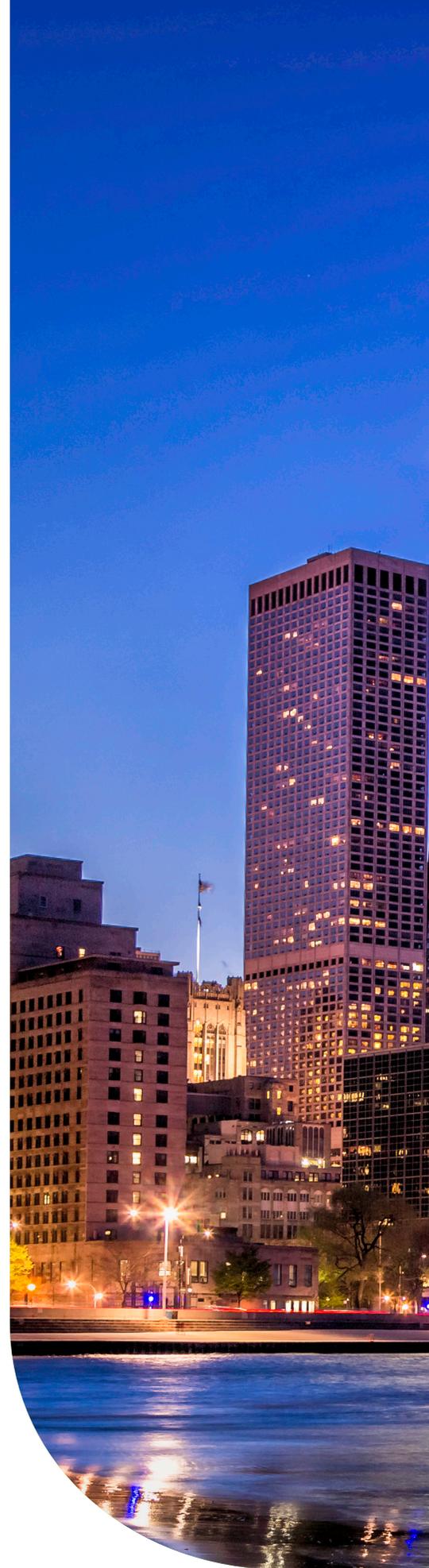# Smart Sensors

LEVITON®

Elevate Your Sensing Control Options

Smart, simple sensing and switching or dimming control for virtually any application

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Offering customers a complete code compliant, easy to install, and easy to commission solution

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App configurable with options for out-of-the-box operation and pushbutton configuration

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Select the sensing solution that best fits your needs—choose from simple standalone **Smart Wallbox Sensors** or for more advanced lighting control strategies, use **Smart Fixture Mount Sensors, Smart Ceiling Mount Room Controllers, and Smart Ceiling Mount Sensors.**

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Smart Sensors

From standalone sensors to self-contained advanced lighting controls, Leviton has a solution for virtually any application. The Smart Sensor line is engineered to be easy to design, install, and commission for code compliance. Smart Wallbox Sensors, Smart Fixture Mount Sensors, Smart Ceiling Mount Room Controllers, and Smart Ceiling Mount Sensors are fully configurable with the Smart Sensor App.

