field of View, 900SF (83.61SM) coverage	IPSD6-1L	Z	
Decora Wall Switch **PIR** Dimming Vacancy Sensor, Single-Pole or 3-Way, 180° Field of View, 900SF (83.61SM) coverage	IPVD6-1L		
Decora Wall Switch Relay Occupancy Sensor, Single-Pole or 3-Way, 180° Field of View, 900SF (83.61SM) coverage, neutral required	IPS15-1L		1800W Incandescent, 600W LED/CFL, 1800VA Fluorescent Ballast, 1/2 HP
Decora Wall Switch Relay Vacancy Sensor, Single-Pole or 3-Way, 180° Field of View, 900SF (83.61SM) coverage, neutral required	IPV15-1L		
Sensor Remote, 120V AC, Manual-ON, Auto-OFF for use with IPS15 or IPV15 Sensor	IPV0R-1L	Z	No Load Rating

Z — Comes packaged with three colors: White, Ivory and Light Almond.
Leviton sensors meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM.
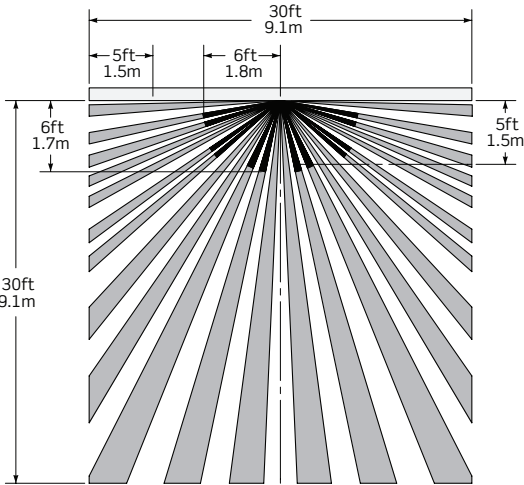See product data sheets for specific listings.

IPS05-1L

IPVD6-1L

Decora® Residential Grade Wall Switch Humidity Sensor and Fan Control

Description	Cat. No.	Color	Rating
Humidity Sensor & Fan Control	IPHS5-1L	W, I,T	600W Incandescent, 150W LED/CFL 400VA MLV/Fluorescent, 1/6 HP (3A) Fan

IPHS5-W

Field-of-View (Horizontal)
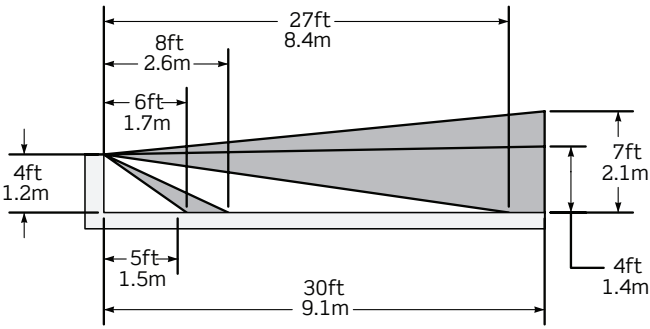
Field-of-View (Side, Vertical)

Decora® Wall Switch PIR Occupancy and Vacancy Sensors

Decora® Commercial Grade Wall Switch PIR Occupancy and Vacancy Sensors*

Description	Cat. No.	Color **	Rating	Coverage
Decora Wall Switch **PIR** Occupancy Sensor	ODS06-ID ODS06-IN	W, I	Incandescent: 600W @ 120V, LED Fluorescent: 800VA @ 120V 1500VA @ 277V, 50/60Hz Motor: 1/4 HP @ 120V	180°, 2100SF (195.10SM)
Decora Wall Switch **PIR** Occupancy Sensor 347V Only Model	ODS10-I3	W	Incandescent: 3470W @ 347V LED Fluorescent: 3470W @ 347V, 50/60 Hz Motor: 1/4HP @ 347V	
Decora Wall Switch **PIR** Occupancy Sensor	ODS10-ID	W, I, T, G, E, R	Incandescent: 800W @ 120V LED Fluorescent: 1200VA @ 120V, 2700VA @ 277V, 50/60Hz Motor: 1/4HP @ 120V	
Decora Wall Switch **PIR** Vacancy Sensor	ODS10-TD	W, I, T		
Decora Wall Switch **PIR** - Occupancy Sensor, Auto-ON/Auto-OFF Only Model	ODS10-IQ	W, I, E		
Decora Dual-Relay Wall Switch **PIR** Occupancy Sensor with Self-Adaptive Technology Default setting = Conference Room Mode*** Alternate setting = Classroom mode****	ODS0D-ID	W, I, T, G, E, R	Primary Relay– LED Fluorescent: 1200VA @ 120V, 2700VA @ 277V; Incandescent: 800W @ 120V Secondary Relay– LED Fluorescent: 800VA @ 120V, 1200VA @ 277V; Incandescent: 800W @ 120V. 50/60Hz	
Protective Cage for Wall Switch Sensors	OSWWG-P0W	—	—	—

*Consult with factory for 208, 220, 230, and 240V load ratings.
**Add to end of catalog number suffix for color of switch: White (W), Ivory (I), Light Almond (T), Gray (G), Ebony (E) and Red (R) available on select models.
Wallplates sold separately.
***In Conference Room Mode, both primary and secondary relays respond to ambient light override.
****In Classroom Mode, primary relay responds only to ambient light override
Leviton sensors meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM. See product data sheets for specific listings.

ODS06-INW/ODS06-IDW
ODS10-IDW/ODS15-IDW

ODS0D-IDW

TOP VIEW

Major Motion, IR
Minor Motion, IR

SIDE VIEW

Field-of-View
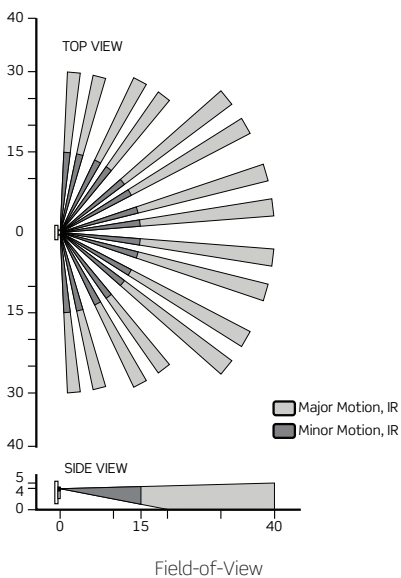
Decora® Wall Switch PIR Occupancy and Vacancy Sensors

Decora® Wall Switch - Lev-Lok® Models, 20A

Description	Cat. No.	Color	Rating
Decora® Wall Switch **PIR** Occupancy Sensor - Lev-Lok® Model	MDS10-ID		Incandescent: 800W @ 120V Fluorescent: 120VA @120V, 2700VA @ 277V 50/60Hz Motor: 1/4HP @ 120V
Decora® Wall Switch **PIR** Occupancy Sensor - Lev-Lok® Model	MDS15-ID	W, I, T, G, E	
Decora® Wall Switch **Multi Technology** Occupancy Sensor with No Netural - Lev-Lok® Model	MSSMT-GD		Incandescent/Tungsten: 800W @ 120V Fluorescent: 1200VA @ 120V, 2700VA @ 277V 60Hz Motor: 1/4HP @ 120V

MDS10

Wiring Modules for use with Lev-Lok® Sensors

Description	Cat. No.	Color
Stranded	MSPSW-XST	Yellow
Solid	MSPSW-XSD	Yellow

TOP VIEW

SIDE VIEW

- Major Motion, PIR
- Major Motion, PIR
- Major Motion, U/S
- Major Motion, U/S

<MDSxx/MSSMT
Field of View (in feet)
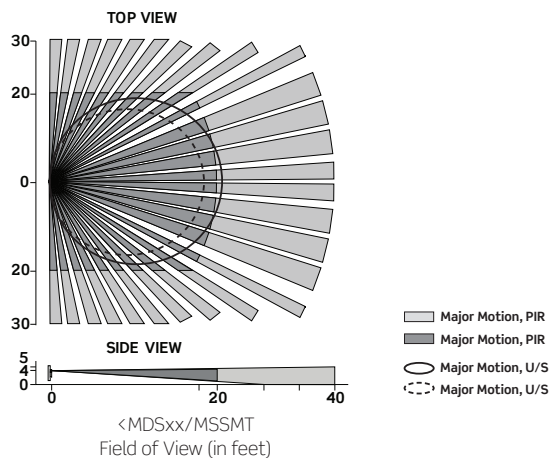
Digital Timer

Description	Cat. No.	Color	Rating
Programmable Digital Indoor Timer, Wallplate Included	TS300-0DW	W	120VAC, 15A Resistive, 10A Ballast, 1200W LED lamp driver, 8A Tungsten 1/4 HP Motor 360VA Pilot duty 277VAC, 15A Resistive, 10A Ballast

TS300

Decora® Wall Switch Multi-Technology Occupancy and Vacancy Sensors

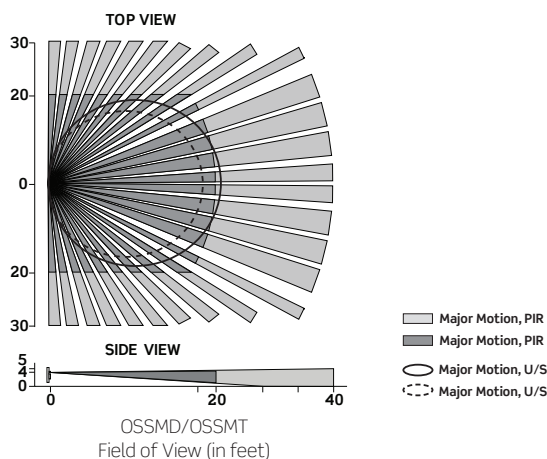| Decora® Commercial Grade Wall Switch Multi-Technology (PIR & U/S) Occupancy and Vacancy Sensors*				
Description	**Cat. No.**	**Color**	**Rating**	**Coverage**
Decora® Wall Switch **Multi-Technology** Occupancy Sensor with Self-Adaptive Technology	OSSMT-MD	W, I, T, G, E, R	Incandescent/Tungsten: 800W @ 120V Fluorescent: 1200VA @ 120V, 2700VA @ 277V Motor: 1/4HP @ 120V 50/60Hz	180°, 2400SF (222.97SM)
Decora® Wall Switch **Multi-Technology** Vacancy Sensor with Self-Adaptive Technology	OSSMT-TM	W, I, T		
Decora® Wall Switch **Multi-Technology** Occupancy Sensor with Self-Adaptive Technology - 347V Only Model	OSSMT-M3	W, I	Incandescent/Tungsten: 800W @ 120V Fluorescent: 1200VA @ 120V, 2700VA @ 277V, 1500VA @347V Motor: 1/4HP @ 120V	
Decora® Wall Switch **Multi-Technology** Occupancy Sensor with no neutral wire required for installation	OSSMT-GD	W, I, T, G, E, R	Incandescent/Tungsten: 800W @ 120V. Fluorescent: 1200VA @ 120V, 2700VA @ 277V. Motor: 1/4HP @ 120V, 50/60Hz	
Decora® Wall Switch **Multi-Technology** Vacancy Sensor with No Neutral	OSSMT-GT	W, I, T		
Decora® Dual-Relay Wall Switch **Multi-Technology** Occupancy Sensor	OSSMD-MD	W, I	Primary Relay — Fluorescent 1200VA @ 120V, 2700VA @ 277V Incandescent: 800W @ 120V Secondary Relay — Fluorescent: 800VA @ 120V, 1200VA @ 277V; Incandescent: 800W @ 120V Motor: 1/4HP @ 120V, 50/60Hz	
Decora® Dual-Relay Wall Switch **Multi-Technology** Occupancy Sensor with no neutral wire required for installation	OSSMD-GD			
Protective Cage for Wall Switch Sensors	OSWWG-P0W	W	—	—

OSSMT-MDW/ OSSMT-GDW

OSSMD-MDW/ OSSMD-GDW

*Consult with factory for 208, 220, 230, and 240V load ratings.
Leviton sensors meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM.
See product data sheets for specific listings.

