

HUBBELL CONTROL SOLUTIONS

Lighting control technologies provide intuitive and flexible deployment options to meet code, enhance comfort, increase energy savings and improve operating efficiency for enterprises of any size.

CONTROLS TABLE OF CONTENTS

CX LIGHTING CONTROL SYSTEMS	71	OMNI® LOW VOLTAGE PIR.	76
LIGHTHAWK®.	72	POWER PACKS.	76
LIGHTHAWK®		UL924.	77
PRODUCT SELECTION GUIDE.	73	WALLBOX DIMMERS.	78
WASP.	74	LOW VOLTAGE SWITCHES.	78
OMNI® DUAL TECHNOLOGY	75		



CX LIGHTING CONTROL SYSTEMS

COMMERCIAL LIGHTING CONTROL PANELS, RELAY AND SWITCHES

- LCD user interface with keypad
- Astronomical and real time clock
- Programmable dry contact inputs (dependent on panel size)
- Selectable pre-programmed scenarios
- Programmable switches for a variety of button functions



Model	Length	Width	Height	Weight
CX08 Panel	17.0in.	14.5in.	4.0in.	24.4lbs.
CX16 Panel	24.0in.	20.0in.	4.0in.	39.4lbs.
CX24 Panel	24.0in.	20.0in.	4.0in.	41.7lbs.
Emergency Relay	5.5in.	1.6in.	1.5in.	0.2lbs.
Dimming Card	3.5in.	3.5in.	1.75in.	0.5lbs.
Switches	4.3in.	1.1in.	1.1in.	0.2lbs.

Part #	Catalog #	UPC	Relay	# of Relays	Voltage	Stock Location			
						CA	GA	IL	NJ
Panels									
CX082S083LM	CX082S083LM	640181200631	8	1-Pole Latching	120/277VAC	•			
CX162S163LM	CX162S163LM	640181200938	16	1-Pole Latching	120/277VAC	•			
CX242S243LM	CX242S243LM	640181201058	24	1-Pole Latching	120/277VAC	•			

Part #	Catalog #	UPC	Relay	SCCR Rating	Voltage	Stock Location			
						CA	GA	IL	NJ
Emergency Relay									
CX3LEM	CX3LEM	640181729330	Latching	5K Amps	120/277/347VAC			•	

Part #	Catalog #	UPC	Panel Dimming Option Card Capacity			Stock Location			
						CA	GA	IL	NJ
Dimming Card									
CXDIMCONTRBD	CXDIMCONTRBD	64018170163	CX08 – 1 CX Dimming Option Card	CX16 – Up to 2 CX Dimming Option Cards	CX24 – Up to 3 CX Dimming Option Cards	•			

Part #	Catalog #	UPC	Button Cap Legends Supplied					Stock Location			
			Raise	Lower	ON	OFF	ON/OFF	CA	GA	IL	NJ
Switches											
CXSW-1-WH	CXSW-1-WH	640181712080	—	—	—	—	1	•			
CXSW-2-WH	CXSW-2-WH	640181712097	1	1	1	1	—	•			
CXSW-3-WH	CXSW-3-WH	640181712103	1	1	—	—	3	• •			
CXSW-4-WH	CXSW-4-WH	640181712110	1	1	2	2	—	• •			
CXSW-6-WH	CXSW-6-WH	640181712127	—	—	—	—	—	• •			

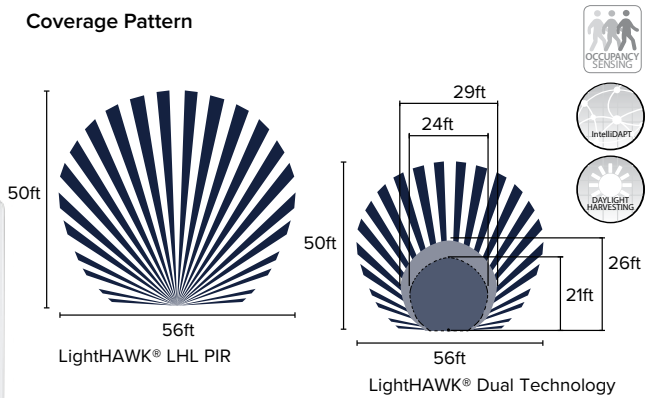
IMPORTANT: CXSW Switches connect to the Dimming Controller Option Board (CXDIMCONTRBD). These switch stations do not connect to the CX Panel without the dimming card.