For Distributors

- Stock less models to meet more project requirements
- Offer differentiating features for a competitive advantage
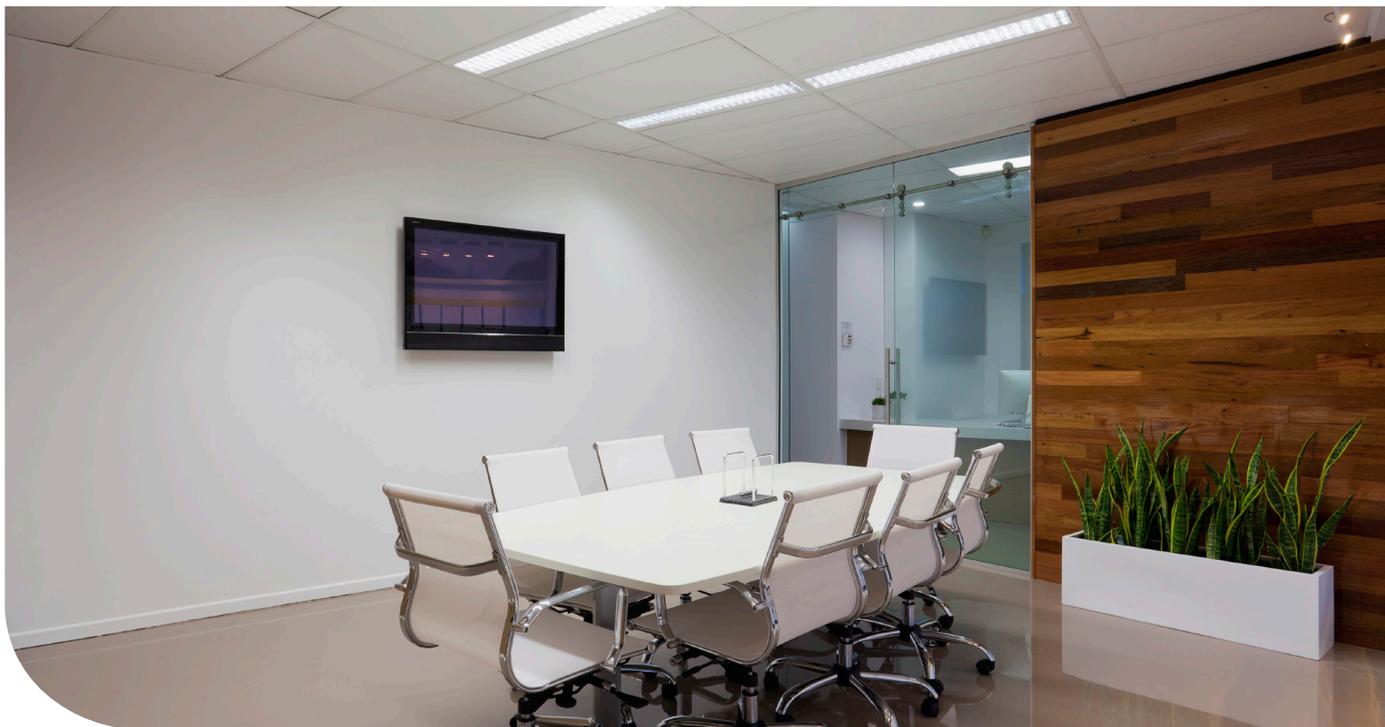- Take advantage of competitive pricing

For Contractors

- Complete more projects faster for more profits—installation is quick and easy with less components for labor, hardware, and time savings
- Reduce callbacks with professional commercial-grade quality solutons
- Meet more project opportunities

For Building Owners and Facility Managers

- Implement simple to use code compliant solutions for increased energy savings
- Enable as little or as many capabilities as needed with scalable solutions
- Modify the lighting control system with the app to meet changing occupant needs and code changes

For Specifiers

- Specify lighting control solutions with confidence
- Comply with national and local energy codes with solutions that are easy to design, install, and commission
- Make client handoffs easier with easy-to-use customer interfaces

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Smart Wallbox Sensors

Smart Wallbox Sensors combine occupancy/vacancy sensing with ON/OFF switching, 0-10V dimming, or phase-cut dimming to provide a simple commercial grade solution for easy energy savings, local control, and code compliance. Smart Wallbox Sensors offer easy programming and configuration with the Smart Sensor App, an out-of-the-box default mode for auto-ON/auto-OFF operation with a 10-minute timeout, and convenient pushbutton programming for common room settings. Ideal for for commercial spaces up to 1,100 SF including offices, meeting rooms, and lobbies.

Can be used to comply with IECC, ASHRAE 90.1, and Title 24, Part 6

Ladderless Commissioning with the Smart Sensor App

Select operating mode

Configure sensor settings (i.e. sensitivity, timeouts)

Enable partial-ON and partial-OFF

Configure daylighting settings

Program scheduling

Create multi-room templates

Select nightlight color

Combines occupancy/ vacancy sensing and ON/OFF switching

Combines occupancy/ vacancy sensing and 0-10V or phase-cut dimming

Occupancy/vacancy sensing

PIR only and multi-tech (PIR & microphonics) models

ON/OFF switching

0-10V dimming or phase-cut 1000W dimming

Partial-ON and partial-OFF

Daylighting hold-OFF

Add a power pack and controlled receptacles for plug load control

Antimicrobial models available

Choose from out-of-the-box default mode, pushbutton programming, and app configuration

Push-to-pair programming for multi-way control for up to 5 devices

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Smart Fixture Mount Sensors

Smart Fixture Mount Sensors are IP66 rated and designed for use with switching, 0-10V LED dimming drivers, and fluorescent ballasts. The sensors use PIR detection technology and advanced optics to provide an exceptional field-of-view (FOV) for mounting heights from 8 to 40 feet. Configuration is made using the Leviton Smart Sensor App from a Bluetooth-enabled Android or iOS device. Ideal for warehouses, parking lots and garages, outdoor sports facilities, and building facades.