TOP VIEW

□ Major Motion, PIR
■ Major Motion, PIR
⬭ Major Motion, U/S
⬭ Major Motion, U/S

SIDE VIEW

OSSMD/OSSMT
Field of View (in feet)

Self-Contained PIR Line Voltage Occupancy Sensors

| Self-Contained Infrared Ceiling Mount Occupancy Sensors				
Description	**Cat. No.**	**Color**	**Rating**	**Coverage**
Self-Contained Ceiling Mount **PIR** Occupancy Sensor and Switching Relay, 120V	ODC0S-I1W	W	Incandescent: 1000W @ 120V Fluorescent: 1000VA @ 120V Motor: 1HP @ 120V 50/60Hz	360°, 530SF* (49.23SM)
Self-Contained Ceiling Mount **PIR** Occupancy Sensor and Switching Relay, 220V	ODC0S-I2W		Incandescent: 1000W @ 220V Fluorescent: 500VA @ 220V For 50Hz AC only.	
Self-Contained Ceiling Mount **PIR** Occupancy Sensor and Switching Relay, 277V	ODC0S-I7W		Fluorescent: 2700VA @ 220V 50/60Hz	
Protective Cage for Ceiling Mount Sensors	ODCCG-000	—	—	—

*When surface mounted on standard, 8 foot ceiling.
Leviton sensors meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM.
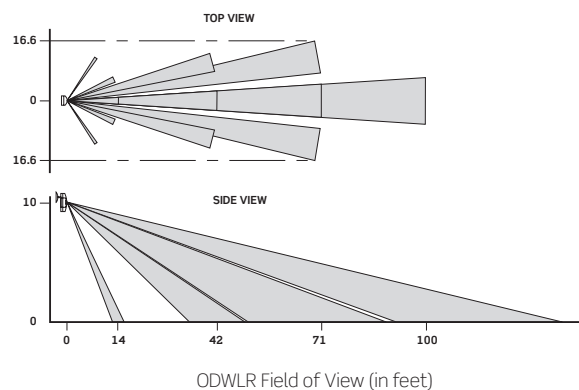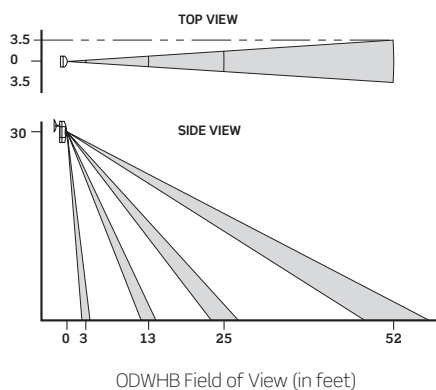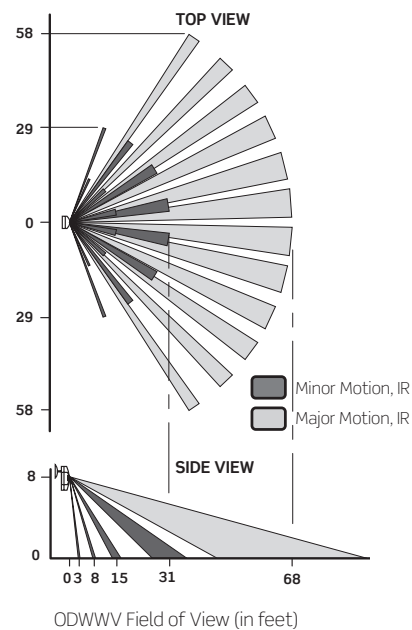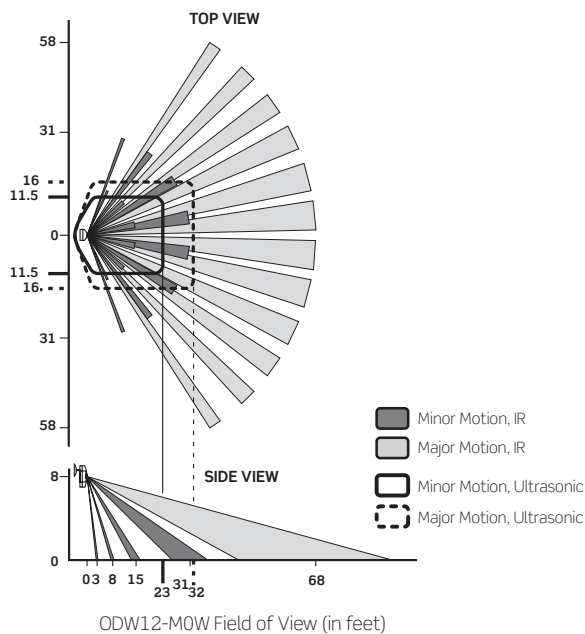See product data sheets for specific listings.

ODC0S-I1W

ODCCG-000

TOP VIEW

13

0

13

SIDE VIEW

8

0

13 7 3 0 3 7 13

ODC0S-xx
Field of View (in feet)
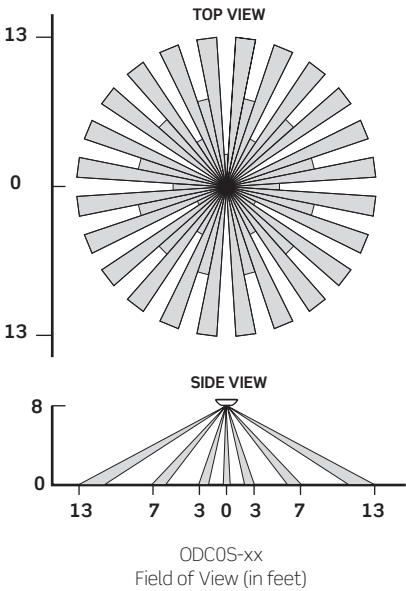
Line Voltage Sensors

Line Voltage Sensors with OPB15 Power Base Adaptor Combos

Description	Cat. No.	Color	Rating	Coverage
Line Voltage Wall Mount **Multi-Technology** Occupancy Sensor with Power Base Combo	ODW12-MDW	W	15A Incandescent, Electronic or Magnetic Fluorescent Ballast Motor: 3/4 HP @ 120V, 277V @ 2HP	1200SF (111.48SM)
Line Voltage Wall Mount **PIR** Wide View Occupancy Sensor with Power Base Combo	ODWWV-IDW			115°, 2500SF (232.26SM)
Line Voltage Wall Mount **PIR** Wide View Occupancy Sensor with Power Base Combo	ODWHB-IDW			55ft., 7ft side @ 30ft high (16.76m x 2.13m side @ 9.14m high)
Line Voltage Wall Mount **PIR** Long Range Occupancy Sensor with Power Base Combo	ODWLR-IDW			100ft, 110° @ 10ft high (30.48m, @ 3.04m high)
Protective Cage for Wall Mount Sensors	OSWCG-P0W	—	—	—

Leviton sensors meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM.
See product data sheets for specific listings.

ODW12-MDW

ODW12-M0W Field of View (in feet)

ODWWV Field of View (in feet)

ODWHB Field of View (in feet)

ODWLR Field of View (in feet)

Legend:
- Minor Motion, IR
- Major Motion, IR
- Minor Motion, Ultrasonic
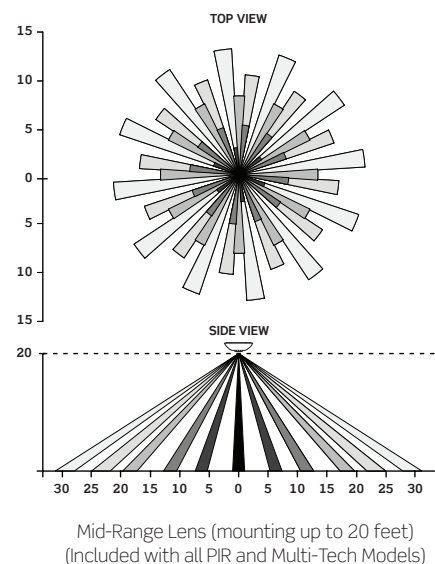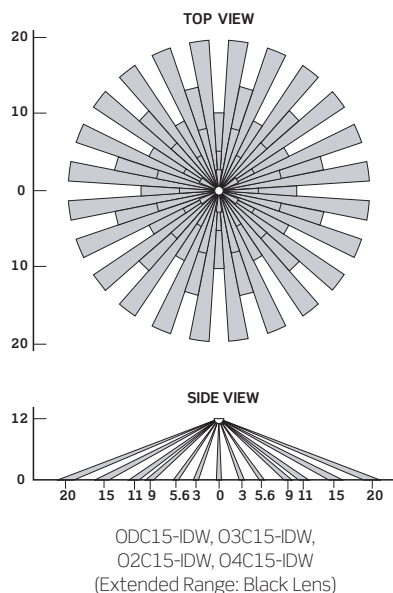- Major Motion, Ultrasonic

Provolt™ Self-Contained PIR Ceiling Mount Occupancy Sensors—Daylight Harvesting Capable

Provolt Self-Contained Passive Infrared Ceiling Mount Occupancy Sensors — Daylight Harvesting Capable				
Description	**Cat. No.**	**Coverage**	**Color**	**Input Voltage, Rating**
Provolt Line Voltage Ceiling Mount **PIR** Occupancy Sensor w/Integrated Photocell, High-Density Lens installed, Mid-Range Lens included	ODC04-IDW O2C04-IDW (Dual Relay)	450SF (41.80SM)	W	120V, 50/60Hz 8A, Electronic Ballast, 800W/VA, Tungsten Ballast, 1/4 HP Motor

230V, 50Hz 6A/6AX, Electronic Ballast, Magnetic Ballast, 1200W/VA, 1/3 HP Motor

277V, 50/60Hz 6A, Electronic Ballast, 1200VA, 1/3 HP Motor |
| Provolt Line Voltage Ceiling Mount **PIR** Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed, Mid-Range Lens included | ODC15-IDW O2C15-IDW (Dual Relay) | 1500SF (139.35SM) | | |

Leviton sensors meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM.
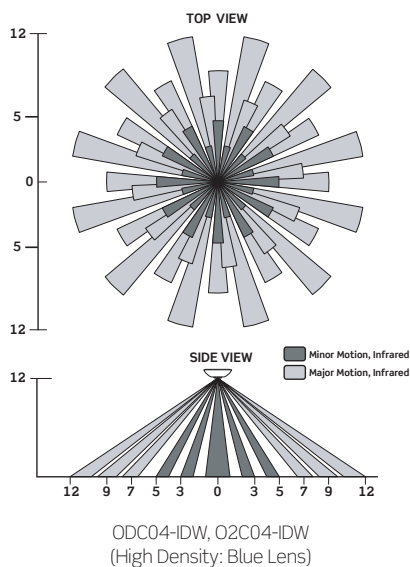See product data sheets for specific listings.