LIGHTHAWK®
WALL SWITCH
OCCUPANCY SENSOR

- Ultrasonic and Passive Infrared technologies for exceptional motion detection
- Manual–ON (Vacancy Sensor) or Automatic–ON (Occupancy Sensor) operation
- Patented IntelliDAPT® Technology
- 0–10V dimming versions available
- Built–in photo sensor for automatic daylight harvesting
- 400–1000 square–foot coverage area depending on model
- Fits standard decorator wall plate



Coverage Pattern



■ US Minor Motion □ US Major Motion ■ IR Major Motion

Model	Length	Width	Height	Weight
LightHAWK® Dimming PIR	1.7in.	1.7in.	3.3in.	0.5lbs.
LightHAWK® Dual Technology	1.7in.	1.7in.	3.3in.	0.5lbs
LightHAWK® Dual Technology Dimming	1.7in.	1.7in.	3.3in.	0.5lbs.
LightHAWK® PIR	1.7in.	1.7in.	3.3in.	0.5lbs.
LightHAWK® LHL PIR	1.7in.	1.7in.	3.3in.	0.5lbs.

Part #	Catalog #	UPC	Dimming	Technology	Voltage	Stock Location			
						CA	GA	IL	NJ
LightHAWK® Dimming PIR									
LHDMIRS3–N–WH	LHDMIRS3–N–WH	640181724496	0–10V	Passive Infrared	120/277V				•
LightHAWK® Dual Technology									
LHMTS1–N–WH	LHMTS1–N–WH	640181903938	No	Passive Infrared, Ultrasonic	120/277V		•	•	
LHMTS1–G–WH	LHMTS1–G–WH	640181903839	No	Passive Infrared, Ultrasonic	120/277V		•	•	•
LHDCMTD2–G–WH	LHDCMTD2–G–WH	640181715739	No	Passive Infrared, Ultrasonic	120/277V		•	•	
LHDCMTD2–N–WH	LHDCMTD2–N–WH	640181715739	No	Passive Infrared, Ultrasonic	120/277V		•	•	
LightHAWK® Dual Technology Dimming									
LHDMMTS2-N-WH	640181724687	640181715739	0–10V	Passive Infrared, Ultrasonic	120/277V		•	•	
LightHAWK® PIR									
LHIRS1–G–WH	LHIRS1–G–WH	640181900739	No	Passive Infrared	120/277V		•	•	
LHIRS1–N–WH	LHIRS1–N–WH	640181900913	No	Passive Infrared	120/277V		•	•	
LHDCIRD2–G–WH	LHDCIRD2–G–WH	640181715432	No	Passive Infrared	120/277V		•		
LHDCIRD2–N–WH	LHDCIRD2–N–WH	640181714534	No	Passive Infrared	120/277V		•		
LightHAWK® LHL PIR									
LHL–IRS1–G–WH	LHL–IRS1–G–WH	640181708861	No	Passive Infrared	120/277V				•

