

Lighting Controls

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:



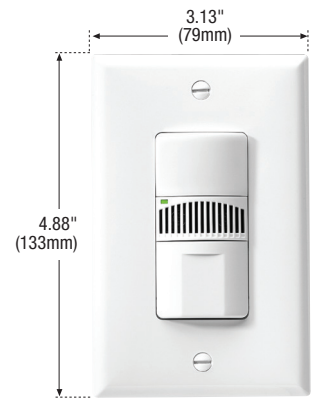
Dual Tech Wall Mount Occupancy Sensor with Instinct™ Technology

Single or Dual Relay
120/277V/AC, Requires Neutral
Incandescent, Halogen, Fluorescent, Motor

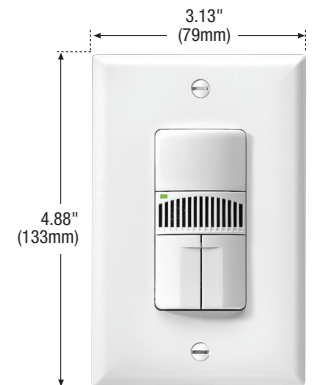
Commercial Specification Grade Dual Tech Occupancy Sensor

Features

- Selectable Automatic ON mode or Manual ON mode
- Convenient installation and test mode for set up
- Adjustable built-in light level sensor
- Selectable time delay
- California Title 24 compliant
- For use with Incandescent lamps, Halogen fixtures, Electronic and Magnetic Fluorescent ballasts, and Electrical motor loads
- 120V and 277V in the same unit
- Self-adjusts sensitivity and time delay in real-time with Instinct Technology
- Single-Pole or 3-Way wiring
- Manual OFF push button can be used in either automatic or manual mode
- Reinforced lens is tamper-resistant
- Zero-crossing technology to maximize relay life and ensure wall switch longevity
- Fits standard size Decorator wallplate



OSD10N



OSD10DN

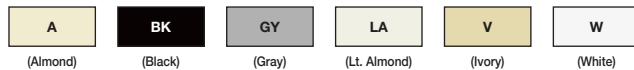
Wire Leads – Wall Mount



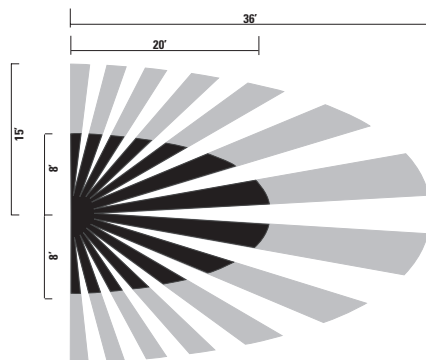
Coverage Area	Description	Color Suffix	Catalog No.
1000 sq. ft. major motion (92.2 sq. m) 300 sq. ft. minor motion (27.9 sq. m)	180° Dual Tech Single Relay Occupancy Sensing Wall Switch	A, BK, GY, LA, V, W	<input type="checkbox"/> OSD10N__
1000 sq. ft. major motion (92.2 sq. m) 300 sq. ft. minor motion (27.9 sq. m)	180° Dual Tech Dual Relay Occupancy Sensing Wall Switch	A, BK, GY, LA, V, W	<input type="checkbox"/> OSD10DN__

Color Ordering Information

For ordering devices, include Cat. No. followed by the color code: A (Almond), BK (Black), LA (Light Almond), V (Ivory), W (White)



Coverage Areas



Minor Motion, IR Maximum coverage area may vary somewhat according to room shape and the presence of obstacles.
Major Motion, IR

TESTING & CODE COMPLIANCE

- Listed to UL 508
- California Title 24 Energy Code compliant
- RoHS Compliant

MATERIAL CHARACTERISTICS

- Environmental: Flammability meets UL 94 requirements; V0 rated
- Temperature Rating: 0°C to 40°C (32°F to 104°F)

Occupancy Sensor Specification & Performance Data

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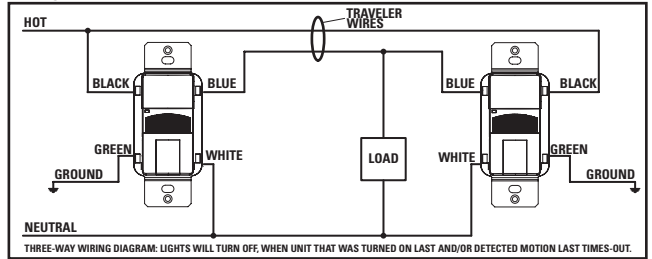
Application

The Cooper Wiring Devices stylish Dual Tech Wallbox sensor provides a convenient energy saving lighting control alternative for 120V – 277V, in both single and dual output configurations. The use of self-adaptive Instinct™ technology optimizes the potential energy savings by automatically adjusting the sensor behavior to the existing conditions in real-time. The sensor also includes light level sensing capability to further enhance the energy savings by preventing automatic control of the lights when the ambient light level is sufficient. This sensor is easily installed in any standard wallbox to control most lighting loads and is available in six colors.