ODC04-IDW, O2C04-IDW
(High Density: Blue Lens)

ODC15-IDW, O3C15-IDW,
O2C15-IDW, O4C15-IDW
(Extended Range: Black Lens)

Mid-Range Lens (mounting up to 20 feet)
(Included with all PIR and Multi-Tech Models)

Provolt™ Self-Contained Ultrasonic Ceiling Mount Occupancy Sensors— Daylight Harvesting Capable

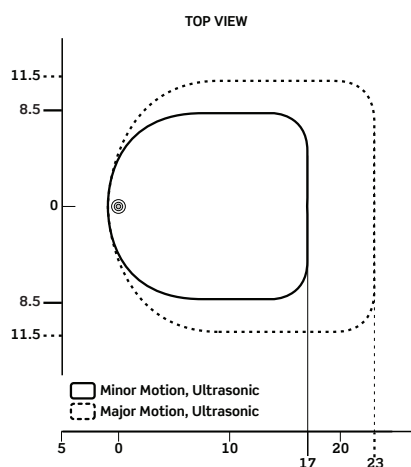| Provolt Self-Contained Ultrasonic Ceiling Mount Occupancy Sensors — Daylight Harvesting Capable				
Description	**Cat. No.**	**Coverage**	**Color**	**Input Voltage, Rating**
Provolt Line Voltage Ceiling Mount **U/S** Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed	ODC05-UDW O2C05-UDW (Dual Relay)	500SF (46.45SM)	W	277V, 50/60Hz 5A, Electronic Ballast, 800W/VA, Tungsten Ballast, 1/3 HP Motor
Provolt Line Voltage Ceiling Mount **U/S** Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed	ODC10-UDW O2C10-UDW (Dual Relay)	1000SF (92.90SM)		230V, 50Hz 6A/6AX, Electronic Ballast, Magnetic Ballast, 1200W/VA, 1/3 HP Motor
Provolt Line Voltage Ceiling Mount **U/S** Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed	ODC20-UDW O2C20-UDW (Dual Relay)	2000SF (185.81SM)		277V, 50/60Hz 5A, Electronic Ballast, 1200VA, 1/3 HP Motor

TOP VIEW

ODC05-UDW, O2C05-UDW

TOP VIEW
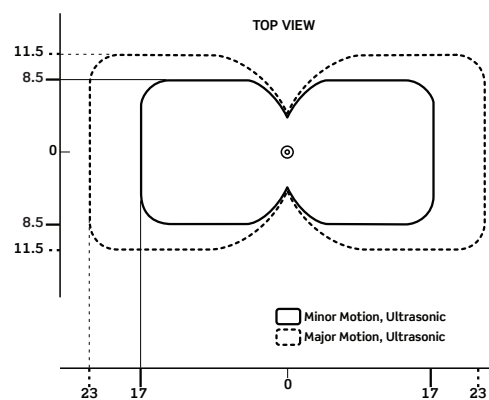
ODC10-UDW, O2C10-UDW

TOP VIEW
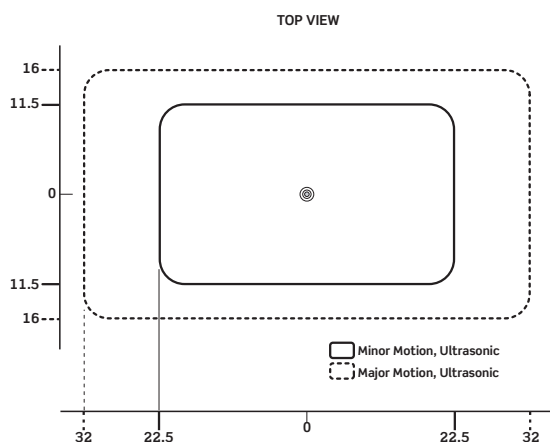
ODC20-UDW, O2C20-UDW

Provolt™ Self-Contained Multi-Technology Ceiling Mount Occupancy Sensors—Daylight Harvesting Capable

Provolt Self-Contained Multi-Technology Ceiling Mount Occupancy Sensors — Daylight Harvesting Capable				
Description	Cat. No.	Coverage	Color	Input Voltage, Rating
Provolt Line Voltage Ceiling Mount **Multi-Technology** Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed	ODC05-MDW O2C05-MDW (Dual Relay)	500SF (46.45SM)	W	120V, 50/60Hz 8A, Electronic Ballast, 800W/VA, Tungsten Ballast, 1/4 HP Motor
Provolt Line Voltage Ceiling Mount **Multi-Technology** Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed, Mid-Range Lens included	ODC10-MDW O2C10-MDW (Dual Relay)	1000SF (92.90SM)		230V, 50Hz 6A/6AX, Electronic Ballast, Magnetic Ballast, 1200W/VA, 1/3 HP Motor
Provolt Line Voltage Ceiling Mount **Multi-Technology** Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed, Mid-Range Lens included	ODC20-MDW O2C20-MDW (Dual Relay)	2000SF (185.81SM)		277V, 50/60Hz 5A, Electronic Ballast, 1200VA, 1/3 HP Motor

Leviton sensors meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM. See product data sheets for specific listings.


ODC05-MDW, O2C05-MDW
(High Density: Blue Lens)

ODC10-MDW, O3C10-MDW, O2C10-MDW,O4C10-MDW
(Extended Range: Black Lens)

ODC20-MDW, O3C20-MDW,
O2C20-MDW, O4C20-MDW

Mid-Range Lens (mounting up to 20 feet)
(Included with all PIR and Multi-Tech Models)
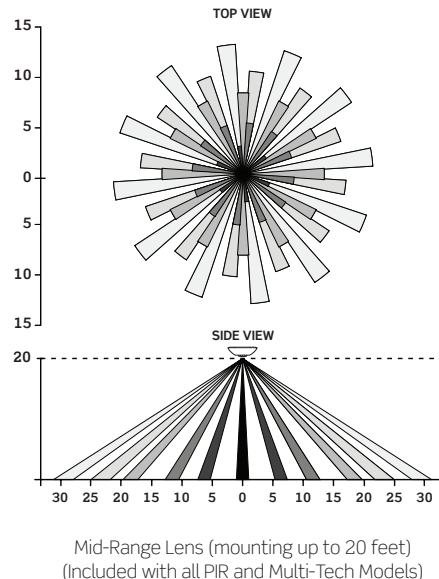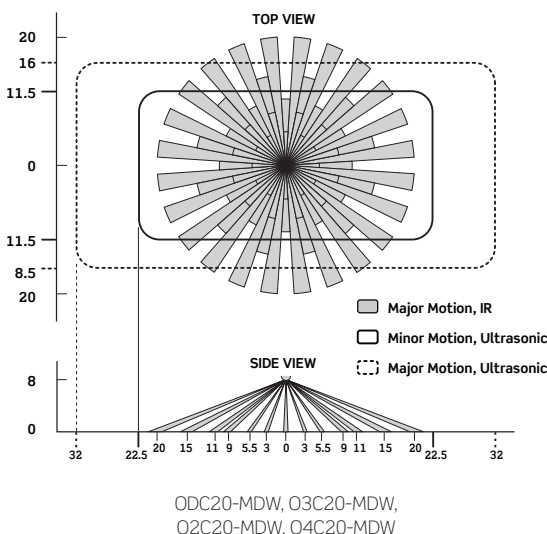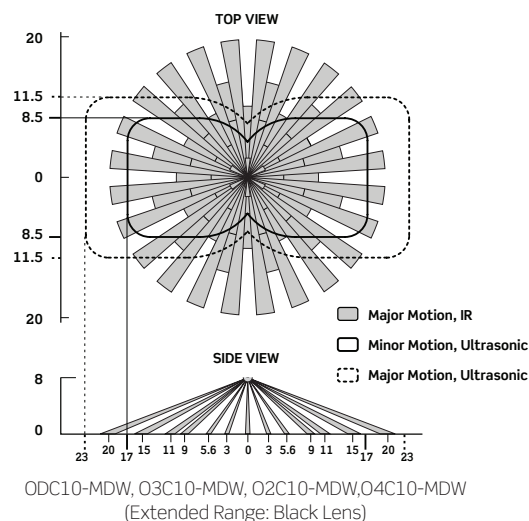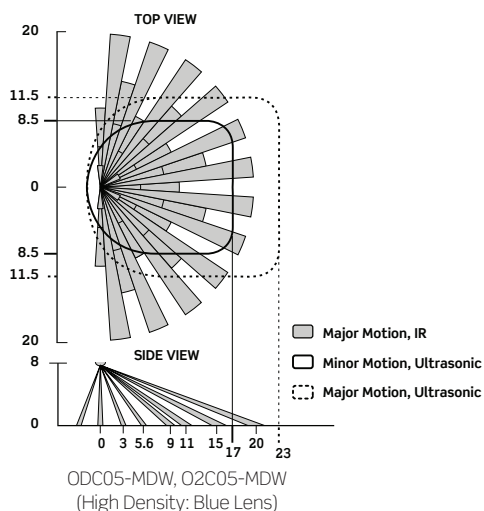
Provolt™ Self-Contained Ceiling Mount Vacancy Sensors

Provolt Self-Contained Ceiling Mount Vacancy Sensors				
Description	**Cat. No.**	**Coverage**	**Color**	**Input Voltage, Rating**
Provolt Line Voltage Ceiling Mount **PIR** Vacancy Sensor	03C15-IDW 04C15-IDW (Dual Relay)	1500SF (139.35SM)	W	120V, 50/60Hz 8A, Electronic Ballast, 800W/VA, Tungsten Ballast, 1/4 HP Motor
Provolt Line Voltage Ceiling Mount **Multi-Technology** Vacancy Sensor	03C10-MDW 04C10-MDW (Dual Relay)	1000SF (92.90SM)		230V, 50Hz 6A/6AX, Electronic Ballast, Magnetic Ballast, 1200W/VA, 1/3 HP Motor
Provolt Line Voltage Ceiling Mount **Multi-Technology** Vacancy Sensor	03C20-MDW 04C20-MDW (Dual Relay)	2000SF (185.81SM)		277V, 50/60Hz 5A, Electronic Ballast, 1200VA, 1/3 HP Motor

Leviton sensors meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM.
See product data sheets for specific listings.