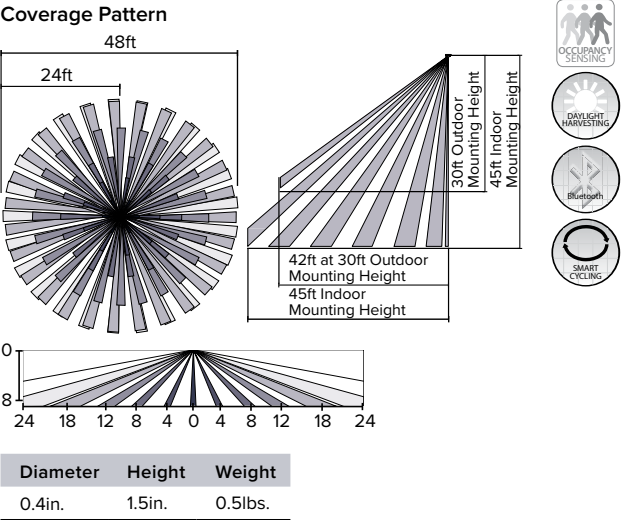
LIGHTHAWK®
PRODUCT SELECTION GUIDE

Features

FEATURES		tradeSELECT®  LightHAWK® LHL PIR	Additional LightHAWK®  LightHAWK® PIR	Additional LightHAWK®  LightHAWK® Dual Tech
	Easy to Install	Yes	Yes	Yes
	Features	+	++	+++
PERFORMANCE	Sensing Technology	PIR	PIR	PIR/US
	Self–adjusting Settings	No	Yes – IntelliDAPT	Yes – IntelliDAPT
	Mounting	Standard Switch Box	Standard Switch Box	Standard Switch Box
	Coverage	1,000 Sq. Ft., 180° coverage area	1,000 Sq. Ft., 180° coverage area	1,000 Sq. Ft, 180° coverage area
	Voltage	120/277VAC;50/60Hz	120/277VAC;50/60Hz 347VAC; 50/60Hz 24VDC (requires UVPP)	120/277VAC;50/60Hz 347VAC; 50/60Hz 24VDC (requires UVPP)
	Electrical Ratings	120VAC: 800W Incandescent/ Electronic Ballast/ LED Driver: 1,000W Magnetic Ballast; 1/6 HP Motor	120VAC: 800W Incandescent/ Electronic Ballast/ LED Driver: 1,000W Magnetic Ballast; 1/6 HP Motor 277VAC: 1,800W Magnetic Ballast/ Electronic Ballast/ LED Driver: 1/6 HP Motor 347VAC: 1,500W Magnetic Ballast/ Electronic Ballast/ LED Driver: 1/6 HP Motor	120VAC: 800W Incandescent/ Electronic Ballast/ LED Driver: 1,000W Magnetic Ballast; 1/6 HP Motor 277VAC: 1,800W Magnetic Ballast/ Electronic Ballast/ LED Driver: 1/6 HP Motor 347VAC: 1,500W Magnetic Ballast/ Electronic Ballast/ LED Driver: 1/6 HP Motor
	Minimum Load	None	None	None
	Operating Modes	Occupancy (Auto–ON) / Vacancy (Manual–ON)	Occupancy (Auto–ON) / Vacancy (Manual–ON)	Occupancy (Auto–ON) / Vacancy (Manual–ON)
	Time Delay	4, 8, 16, 20 mins	4, 8, 15, 30 mins	4, 8, 15, 30 mins
	Photocell	10–500 foot–candles	10–500 foot–candles	10–500 foot–candles
	Relay	Single	Single and Dual versions	Single and Dual versions
	Operating Environment	Indoor	Indoor	Indoor
	Occupancy and Daylight Harvesting	Yes	Yes	Yes
	Construction	RhinoTuff vandal resistant lens	RhinoTuff vandal resistant lens	RhinoTuff vandal resistant lens
	Color	White; Ivory; Light Almond; Gray; Black	White; Ivory; Light Almond; Gray; Black	White; Ivory; Light Almond; Gray; Black
	Certifications	Title 24, cULus	Title 24, cULus	Title 24, cULus

WASP
FIXTURE MOUNT
OCCUPANCY SENSORS

- Bluetooth® programming via controlHUBB App
- ON/OFF Control & 0–10V dimming models
- Tri-level set points
- Cloning of sensor settings
- Patented Intelliscope™ technology showing real-time occupancy data
- Multiple daylight harvesting modes



Part #	Catalog #	UPC	Coverage	Mounting	Voltage	Bluetooth®	Stock Location			
							CA	GA	IL	NJ
WSPERMUNV	WSPERMUNV	640181200839	See Lens Options*	End Mount	120/277/347V AC	–	•	•	•	
WSPSMUNV	WSPSMUNV	640181200419	See Lens Options*	Surface Mount	120/277/347V AC	–		•		
WSPSM24V	WSPSM24V	640181200457	See Lens Options*	Surface Mount	24VDC	–		•		
WSPLWOSM24V	WSPLWOSM24V	640181719621	See Lens Options*	Surface Mount	24VDC	–		•		
WSPDBEMUNV	WSPDBEMUNV	640181728579	See Lens Options*	End Mount	120–480V AC	Yes				•
WSPDBSMUNV	WSPDBSMUNV	640181728630	See Lens Options*	Surface Mount	120–480V AC	Yes				•
WSPDBSM24V	WSPDBSM24V	640181728609	See Lens Options*	Surface Mount	24V DC	Yes				•
WSPDLWOBSM24V	WSPDLWOBSM24V	640181729477	See Lens Options*	Surface Mount	24V DC	Yes				•
Lens Options										
WSP–L360–WH	WSP–L360–WH	640181708298	360° Area Lens	–	–	–				•
WSP–L360–LM–WH	WSP–L360–LM–WH	640181708359	360° Area Lens	–	–	–				•
WSPLWO–L360–WH	WSPLWO–L360–WH	640181718549	360° Area Lens	–	–	–				•
WSPLWO–L360–LM–WH	WSPLWO–L360–LM–WH	640181718518	360° Area Lens	–	–	–				•