Can be used to comply with IECC, ASHRAE 90.1, and Title 24, Part 6

Ladderless Commissioning with the Smart Sensor App

Select operating mode

Configure sensor settings (i.e. sensitivity, timeouts)

Enable partial-ON and partial-OFF

Configure daylighting settings

Grouping

Program scheduling (universal models only)

Create multi-room templates

Occupancy/vacancy sensing

IP66 Rated

ON/OFF switching

0-10V dimming

Partial-ON and partial-OFF

Multiple daylighting modes: daylighting hold-OFF, (switching), daylight harvesting (dimming), and daylight transition lighting (reverse daylight harvesting)

Largest field-of-view for 8' to 40' mounting heights

Universal voltage models

Out-of-the-box default mode

Internal fixture mount model

End/external fixture mount model

Includes low bay and high bay lenses and aisleway masks

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Smart Ceiling Mount Room Controllers and Sensors

The Smart Ceiling Mount Room Controller (SRC) and Smart Ceiling Mount Sensor (CMS) line simplifies advanced lighting controls by integrating several control strategies into a compact, self-contained, cost-effective, and easy-to-install and commission device. Ideal for education, commercial spaces, healthcare, hospitality, and retail applications.

System fine-tuning and adjustments from the palm of your hand

Ladderless Commissioning with the Smart Sensor App

Select sensing technology

Select operating mode

Configure sensor settings

Enable partial-ON and partial-OFF

Configure daylighting settings

Network devices to expand FOV coverage

Program scheduling

Create multi-room templates

Configure PLVSW Low Voltage Keypads, Wireless Companion Switches, and Wireless Companion Dimmers

Wireless manual switching or dimming control

Can be used to comply with IECC, ASHRAE 90.1, and Title 24, Part 6

Standalone, networkable, wireless advanced lighting control

Integrated occupancy/vacancy sensor, photocell, and power pack in a self-contained device

Occupancy/vacancy sensing

0-10V dimming, partial-ON, and partial-OFF (SRC)

ON/OFF switching (CMS)

Daylight harvesting (SRC) Daylighting hold-OFF (CMS)

Automatic closed or open loop daylighting

Plug load control

Demand response

UL924 Listed for emergency lighting

Single and dual relay models include 2 interchangeable lenses and aisleway masks

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Smart Wallbox Sensors Comparison

Features	Smart Wallbox Sensors			
	ODS15-IDx ODS15-GDx ODS15-I1x	ODD10-IDx	ODD24-IDW	ODP10-I1x
Technology	PIR			
Mounting	Wall			
Coverage (SF)	1,100			
Pattern	180°			
Mounting Height	40-48"			
Configuration	Out-of-the-box default mode, pushbutton programming, app configurable with the Smart Sensor App			
Time Delay	10 or 20 minutes			
Voltage	120-277VAC, 50/60Hz (ODS15-IDx, ODS15-GDx) 120VAC, 60Hz (ODS15-I1x)	120-277VAC, 50/60Hz	24VDC	120VAC, 50/60Hz
Occupancy or Vacancy	Occupancy and vacancy			
Dimming	Switching only	0-10V dimming	0-10V dimming	Phase-cut (1000W)
Daylighting	Ambient light override or daylighting hold-OFF			
Other	Connect up to 5 devices for multi-way control; create multi-room templates for fast room replication	Connect up to 5 devices for multi-way control; create multi-room templates for fast room replication	Connect up to 5 devices for multi-way control; create multi-room templates for fast room replication	Connect up to 5 devices for multi-way control; create multi-room templates for fast room replication
Listing	UL, cUL, FCC, IECC, IC			
Code Compliant	Can be used to comply with IECC, ASHRAE 90.1, and 2022 Title 24, Part 6 occupancy/vacancy, dimming, daylight harvesting, and plug load control requirements			

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Smart Wallbox Sensors Comparison