ODC20-MDW

Flat Light Pipe

Angled Light Pipe

ODC20-MDW (top view)

OXCXX-IDW

Self-Contained Fixture Mount High-Bay PIR Integral Luminaire Occupancy Sensors

Self-Contained PIR High Bay Occupancy Sensors*

Coverage

360° high-bay lens — 2:1 spacing to mounting height under 20 ft. and 1.5:1 spacing to mounting height @ 40 ft.
360° low-bay lens — 2:1 spacing to mounting height @ 8 ft. to 20 ft.

Description	Cat. No.	Models	Rating
Fixture Mount High-Bay **PIR** Occupancy Sensor with Two Interchangeable Lenses for 360° High-Bay, 360° Low Bay	OSFHU-ITW	120-230-277-347V	800VA @ 120VAC Ballast 1200VA @ 277VAC Ballast 1500VA @ 347VAC Ballast 2000VA @ 480VAC Ballast 50/60Hz Motor: 1/4 HP @ 120V
	OSFHU-CTW	120-230-277-347V, Cold Storage	
	OSFHU-I4W	240/480V	
	OSFHU-C4W	240/480V, Cold Storage	
Fixture Mount **PIR** High Bay Wet Location Occupancy Sensor with Two Interchangeable Lenses for 360° High-Bay, 360° Low Bay	OFSHW-CTW	120-277-347V	800VA @ 120VAC Ballast 1200VA @ 277VAC Ballast 1500VA @ 347VAC Ballast Motor: 1/4 HP @ 120V
Fixture Mount High-Bay **PIR** Occupancy Sensor with Two Interchangeable Lenses and Light Sensor, Low Voltage	OSFHP-ILW	24V	Input: 20mA Output: 120mA HVAC: 1A, 30V DC
Fixture Mount High-Bay **PIR** Occupancy Sensor with Two Interchangeable Lenses and Light Sensor	OSFHP-ITW	120-230-277-347V	800VA @ 120VAC Ballast 1000VA @ 230VAC Ballast 1200VA @ 277VAC Ballast 1500VA @ 347VAC Ballast 2000VA @ 480VAC Ballast 50/60Hz Motor: 1/4 HP @ 120V
	OSFHP-I4W	240/480V	
	OSFHD-ITW	120-230-277-347V, Dual Relay	
	OSFHD-CTW	120-230-277-347V, Dual Relay, Cold Storage	
Fixture Mount High-Bay **PIR** Occupancy Sensor with Two Interchangeable Lenses and Alternating Relay	OSFHD-IAW	120-230-277V	
	OSFHD-CAW	120-230-277V, Cold Storage	
Surface Mount High-Bay **PIR** Occupancy Sensor	OSFHS-ITW	120-230-277-347V	800VA @ 120VAC Ballast 1200VA @ 277VAC Ballast 1500VA @ 347VAC Ballast Motor: 1/4 HP @ 120V
Fixture Mount High/ Low-Bay **PIR** Sensor with Two Interchangeable Lenses	HB011-PDX (21" Leads) HB011-BDX (42" Leads)	120-277V	800VA @ 120VAC Ballast 1000VA @ 230VAC Ballast 1200VA @ 277VAC Ballast 1500VA @ 347VAC Ballast 2000VA @ 480VAC Ballast 50/60Hz Motor: 1/4 HP @ 120V
	HB011-PD2 (21" Leads) HB011-BD2 (42" Leads)	347V	
Fixture Mount **PIR** Indoor/Outdoor Wet Location Sensor with Two Interchangeable Lenses for 0-10V Dimming	HBE11-IUB	120-277-37V	120VAC: 0-800W Electronic Ballast/LED Driver or 0-600W Tungsten, 60Hz 277VAC: 0-1,200W Electronic Ballast/LED Driver 347VAC: 0-1,500W Electronic Ballast/LED Driver Motor: 1/4 HP @ 120VAC and 277VAC, Motor: 1/6 HP @ 347VAC

*Consult with factory for 208, 220, 230, and 240V load ratings.
Leviton sensors meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM. See product data sheets for specific listings.

OSFHU

OSFHW

OSFHP

OSFHD

OSFHS

HB011

HBE11

Fixture Mount PIR Integral Luminaire Occupancy Sensors

Integral Luminaire Fixture Mount Occupancy Sensors

Coverage

360° high-bay lens — 2:1 spacing to mounting height under 20 ft. and 1.5:1 spacing to mounting height @ 40 ft.
360° low-bay lens — 2:1 spacing to mounting height @ 8 ft. to 20 ft.

Description	Cat. No.	Models	Rating
Fixture Mount **PIR** Outdoor Luminaire Occupancy Sensor with 360 degree high bay lens (8-40')and aisle mask, IP65 rated	OSF20-IUW	120-230-277-347V	800W @ 120V 800VA @ 120VAC 1200VA @ 277VAC 50/60Hz Motor: 1/4 HP @ 120V
Fixture Mount **PIR** Outdoor Luminaire Occupancy Sensor with 360 degree high bay lens (20-40') and aisle mask, 24V, IP65 rated	OSF20-ILW	24VAC/VDC	Input: 20mA Output: 120mA HVAC: 1A, 30VDC

OSF20

Coverage

360° — 1:1 spacing to mounting height up to 8 ft.

Description	Cat. No.	Models	Rating
Integral Luminaire Fixture Mount **PIR** Occupancy Sensor	OSFHU-I0W	120-230-277V (Integrated Unit)	598W @ 120V 800VA @ 120VAC 1000VA @ 230VAC 1200VA @ 277VAC 50/60Hz Motor: 1/6 HP @ 120V
	OSFCA-36W	36" Connection Cable	

OSF10

Self-Contained High-Bay Occupancy Sensor Accessories

Self-Contained High Bay Occupancy Sensor Accessories

Description	Cat. No.
High-Bay Lens for High-Bay Sensors	OSFLN-00W
Low-Bay Lens for High-Bay Sensors	OSFLN-00B
Aisle Lens for High-Bay Sensors	OSFLN-00E
Offset Adaptor Accessory for Fixture-Mount Occupancy Sensor	OSFOA-00W
Offset Adaptor Accessory for High-Bay Occupancy Sensor	OSFLO-00W
Protective Cage for High-Bay Mount Sensors	OSFCG-00W

OSFOA

High Bay 360° Top View — White Lens

Low Bay 360° Top View — Blue Lens

Side View

Side View
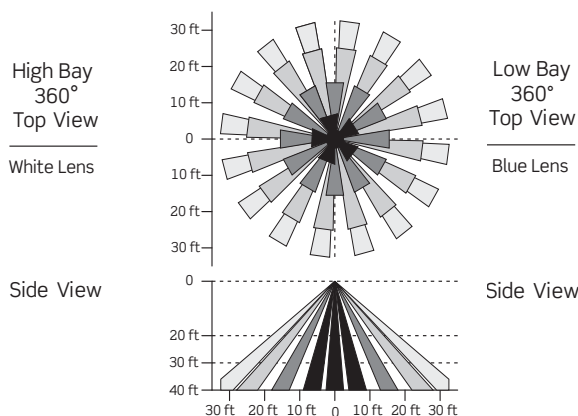
OSFHU/OSFHP/OSFHD Field of View (in feet)

OSF10 Field of View (in feet)
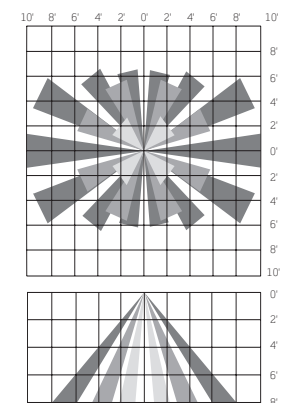
Ceiling Mount PIR Occupancy Sensors

Infrared Ceiling Mount Occupancy Sensors and Accessories For Use with Leviton Power Pack or Power Base Adaptor			
Description	**Cat. No.**	**Coverage**	**Color**
Ceiling Mount **PIR** Occupancy Sensor	OSC04-I0W	360°, 450SF (41.80SM)	Off-White
Ceiling Mount **PIR** Occupancy Sensor	OSC15-I0W	360°, 1500SF (139.35SM)	
Ceiling Mount **PIR** Occupancy Sensor with Isolated Relay	OSC04-RIW	360°, 450SF (41.80SM)	White
Ceiling Mount **PIR** Occupancy Sensor with Isolated Relay	OSC15-RIW	360°, 1500SF (139.35SM)	
Power Base Adaptor	OPB15-0DW		Off-White
Cosmetic Adaptor	OPBCA-00W	—	
Protective Cage for Ceiling Mount Sensors	ODCCG-000		White

OSC04-I0W

Note: Use low-voltage wiring to connect sensors to OSPXX Power Pack OPP20 or OSPxx Power Pack or OPB15 Power Base Adaptor.
Leviton sensors meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM.
See product data sheets for specific listings.