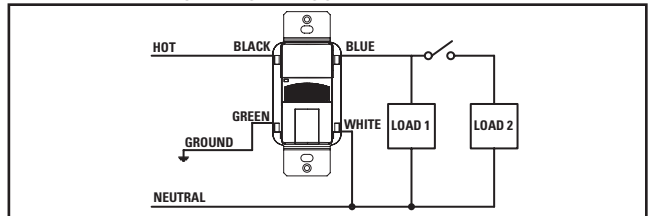
	Device Type	Dual Tech Wall Mount Occupancy Sensor, OSD10N	Dual Tech Wall Mount Occupancy Sensor, OSD10DN
	Wiring Type	Pre-stripped wire leads	Pre-stripped wire leads
	Testing & Code Compliance	Listed to UL 508 California Title 24 Energy Code compliant	Listed to UL 508 California Title 24 Energy Code compliant
	Warranty	5-year limited warranty	5-year limited warranty
Specifications: Environmental	Flammability	Meets UL 94 requirements; V0 rated	Meets UL 94 requirements; V0 rated
	Temperature Rating	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
	Humidity Rating	Relative humidity less than 90%, non-condensing	Relative humidity less than 90%, non-condensing
	Operating Areas	For indoor use only	For indoor use only
Specifications: Electrical	Power Requirements	120/277VAC @ 60 Hz	120/277VAC @ 60 Hz
	Maximum Load	Incandescent/halogen @120V: 6.7A, 800W, 60Hz Fluorescent @120V: 10A, 1200W, 60Hz Fluorescent @277V: 9.8A, 2700W, 60Hz Motor @120V: 1/4 HP @125 V/AC	Incandescent/halogen @120V: 6.7A, 800W, 60Hz Fluorescent @120V: 10A, 1200W, 60Hz Fluorescent @277V: 9.8A, 2700W, 60Hz Motor @120V: 1/4 HP @125 V/AC
Specifications: Mechanical	Detection Technology	Passive Infrared and Ultrasonic	Passive Infrared and Ultrasonic
	Mounting	NEMA wall box	NEMA wall box
	LED Indicating Lamp	Red PIR, Green Ultrasonic	Red PIR, Green Ultrasonic
Specifications: Operation	Time Delay	Adjustable, from 5 sec. to 30 min.	Adjustable, from 5 sec. to 30 min.
	Coverage	1000 sq ft. in 180° field of view	1000 sq ft. in 180° field of view
	Operating Modes	Automatic ON/Automatic OFF Manual ON/Automatic OFF	Automatic ON/Automatic OFF Manual ON/Automatic OFF
	DIP Switch	Accessed by removable push button	Accessed by removable push button
Specifications: Materials	Lens	Reinforced, tamper-resistant Fresnel lens	Reinforced, tamper-resistant Fresnel lens
	Housing	Injection molded Polycarbonate resin housing	Injection molded Polycarbonate resin housing
Dimensional Data	Mounting Plate	4.15"H X 1.94"W (10.54cm x 4.92cm)	4.15"H X 1.94"W (10.54cm x 4.92cm)
	Product Housing	2.73"H X 1.8"W X 1.8"D (6.93cm x 4.57cm x 4.57cm)	2.73"H X 1.8"W X 1.8"D (6.93cm x 4.57cm x 4.57cm)

OSD10N Wiring Diagrams

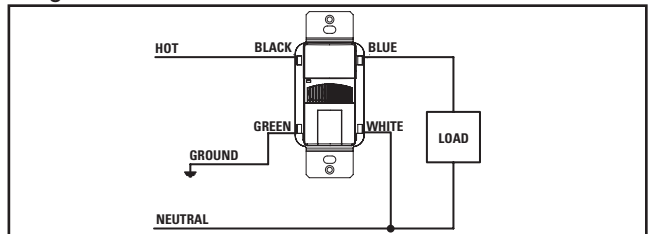
Single Level 3-Way



Dual Level Wiring Using a Toggle Switch

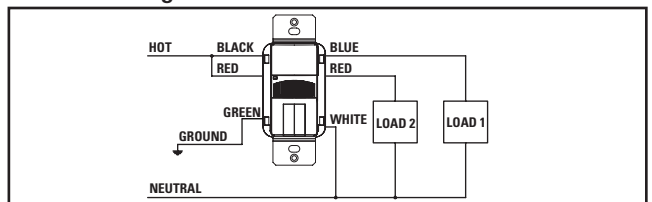


Single Level

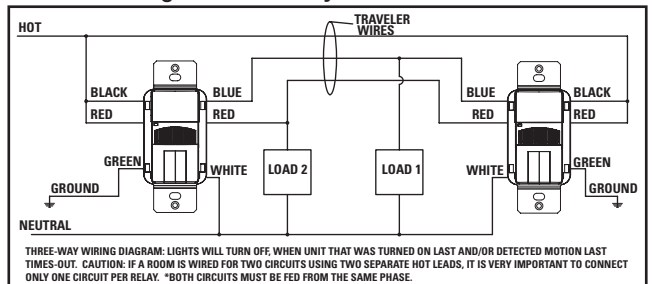


OSP10DN Wiring Diagrams

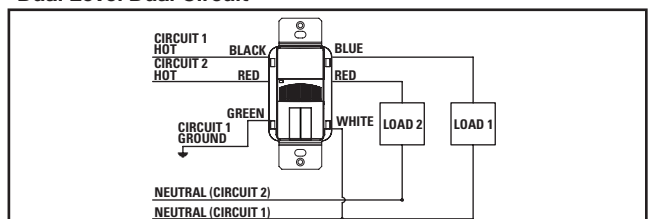
Dual Level Single Circuit



Dual Level Single Circuit 3-Way



Dual Level Dual Circuit



Specifications and availability subject to change without notice.