Features	Smart Wallbox Sensors			
	ODSMT-MDx	**ODDMT-MDx**	**ODDMT-MLx**	**ODP10-M1x**
Technology	Multi-Technology (PIR & microphonics)			
Mounting	Wall			
Coverage (SF)	1,100			
Pattern	180°			
Mounting Height	30-40"			
Configuration	Out-of-the-box default mode, pushbutton programming, app configurable with the Smart Sensor App			
Time Delay	10 or 20 minutes			
Voltage	120-277VAC, 50/60Hz	120-277VAC, 50/60Hz	24VDC	120VAC, 50/60Hz
Occupancy or Vacancy	Occupancy and vacancy			
Dimming	Switching only	0-10V dimming	0-10V dimming	Phase-cut (1000W)
Daylighting	Ambient light override or daylighting hold-OFF			
Other	Connect up to 5 devices for multi-way control; create multi-room templates for fast room replication	Connect up to 5 devices for multi-way control; create multi-room templates for fast room replication	Connect up to 5 devices for multi-way control; create multi-room templates for fast room replication	Connect up to 5 devices for multi-way control; create multi-room templates for fast room replication
Listing	UL, cUL, FCC, IECC, IC			
Code Compliant	Can be used to comply with IECC, ASHRAE 90.1, and 2022 Title 24, Part 6 occupancy/vacancy, dimming, daylight harvesting, and plug load control requirements			

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Smart Fixture Mount Sensors Comparison

Features	Smart Fixture Mount Sensors (FMS)			
	ZLD1Z-I0W ODS15-GDx ODS15-I1x	ZLDUZ-I0W	OFD1Z	OFDUZ
Technology	PIR			
Mounting	Internal fixture mount		End/external fixture mount	
Coverage (SF)	Up to 8,250			
Pattern	360°			
Mounting Height	8-40'			
Configuration	Out-of-the-box default mode and app configurable with the Smart Sensor App			
Time Delay	20 minutes			
Voltage	120-277VAC	120-480VAC	120-277VAC	120-480VAC
Occupancy or Vacancy	Occupancy			
Dimming	0-10V dimming	0-10V dimming	0-10V dimming	0-10V dimming
Daylighting	Multiple daylighting modes: daylighting hold-OFF, (switching), daylight harvesting (dimming), and daylight transition lighting (reverse daylight harvesting)			
Scheduling	No	Yes	No	Yes
Other	IP66 rated, includes 2 interchangeable lenses and aisleway masks; create multi-room templates for fast room replication			
Listing	UL, cUL, FCC, IECC, IC			
Code Compliant	Can be used to comply with IECC, ASHRAE 90.1, and 2019 Title 24, Part 6 occupancy sensing, dimming, and daylight harvesting requirements			

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Smart Ceiling Mount Room Controllers and Sensors Comparison

Features	Smart Ceiling Mount Room Controllers (SRC) and Smart Ceiling Mount Sensors (CMS)				
	ACY15-DIW	AC705-DMW ACY20-DMW	ACS15-DIW	ACS05-DMW ACS10-DMW ACS20-DMW	AC205-DMW AC220-DMW
Technology	PIR	Multi-Technology (PIR & U/S)	PIR	Multi-Technology (PIR & U/S)	Multi-Technology (PIR & U/S)
Mounting	Ceiling Mount				
Coverage (SF)	450-1,500	500 2,000	450-1,500	500 1,000 2,000	500 2,000
Pattern	360°				
Mounting Height	6-20'				
Configuration	Out-of-the-box default mode, pushbutton programming, app configurable with the Smart Sensor App				
Time Delay	30 seconds to 60 minutes				
Voltage	120-277VAC				
Number of Zones	2	1 (AC705-DMW) 2 (ACY20-DMW)	1	1	2
Occupancy or Vacancy	Occupancy and vacancy				
Dimming	0-10V dimming	0-10V dimming	Switching only	Switching only	Switching only
Daylighting	Daylight harvesting		Ambient light hold-OFF or daylighting hold-OFF		
Scheduling	Yes				
Manual Control	PLVSW 1-, 2-, and 4-Button Low Voltage Keypads, Wireless Companion Switch, or Wireless Companion Dimmer		PLVSW 1- and 2-Button Low Voltage Keypads or Wireless Companion Switch		
Other	Combines occupancy/vacancy sensor, photocell, and power pack; includes 2 interchangeable lenses and aisleway masks; true 2-zone control: wirelessly network up to 5 Smart Room Controllers and Smart Ceiling Mount Sensors to expand FOV; create multi-room templates for fast room replication; UL924 Listed				
Listing	UL773A (Occupancy Standard), UL924 (Emergency Equipment), cUL Listed, NOM Certified, RoHS Compliant, NY LLC48 Compliant				
Code Compliant	Can be used to comply with IECC, ASHRAE 90.1, and 2022 Title 24, Part 6 occupancy/vacancy sensing, 0-10V dimming, partial-ON, partial-OFF, daylight harvesting, demand response, and plug load control requirements		Can be used to comply with IECC, ASHRAE 90.1 and 2022 Title 24, Part 6 occupancy/vacancy sensing, daylight harvesting, demand response, and plug load control requirements		

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