OSC04-I0W Field of View (in feet)

OSC15-I0W Field of View (in feet)
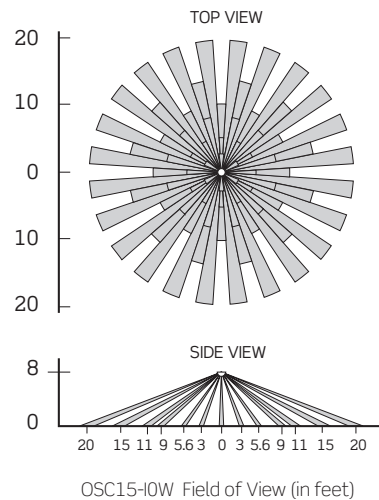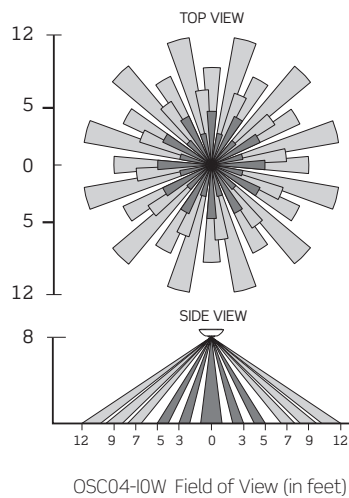
Minor Motion, IR

Major Motion, IR

Ceiling Mount Ultrasonic Occupancy Sensors

Ceiling Mount Ultrasonic Occupancy Sensors and Accessories For Use with Leviton Power Pack or Power Base Adaptor				
Description	**Cat. No.**	**Operating Frequency**	**Coverage**	**Color**
Ceiling Mount **Ultrasonic** Occupancy Sensor	OSC05-U0W	40kHz	180°, 500SF (46.45SM)	Off-White
Ceiling Mount **Ultrasonic** Occupancy Sensor	OSC10-U0W		360°, 1000SF (92.90SM)	
Ceiling Mount **Ultrasonic** Occupancy Sensor	OSC20-U0W	32kHz	360°, 2000SF (185.81SM)	
Ceiling Mount **Ultrasonic** Occupancy Sensor with Isolated Relay	OSC05-RUW	40kHz	180°, 500SF (46.45SM)	White
Ceiling Mount **Ultrasonic** Occupancy Sensor with Isolated Relay	OSC10-RUW		360°, 1000SF (92.90SM)	
Ceiling Mount **Ultrasonic** Occupancy Sensor with Isolated Relay	OSC20-RUW	32kHz	360°, 2000SF (185.81SM)	
Power Base Adaptor	OPB15-0DW	—	—	Off-White
Cosmetic Adaptor	OPBCA-00W			
Protective Cage for Ceiling-Mount Sensors	ODCCG-000			White

OSC05-U0W

Note: Use low-voltage wiring to connect sensors to OPP20 or OSPxx Power Pack or OPB15 Power Base Adaptor
Leviton sensors meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM. See product data sheets for specific listings.
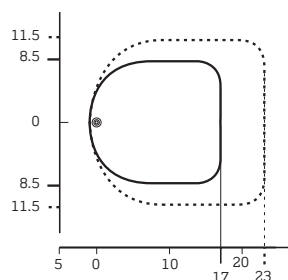
OSC05-U0W Field of View (in feet)

OSC10-U0W Field of View (in feet)

OSC20-U0W Field of View (in feet)

Minor Motion, Ultrasonic
Major Motion, Ultrasonic
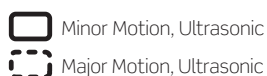
Ceiling Mount Multi-Technology Occupancy Sensors

Ceiling Mount Multi-Technology Occupancy Sensors and Accessories For Use with Leviton Power Pack or Power Base Adaptor				
Description	**Cat. No.**	**Operating Frequency**	**Rating**	**Color**
Ceiling Mount **Multi-Technology** Occupancy Sensor	OSC05-M0W	40kHz	180°, 500SF (46.45SM)	Off-White
Ceiling Mount **Multi-Technology** Occupancy Sensor	OSC10-M0W		360°, 1000SF (92.90SM)	
Ceiling Mount **Multi-Technology** Occupancy Sensor	OSC20-M0W	32kHz	360°, 2000SF (185.81SM)	
Ceiling Mount **Multi-Technology** Occupancy Sensor with Isolated Relay	OSC05-RMW	40kHz	180°, 500SF (464.52SM)	White
Ceiling Mount **Multi-Technology** Occupancy Sensor with Isolated Relay	OSC10-RMW		360°, 1000SF (92.90SM)	
Ceiling Mount **Multi-Technology** Occupancy Sensor with Isolated Relay	OSC20-RMW	32kHz	360°, 2000SF (185.81SM)	
Power Base Adaptor	OPB15-0DW	—	—	Off-White
Cosmetic Adaptor	OPBCA-00W			
Protective Cage for Ceiling-Mount Sensors	ODCCG-000			—

Note: Use low-voltage wiring to connect sensors to OPP20 or OSPxx Power Pack or OPB15 Power Base Adaptor
Leviton sensors meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM. See product data sheets for specific listings.

OSC05-M0W

OSC10/OSC20-MDW, MAW, RMW, MSW

OSC05-M0W Field of View (in feet)

OSC10-M0W Field of View (in feet)

OSC20-M0W Field of View (in feet)
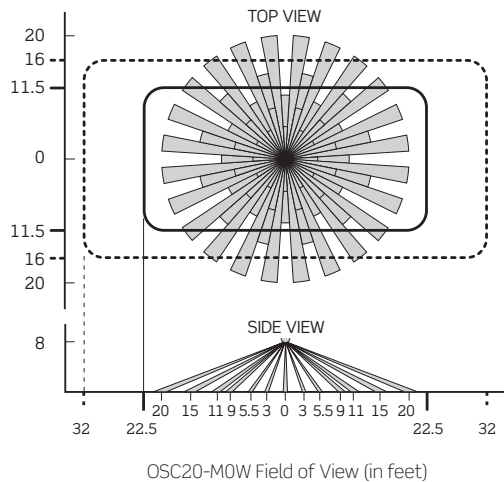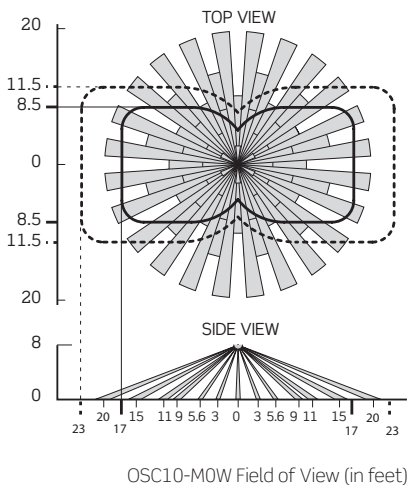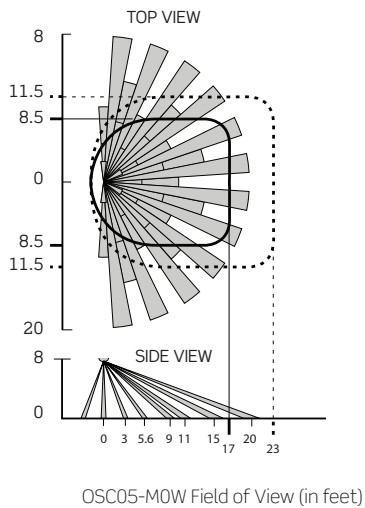
Major Motion, IR

Minor Motion, Ultrasonic

Major Motion, Ultrasonic

Wall/Corner Mount Occupancy Sensors

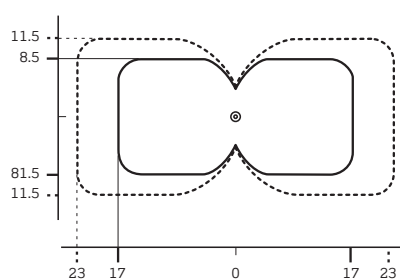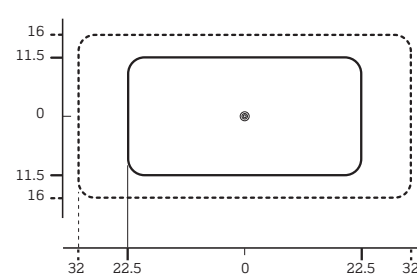| Infrared Indoor Wall-Mount Occupancy Sensors and Accessories For Use with Leviton Power Pack or Power Base Adaptor			
Description	**Cat. No.**	**Coverage**	**Color**
Wide-View Wall/Corner Mount **PIR** Occupancy Sensor	OSWWV-I0W	115°, 2500SF (232.26SM)	Off-White
High-Bay Wall/Corner Mount **PIR** Occupancy Sensor	OSWHB-I0W	55 ft. x 7 ft. wide @ 10 ft. high (16.76m x 4.26m wide @ 3.04m high)	
Long-Range Wall/Corner Mount **PIR** Occupancy Sensor	OSWLR-I0W	100 ft. x 14 ft. @ 10 ft. high (30.48m x 4.26m @ 3.04m high)	
Wide-View Wall/Corner Mount **PIR** Occupancy Sensor with Isolated Relay	OSWWV-RIW	115°, 2500SF (232.26SM)	White
High-Bay Wall/Corner Mount **PIR** Occupancy Sensor with Isolated Relay	OSWHB-RIW	55 ft. x 7 ft. wide @ 30 ft. high (16.76m x 4.26m wide @ 9.14m high)	
Long-Range Wall/Corner Mount **PIR** Occupancy Sensor with Isolated Relay	OSWLR-RIW	100 ft., 110° @ 10 ft. high (30.48m, @ 3.04m high)	
Wall/Corner Mount **Multi-Technology** Occupancy Sensor	OSW12-M0W	115°, 1200SF (111.48SM)	Off-White
Wall/Corner Mount **Multi-Technology** Occupancy Sensor with Isolated Relay	OSW12-RMW		White
Power Base Adaptor	OPB15-0DW	—	Off-White
Cosmetic Adaptor	OPBCA-00W		
Protective Cage for Ceiling-Mount Sensors	OSWCG-P0W		White

Note: Use low-voltage wiring to connect sensors to OPP20 or OSPxx Power Pack or OPB15 Power Base Adaptor
Leviton sensors meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM. See product data sheets for specific listings

OSWHB-I0W

OSW12-M0W
Wall Mount

Minor Motion, IR
Major Motion, IR
Minor Motion, Ultrasonic
Major Motion, Ultrasonic

OSWHB
Field of View (in feet)

OSWLR
Field of View (in feet)

OSWWV
Field of View (in feet)

OSW12-M0W
Field of View (in feet)

Power Packs

Description	Cat. No.	Power Input*	Relay Rating	Control Input	Pow Supply Output
Power Pack, Basic with Auto-ON	OPP20-0D1	120-230-277VAC, 50/60 Hz	20A, 2400W @ 120V – Resistive 20A, 2400W @ 120V – General Purpose 20A, 2400W @ 120V – Incandescent 20A, 2400W @ 120V – Fluorescent 20A, 5540W @ 277V – Resistive 20A, 5540W @ 277V – General Purpose 20A, 5540VA @ 277V – Fluorescent 16A, 4430VA @ 277V – Electronic Ballasts 1/2 HP @ 120V – Motor Load 2 HP @ 240/277V – Motor Load	2mA, 24VDC	225mA, 24VDC, 5.4W
Super Duty Power Pack with Auto-ON, Manual-ON, and Local Switch Inputs, Title 24	OPP20-0D2				
Super Duty Power Pack with Auto-ON and Photocell Input	OPP20-RD3				
Super Duty Power Pack with Auto-ON, Manual-ON, Switch, and Photocell Input, Title 24	OPP20-RD4 **				
Power Pack with HVAC Relay with Auto-ON and Manual-ON Inputs for Occupancy Sensors	OSP20-RDH		20A Incandescent @ 120V, 20A Fluorescent @ 120-230-277/347VAC 1/2 HP @ 120V, 2 HP @ 240-277V; HVAC: 0.5A @ 120VAC, 1A @ 30VDC	5mA, 24VDC	225mA, 24VDC
Power Pack with HVAC Relay	OSP15-R30	347VAC, 60Hz	15A Fluorescent @ 347V; 1 HP @ 120V, 2 HP @ 240V; HVAC: 0.5A @ 120VAC, 1A @ 30VDC		120mA, 24VDC
Add-A-Relay Unit with HVAC Relay	OSA20-R00	—	15A Incandescent @ 120V, HVAC: 0.5A @ 125VAC, 1A @ 30VDC		—

*Consult with factory for 208, 220, and 240V models
Leviton power packs meet the following applicable agency listings: UL, cULus, ETL, CSA and NOM. See product data sheets for specific listings.
**OPP20-RD4 is for general purpose plug load control - 20A, 2400W @ 120V - can be used to comply with ASHRAE 90.1 and Title 24, Part 6 plug load control requirements

OPP20

OSP20

Power Pack Capacity Formula

Leviton power packs can be used to provide power to one or more sensors. Since current consumptions of sensors may vary, the best way to ensure you order the correct number of power packs and Add-A-Relays is by using this formula:

Sensor	Current Consumption
OSC04-I, OSC15-I, OSWHB-I, OSWLR-I, OSWWV-I	10-15mA
OSC05-M, OSC05-U, OSW12-M	25mA
OSC10-M, OSC10-U	35mA
OSC20-M, OSC20-U	50mA
OSA20-R00 Add-A-Relay	50mA

Number of Model A sensors X Sensor A current consumption rating **+** Number of Model B sensors X Sensor B current consumption rating **+** Number of Add-A-Relays X 50mA **< 225mA**

Power Base Adaptor

Converts any Leviton low voltage ceiling or wall-mount occupancy sensor to a self-contained, line voltage unit with 15A, 120/277V load capacity.

Power Base Adaptor				
Description	Cat. No.	Power Input/Output	Rating	Color
Converts select Leviton low-voltage ceiling or wall mount occupancy sensor models to a self-contained line voltage unit	OPB15-0DW	Power Input: 120-230-277VAC, 50/60Hz Control Input: 24VDC, 5mA Power Output: 120VAC @15A Incandescent; 277VAC @ 15A Fluorescent; Motor: 3/4 HP @ 120VAC, 2HP @ 277VAC Control Output: 24VDC, 40mA	15A	Off-White
Cosmetic Adaptor	OPBCA-00W	—	—	

Agency Listings & Code Compliance: NOM Certified.
*Available in Off-White only.
Consult with factory for 208, 220, 230 and 240V load ratings.
Note: Converts OSCxx-I, OSCxx-M and OSCxx-U. Does not convert OSCxx-R

OPB15-0DW (Occupancy Sensor not included)

High Frequency Microwave Occupancy Sensors

High Frequency Microwave Occupancy Sensors				
Description	Cat. No.	Coverage	Color	Input Voltage, Rating
High Frequency **Microwave** Occupancy Sensor	OSM3D-V1W	150° (wall), 360° (ceiling)	W	120-277V, 50/60Hz 1000VA @ 120VAC 1200VA @ 277VAC 800W @ 120VAC
0-10V Dimming High Frequency **Microwave** Occupancy Sensor	OSM3D-DDW	150° (wall), 360° (ceiling)	W	120-277V, 50/60Hz 120V @ 400W 220-240V @ 800W 277V @ 1000W

OSM3D-V1W
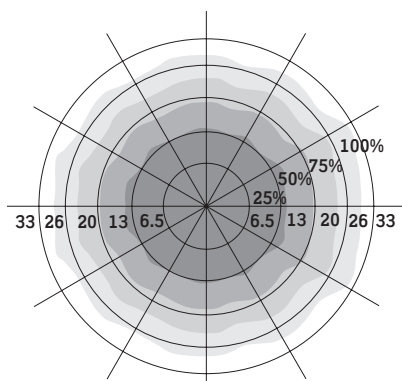
OSM3D-DDW

Ceiling Pattern
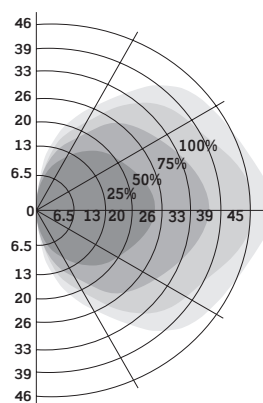
Wall Pattern

OSM3D Field of View (In Feet)

SMART SENSORS
Commercial Grade

Specifications	ODD10-ID	ODD24-ID	ODS15-ID/ODS15-I1
Features			
Technology	Passive Infrared		
Mounting	Wall		
Coverage (SF)	1100		
Pattern	180°		
Mounting Height	40-48"		
Adjustment	Out-of-the-box default mode, pushbutton configuration, app-configurable with Smart Sensor App		
Time Delay	30s-60m		
Voltage	120-277V	24V	120-277V (-ID models)/ 120V (-I1 models)
Occupancy or Vacancy	Occupancy/Vacancy		
Auto or Manual	Both - Auto or Manual selected using the App		
Ambient Light Override	Yes		
Other	Combines occupancy/vacancy sensing with 0-10V dimming	Combines occupancy/vacancy sensing with 24V dimming; ideal for low voltage applications; requires OPP20 or OSA20 Power Pack or other Leviton (24V) low voltage sources; use with a separate Power Pack for plug load control	Combines occupancy/vacancy sensing with ON/OFF switching
Mechanical			
Switching Technology	Relay		
Neutral Required	Yes		
Ground Required	Yes		
Power	External Power Not Required	Power Pack Required	External Power Not Required
Consumption (mA)	100-250mW		
Photocell	Internal		
HVAC Relay	Not Applicable		
Environmental Operating Temperature/ Humidity	32 to 104°F (0 to 40°C)		
Certifications			
Listing	UL, cUL, FCC, and ICC		
Can be used to comply with 2019 Title 24, Part 6 occupancy/vacancy requirements	Yes		

WALL SWITCH
Residential Grade

Specifications	IPS02-1L	IPV02-1L	IPS05-1L	IPV05-1L
Features				
Technology	Passive Infrared			
Mounting	Wall			
Coverage (SF)	900			
Pattern	180°			
Mounting Height	4'			
Adjustment	Manual			
Time Delay	30s-30m			
Voltage	120VAC, 60 Hz			
Wattage/VA	200VA		600W	
Occupancy or Vacancy	Occupancy	Vacancy	Occupancy	Vacancy
Auto or Manual	Auto	Manual	Auto	Manual
Ambient Light Override	Yes	No	Yes	No
Other	Single Pole			
Mechanical				
Switching Technology	Relay			
Neutral Required	No			
Ground Required	Yes			
Power Pack	External Power Pack Not Required			
Consumption	No			
Photocell	Internal			
HVAC Relay	Not Applicable			
Environmental Operating Temperature/Humidity	0 to 40°C/ 20 to 90% Non-Condensing Indoor Use Only			
Certifications				
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	No	Yes	No	Yes

WALL SWITCH
Residential Grade

Specifications	IPS06-1L	IPSD6-1L	IPVD6-1L	IPS15-1L	IPV15-1L	IPHS5-W
Features						
Technology	Passive Infrared					Digital Sensor
Mounting	Wall					
Coverage (SF)	900					—
Pattern	180°					—
Mounting Height	4'					
Adjustment	Manual					
Time Delay	30s-30m					10m-45m
Voltage	120VAC, 60 Hz					
Wattage/VA	—			1800VA		600W
Occupancy or Vacancy	Occupancy	Vacancy	Occupancy	Vacancy		Occupancy
Auto or Manual	Auto	Manual	Auto	Manual		Auto
Ambient Light Override	Yes	No	Yes	No		
Other	Single Pole/3-Way			Single Pole/3-Way with IPVOR Remote Sensor		Single Pole
Mechanical						
Switching Technology	Triac			Relay		
Neutral Required	No			Yes		
Ground Required	No					
Power Pack	External Power Pack Not Required					Power Pack Not Required
Consumption	No					
Photocell	Internal					None
HVAC Relay	Not Applicable					
Environmental Operating Temperature/ Humidity	0 to 40°C/ 20 to 90% Non-Condensing Indoor Use Only					
Certifications						
Listing	UL					
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	No	Yes	No	Yes		

WALL SWITCH
Commercial Grade

Specifications	ODS06-ID	ODS10-ID	ODS10-I3	ODS10-IQ
Features				
Technology	Passive Infrared			
Mounting	Wall			
Coverage (SF)	2100			
Pattern	60°-180°			
Mounting Height	4'			
Adjustment	Manual			
Time Delay	30s-30m			
Voltage	120-230-277 VAC		347 VAC	120-230-277 VAC
Wattage/VA	800/1500		3470	1800/4000
Occupancy or Vacancy	Occupancy			Vacancy
Auto or Manual	Both			Auto
Ambient Light Override	Yes			
Other	Single Pole, Multi-Location; Select Models Feature Auto-ON/Auto-OFF Only (ODS10-IQ), Self-Adaptive (ODS0D)			
Mechanical				
Switching Technology	Relay			
Neutral Required	No			
Ground Required	Yes			
Power Pack	External Power Pack Not Required			
Consumption	100-250mW			
Photocell	Internal			
HVAC Relay	Not Applicable			
Environmental Operating Temperature/Humidity	0 to 40°C/ 0 to 95% Non-Condensing Indoor Use Only		0 to 50°C/ 20 to 90% Non-Condensing Indoor Use Only	
Certifications				
Listing	UL		cUL	UL
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes		No	Yes

WALL SWITCH
Commercial Grade

Specifications	MDS10-ID	MDS15-ID	ODS0D-ID
Features			
Technology	Passive Infrared		
Mounting	Wall		
Coverage (SF)	2100		
Pattern	60°-180°		
Mounting Height	4'		
Adjustment	Manual	Self-Adjusting	Manual
Time Delay	30s-30m	30s-20m or 5m-30m	
Voltage	120-230-277 VAC		
Wattage/VA	1800/400	800/2700	
Occupancy or Vacancy	Occupancy		
Auto or Manual	Both		
Ambient Light Override	Yes		
Other	Self-Adaptive, Lev-Lok	Single Pole, Multi-Location, Lev-Lok	Dual Relay, Self-Adaptive
Mechanical			
Switching Technology	Relay		
Neutral Required	No		
Ground Required	Yes		
Power Pack	External Power Pack Not Required		
Consumption	100-250mW	120-280mW	110-270mW
Photocell	Internal		
HVAC Relay	Not Applicable		
Environmental Operating Temperature/ Humidity	0 to 50°C/ 20 to 90% Non-Condensing Indoor Use Only	0 to 40°C/ 0 to 95% Non-Condensing Indoor Use Only	
Certifications			
Listing	UL		
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes		

WALL SWITCH
Commercial Grade

Specifications	OSSMT-MD	OSSMT-GD	OSSMT-M3	OSSMT-TM
Features				
Technology	Multi-Technology			
Mounting	Wall			
Coverage (SF)	2400			
Pattern	60°-180°			
Mounting Height	4'			
Adjustment	Self-Adjusting			
Time Delay	30s-30m			
Voltage	120-230-277 VAC		347 VAC	120-230-277 VAC
Wattage/VA	800/2700			1200/2700
Occupancy or Vacancy	Occupancy			Vacancy
Auto or Manual	Both			Manual
Ambient Light Override	Yes			
Other	Single Pole, Multi-Location; Select Models Feature No Neutral (OSSMT-GT, MSSMT-GD, OSSMD-GD), or Lev-Lok (MSSMT) Technology			
Mechanical				
Switching Technology	Relay			
Neutral Required	Yes	No	Yes	
Ground Required	Yes			
Power Pack	External Power Pack Not Required			
Consumption	190-480mW	190-480mW	350-500mW	190-480mW
Photocell	Internal			
HVAC Relay	Not Applicable			
Environmental Operating Temperature/ Humidity	0 to 40°C/ 20 to 90% Non-Condensing Indoor Use Only			
Certifications				
Listing	UL	ETL	CETL	UL
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes			

WALL SWITCH
Commercial Grade

Specifications	OSSMT-GT	MSSMT-GD	OSSMD-MD	OSSMD-GD
Features				
Technology	Multi-Technology			
Mounting	Wall			
Coverage (SF)	2400			
Pattern	60°-180°			
Mounting Height	4'			
Adjustment	Self-Adjusting			
Time Delay	30s-30m			
Voltage	120-230-277 VAC			
Wattage/VA	1200/2700		Primary Relay: 1200/2700, Secondary Relay: 800/1200	
Occupancy or Vacancy	Vacancy	Occupancy		
Auto or Manual	Manual	Both		
Ambient Light Override	Yes			
Other	Single Pole, Multi-Location, No Neutral Required, Lev-Lok (MSSMT)		Single Pole, Multi-Location, Dual Relay, No Neutral Required (OSSMD-GD)	
Mechanical				
Switching Technology	Relay			
Neutral Required	No		Yes	No
Ground Required	Yes			
Power Pack	External Power Pack Not Required			
Consumption	70-340mW		210-410mW	140-360mW
Photocell	Internal			
HVAC Relay	Not Applicable			
Environmental Operating Temperature/ Humidity	0 to 40°C/ 20 to 90% Non-Condensing Indoor Use Only			
Photocell	Internal			
Certifications				
Listing	ETL			
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes			

WALL SWITCH
Commercial Grade

Specifications	TS300
Features	
Technology	Digital
Mounting	Wall
Coverage (SF)	1000
Pattern	180°
Mounting Height	Standard wall switch (3-5')
Adjustment	Manual
Time Delay	2-4 hours
Voltage	120-277VAC, 50/60Hz
Wattage/VA	1200W
Occupancy or Vacancy	Occupancy
Auto or Manual	Auto
Ambient Light Override	No
Other	Wallplate included
Mechanical	
Switching Technology	Relay
Neutral Required	Yes
Ground Required	Yes
Power Pack	No
Consumption	N/A
Photocell	None
HVAC Relay	No
Environmental Operating Temperature/ Humidity	0 to 51°C/ 0-95% Non-Condensing Indoor Use Only
Certifications	
Listing	UL, cUL
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes

LINE VOLTAGE
Commercial Grade

Specifications	ODC04-IDW ODC15-IDW	O3C15-IDW	O2C04-IDW O2C15-IDW	O4C15-IDW
Features				
Technology	Passive Infrared			
Mounting	Ceiling			
Coverage (SF)	450; 1500	1500	450; 1500	1500
Pattern	360°			
Mounting Height	8'-12'			
Adjustment	Self Adjusting			
Time Delay	30s -30m			
Voltage	120-220/277 VAC, 50/60Hz			
Wattage/VA	800W/VA			
Occupancy or Vacancy	Occupancy	Vacancy	Occupancy	Vacancy
Auto or Manual	Both	Manual	Both	Manual
Ambient Light Override	Yes			
Other	Open/Closed Loop Daylight Harvesting with Manual/AutoCal Configuration; Momentary or Maintained Manual Switch Input; BMS/Emergency Interface	Momentary or Maintained Manual Switch Input; BMS/Emergency Interface	Dual Relay; Open/Closed Loop Daylight Harvesting with Manual/AutoCal Configuration; Momentary or Maintained Manual Switch Input; BMS/Emergency Interface	Dual Relay; Momentary or Maintained Manual Switch Input; BMS/Emergency Interface
Mechanical				
Switching Technology	Zero Cross			
Neutral Required	Yes			
Ground Required	No			
Power Pack	Not Required			
Consumption	60-30ma			
Photocell	AutoCal	No	Internal	No
HVAC Relay	Not Applicable			
Environmental Operating Temperature/ Humidity	0 to 40°C/ 0 to 90% Non-Condensing Indoor Use Only			
Certifications				
Listing	UL			
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes			

LINE VOLTAGE
Commercial Grade

Specifications	ODC05-UDW ODC10-UDW ODC20-UDW	O2C05-UDW O2C10-UDW O2C20-UDW	ODC05-MDW ODC10-MDW ODC20-MDW	O3C10-MDW O3C20-MDW	O2C05-MDW O2C10-MDW O2C20-MDW	O4C10-MDW O4C20-MDW
Features						
Technology	Ultrasonic		Multi-Technology		Multi-Technology	
Mounting	Ceiling					
Coverage (SF)	500; 1000; 2000		1000; 2000		500; 1000; 2000	1000; 2000
Pattern	360°					
Mounting Height	8'-12'					
Adjustment	Self-Adjusting					
Time Delay	30s-30m					
Voltage	120-220/277 VAC, 50/60Hz					
Wattage/VA	800W/VA					
Occupancy or Vacancy	Occupancy		Vacancy		Occupancy	Vacancy
Auto or Manual	Both		Manual		Both	Manual
Ambient Light Override	Yes					
Other	Open/Closed Loop Daylight Harvesting with Manual/AutoCal Configuration; Momentary or Maintained Manual Switch Input; BMS/Emergency Interface		Momentary or Maintained Manual Switch Input; BMS/ Emergency Interface		Dual Relay; Open/Closed Loop Daylight Harvesting with Manual/AutoCal Configuration; Momentary or Maintained Manual Switch Input; BMS/Emergency Interface	Dual Relay; Momentary or Maintained Manual Switch Input; BMS/ Emergency Interface
Mechanical						
Switching Technology	Zero Cross					
Neutral Required	Yes					
Ground Required	No					
Power Pack	Not Required					
Consumption	60-30mA					
Photocell	AutoCal		No		Internal	No
HVAC Relay	Not Applicable					
Environmental Operating Temperature/ Humidity	0 to 40°C/ 0 to 90% Non-Condensing Indoor Use Only					
Certifications						
LIsting	UL					
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes					

LINE VOLTAGE
Commercial Grade

Specifications	ODC0S-I1W ODC0S-I2W ODC0S-I7W	ODWWV-IDW	ODWHB-IDW	ODWLR-IDW	ODW12-MDW
Features					
Technology	Passive Infrared				Multi-Technology
Mounting	Ceiling	Wall, Corner or Ceiling			
Coverage (SF)	530	2500	55x7	100	1200
Pattern	360°		8°	110° @ 10ft high	110°
Mounting Height	8'-15'	8'-12'	10'-30'	8'-10'	
Adjustment	Manual				
Time Delay	20s-15m				
Voltage	120-220/277 VAC; 60Hz; 50Hz; 60Hz				
Wattage/VA	1000VA; 500VA; 2700VA				
Occupancy or Vacancy	Occupancy	Vacancy			Occupancy
Auto or Manual	Auto	Manual			Both
Ambient Light Override	Yes				
Other	Self-Contained	Wide View, Includes Power Base	High Bay, Includes Power Base	Long Range, Includes Power Base	Multi-Use, Includes Power Base
Mechanical					
Switching Technology	Relay	Zero Cross			Relay
Neutral Required	Yes				
Ground Required	No				
Power Pack	Not Required				
Consumption	4W	60-30ma			0.7W-2.34W
Photocell	Internal	No			20-3000 Lux Adjustable
HVAC Relay	Not Applicable				
Environmental Operating Temperature/ Humidity	0 to 40°C/ 0 to 95% Non-Condensing, Indoor Use Only				
Certifications					
Listing	UL				
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes	Yes			

LINE VOLTAGE
Commercial Grade

Specifications	OSFHU	OSFHW	OSFHP	OSFHD
Features				
Technology	Passive Infrared			
Mounting	Fixture			
Coverage (SF)	400-1600	2400	400-1600	
Pattern	360° & Aisle Ways			
Mounting Height	Up to 40'	High Mount Lens: 20-40 feet, Low Bay Lens: 8-25 feet	Up to 40'	
Adjustment	Manual	Self-Adjusting	Manual	
Time Delay	30s-30m			
Voltage	120-230-277-347/480 VAC, 50/60Hz	120-277-347VAC, 50/60Hz	120-230-277-347/480 VAC, 50/60Hz	
Wattage/VA	800W/VA	800VA @ 120VAC Ballast 1200VA @ 277VAC Ballast 1500VA @ 347VAC Ballast Motor: 1/4 HP Load @ 120V	800W/VA	
Occupancy or Vacancy	Occupancy			
Auto or Manual	Auto			
Ambient Light Override	No			Yes
Other	Includes 2 Lenses for High Bay & Low Bay Applications	Includes 2 Lenses for High Bay & Low Bay Applications and an Aisle Mask Accessory	Includes 2 Lenses for High Bay & Low Bay Applications	
Mechanical				
Switching Technology	Zero Cross	Relay	Zero Cross	
Neutral Required	Yes			
Ground Required	No			
Power Pack	Not required			
Consumption	60-30mA	N/A	60-30mA	
Photocell	No			20-3000 LUX Adjustable
HVAC Relay	Not Applicable			
Environmental Operating Temperature/ Humidity	14-160°F/20-90% non-condensing, Indoor Use Only Cold Storage Model: -40-160°F/20-90% non-condensing, Indoor Use Only	40-160°F/20-90% non-condensing, Indoor Use Only	14-160°F/20-90% non-condensing, Indoor Use Only	14-160°F/20-90% non-condensing, Indoor Use Only Cold Storage Model: -40-160°F/20-90% non-condensing, Indoor Use Only
Certifications				
Listing	UL	UL, cUL, IP65	UL	
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes		Yes	

**LINE VOLTAGE
Commercial
Grade**

Specifications	OSFHS	HBE11	HB011	OSF20-IUW OSF20-ILW	OSF10
Features					
Technology	Passive Infrared				
Mounting	Fixture				
Coverage (SF)	2400				
Pattern	360° & Aisle Ways		360°	360° & Aisle Ways	360°
Mounting Height	Up to 40 feet	High Mount Lens: 45 feet indoors, 30 feet outdoors Low Mount Lens: 16 feet indoors and outdoors	High Mount Lens: 21-40 feet, Low Bay Lens: 13-20 feet	High Mount Lens: 20-40 feet, Low Bay Lens: 8-25 feet	Up to 8 feet
Adjustment	Manual		Manual/ Self-Adjusting	Manual	
Time Delay	30s-30m	1-15m	30s-30m		
Voltage	120-230-277-347/480 VAC, 50/60Hz	120/277/347VAC, 60Hz	120-230-277 or 347VAC, 50/60Hz	**-IUW:** 120-230-277-347V, 50/60Hz, **-ILW:** 24VAC/VDC	120-277 VAC, 50/60Hz
Wattage/VA	800W/VA	800W (120VAC) / 1200W (277VAC)	N/A	**-IUW:** Fluorescent Ballasts: 800VA @ 120VAC, 1200VA @ 277 VAC Incandescent: 800W @ 120V, Motor: 1/4 HP Load @ 120V, **-ILW:** N/A	800W/VA
Occupancy or Vacancy	Occupancy				
Auto or Manual	Auto				
Ambient Light Override	No	Daylight Harvesting/Dimming		No	
Other	Includes 2 Lenses for High Bay & Low Bay	Available lenses: High Bay 360, High Bay Aisle	Includes 2 Lenses for High Bay & Low Bay	Includes 2 Lenses for High Bay & Low Bay applications and aisle mask accessory	38" Leads
Mechanical					
Switching Technology	Zero Cross	Relay			Zero Cross
Neutral Required	Yes			No	
Ground Required	No				
Power Pack	No			**IUW:** No, **ILW:** Required	No
Consumption	No			**IUW:** No, **ILW:** 20mA	30-60mA
Photocell	No				
HVAC Relay	No				
Environmental Operating Temperature/ Humidity		-40-149°F, Indoor and Outdoor Use	14-22°F/20-70% non-condensing, Indoor Use Only	40-160°F/20-90% non-condensing, Indoor and Outdoor Use	32°F to 131°F / 20%-95% non-condensing
Certifications					
Listing		UL, IP65	UL, CSA	No	UL
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes		No	Yes	

LOW VOLTAGE
Commercial Grade

Specifications	OSC04-I0W	OSC04-RIW	OSC15-I0W	OSC15-RIW
Features				
Technology	Passive Infrared			
Mounting	Ceiling			
Coverage (SF)	450		1500	
Pattern	360°			
Mounting Height	8'-10'	8'-12' or 12'-20'	8'-10'	8'-12' or 12'-20'
Adjustment	Self-Adjusting, Self-Calibrating			
Time Delay	30s-30m			
Voltage	Use with OPP20 Power Pack			
Wattage/VA	Unlimited Through Use of Power Packs and Add-A-Relays			
Occupancy or Vacancy	Occupancy			
Auto or Manual	Auto			
Ambient Light Override	Yes	No	Yes	No
Other	Low Profile, Custom White Color for Shaded Spaces, -R Models Feature Isolated Relay			
Mechanical				
Switching Technology	Relay			
Neutral Required	Yes			
Ground Required	Yes			
Power Pack	24VDC Required			
Consumption	DC: 10mA	AC: 30mA DC: 15mA	DC: 10mA	AC: 30mA DC: 15mA
Photocell	20-3000 Lux Adjustable	None	20-3000 Lux Adjustable	None
HVAC Relay	Use OSCxxx-RxW w/Isolated Relay	Included	Use OSCxxx-RxW w/Isolated Relay	Included
Environmental Operating Temperature/ Humidity	0 to 40°C/ 0 to 95% Non-Condensing Indoor Use Only			
Certifications				
Listing	UL			
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes			

Specifications	OSC05-U0W	OSC05-RUW	OSC10-U0W	OSC10-RUW	OSC20-U0W	OSC20-RUW
Features						
Technology	Ultrasonic					
Mounting	Ceiling					
Coverage (SF)	500		1000		2000	
Pattern	180°		360°			
Mounting Height	8'-12'	8'-20'	8'-12'	8'-20'	8'-12'	8'-20'
Adjustment	Self-Adjusting, Self-Calibrating					
Time Delay	30s-30m					
Voltage	Use with OPP20 Power Pack					
Wattage/VA	Unlimited Through Use of Power Packs and Add-A-Relays					
Occupancy or Vacancy	Occupancy					
Auto or Manual	Auto					
Ambient Light Override	Yes	No	Yes	No	Yes	No
Other	Low Profile, Custom White Color for Shaded Spaces, -R Models Feature Isolated Relay					
Mechanical						
Switching Technology	Relay					
Neutral Required	Yes					
Ground Required	Yes					
Power Pack	24VDC Required					
Consumption	25mA	AC: 45mA DC: 25mA	35mA	AC: 50mA DC: 30mA	30mA	AC: 50mA DC: 30mA
Photocell	20-3000 Lux Adjustable	None	20-3000 Lux Adjustable	None	20-3000 Lux Adjustable	None
HVAC Relay	Use OSCxxx-RxW w/Isolated Relay	Included	Use OSCxxx-RxW w/Isolated Relay	Included	Use OSCxxx-RxW w/Isolated Relay	Included
Environmental Operating Temperature/ Humidity	0 to 40°C/ 0% to 95% Non-Condensing Indoor Use Only					
Certifications						
UL	Yes					
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes					

LOW VOLTAGE
Commercial Grade

Specifications	OSC05-M0W	OSC05-RMW	OSC10-M0W	OSC10-RMW	OSC20-M0W	OSC20-RMW
Features						
Technology	Multi-Technology					
Mounting	Ceiling					
Coverage (SF)	500		1000		2000	
Pattern	180°		360°			
Mounting Height	8'-12'	8'-12' or 12'-20'	8'-12'	8'-12' or 12'-20'	8'-12'	8'-12' or 12'-20'
Adjustment	Self-Adjusting, Self-Calibrating					
Time Delay	30s-30m					
Voltage	Use with OPP20 Power Pack					
Wattage/VA	Unlimited Through Use of Power Packs and Add-A-Relays					
Occupancy or Vacancy	Occupancy					
Auto or Manual	Auto					
Ambient Light Override	Yes	No	Yes	No	Yes	No
Other	Low Profile, Custom White Color for Shaded Spaces, -R Models Feature Isolated Relay					
Mechanical						
Switching Technology	Relay					
Neutral Required	Yes					
Ground Required	Yes					
Power Pack	24VDC Required					
Consumption	DC: 25mA	AC: 45mA DC: 25mA	DC: 35mA	AC: 50mA DC: 30mA	DC: 35mA	AC: 50mA DC: 30mA
Photocell	20-3000 Lux Adjustable	None	20-3000 Lux Adjustable	None	20-3000 Lux Adjustable	None
HVAC Relay	Use OSCxxx-RxW w/Isolated Relay	Included	Use OSCxxx-RxW w/Isolated Relay	Included	Use OSCxxx-RxW w/Isolated Relay	Included
Environmental Operating Temperature/ Humidity	0° to 40°C/ 0% to 95% Non-Condensing, Indoor Use Only					
Certifications						
Listing	UL					
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes					

LOW VOLTAGE
Commercial Grade

Specifications	OSWWV-I0W	OSWWV-RIW	OSWHB-I0W	OSWHB-RIW	OSWLR-I0W	OSWLR-RIW	OSW12-M0W	OSW12-RMW
Features								
Technology	Passive Infrared						Multi-Technology	
Mounting	Wall, Corner or Ceiling							
Coverage (SF)	2500		55x7		100x33.2		1200	
Pattern	110°		8°		27°-180°		110°	
Mounting Height	8'-10'		10'-30'		8'-10'			
Adjustment	Self-Adjusting, Self-Calibrating							
Time Delay	30s-30m							
Voltage	Use with OPP20 Power Pack							
Wattage/VA	Unlimited Through Use of Power Packs and Add-A-Relays							
Occupancy or Vacancy	Occupancy							
Auto or Manual	Auto							
Ambient Light Override	Yes	No	Yes	No	Yes	No	Yes	No
Other	Wide View, -R Models Feature Isolated Relay		High Bay, -R Models Feature Isolated Relay		Long Range, -R Models Feature Isolated Relay		Multi-Use, -R Models Feature Isolated Relay	
Mechanical								
Switching Technology	Relay							
Neutral Required	Yes							
Ground Required								
Power Pack	24VDC Required							
Consumption	DC: 15mA	AC:30mA DC: 15mA	DC: 15mA	AC:30mA DC: 15mA	DC: 15mA	AC:30mA DC: 15mA	DC: 25mA	AC: 45mA DC: 24mA
Photocell	20-3000 Lux Adjustable	None	20-3000 Lux Adjustable	None	20-3000 Lux Adjustable	None	20-3000 Lux Adjustable	None
HVAC Relay	Use OSCxxx-RxW w/Isolated Relay	Included	Use OSCxxx-RxW w/Isolated Relay	Included	Use OSCxxx-RxW w/Isolated Relay	Included	Use OSCxxx-RxW w/Isolated Relay	Included
Environmental Operating Temperature/ Humidity	0 to 40°C/ 0 to 95% Non-Condensing Indoor Use Only							
Certifications								
Listing	UL							
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes							

HIGH FREQUENCY
Commercial Grade

Specifications	OSM3D-V1W	OSM3D-DDW
Features		
Technology	Microwave	
Mounting	Wall or Ceiling	
Coverage (SF)	32-52'	
Pattern	150°, 360° ceiling	
Mounting Height	Up to 49 feet	
Adjustment	Manual	
Time Delay	10s-30m	5s-infinity
Voltage	120-277V 50/60Hz	
Wattage/VA	Tungsten: 800 W @ 120VAC, Electronic Driver/Ballast: 1000VA @ 120VAC, Driver: 1200VA @277VAC	120V @ 400W; 220-240V @ 800W; 277V@ 1000W
Occupancy or Vacancy	Occupancy	
Auto or Manual	Auto	
Ambient Light Override	Yes	
Other	Designed to detect movement behind low density fixture materials or behind objects made of plastic or glass	
Mechanical		
Switching Technology	Zero Cross	
Neutral Required	No	
Ground Required	No	
Power Pack	Not Required	
Consumption (mA)	≤0.5W (standby), <1W (operation)	
Photocell	Internal Photocell 5-50 LUX Adjustable	Internal Photocell 2-100 LUX Adjustable
HVAC Relay	No	
Environmental Operating Temperature/ Humidity	32 to 158°F/20-90% Non-Condensing, Indoor Use Only	
Certifications		
Listing	IP20	
Can be used to comply with 2019 Title 24, Part 6 occupancy requirements	Yes	

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