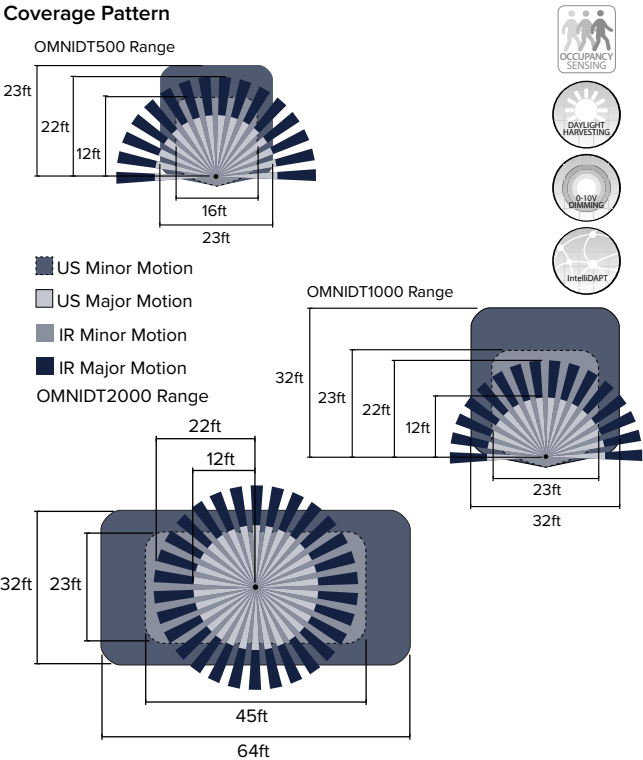
*Lenses sold separately.
Ordering Example: WSPDBEMUNV Sensor + WSP–L360–WH Lens
The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Hubbell Lighting Inc. is under license. Other trademarks and trade names are those of their respective owners.

OMNI® DUAL
TECHNOLOGY
CEILING SENSOR

- Ultrasonic and Passive Infrared technologies for exceptional motion detection
- Smart IntelliDAPT® Technology eliminates false triggers
- 500–2000 Sq. Ft. coverage area per sensor (depending on model)
- Optional relay and photocell control



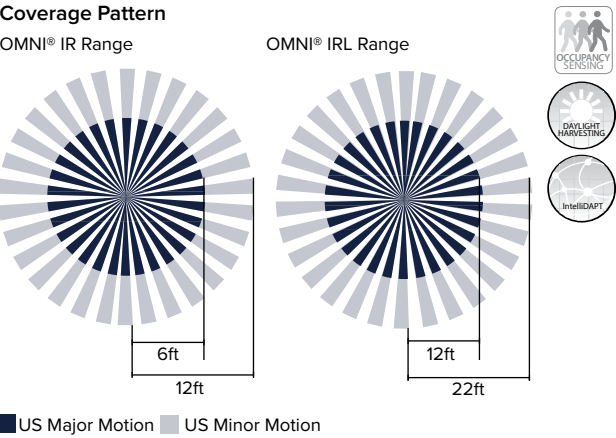
Diameter	Height	Weight
4.0in.	1.5in.	0.5lbs.



Part #	Catalog #	UPC	Technology	Coverage	Voltage	Stock Location			
						CA	GA	IL	NJ
OMNIDT500	OMNIDT500	640181402660	Passive Infrared & Ultrasonic	180°, 500 Sq. Ft.	24V DC	•	•		
OMNIDT500RP	OMNIDT500RP	640181402714	Passive Infrared & Ultrasonic	180°, 500 Sq. Ft.	24V DC	•	•		
OMNIDT1000	OMNIDT1000	640181402769	Passive Infrared & Ultrasonic	180°, 1000 Sq. Ft.	24V DC	•	•	•	
OMNIDT1000RP	OMNIDT1000RP	640181402813	Passive Infrared & Ultrasonic	180°, 1000 Sq. Ft.	24V DC	•	•	•	
OMNIDT1000BP1277	OMNIDT1000BP1277	640181411938	Passive Infrared & Ultrasonic	180°, 1000 Sq. Ft.	120/277V AC	•	•		
OMNIDT2000	OMNIDT2000	640181402868	Passive Infrared & Ultrasonic	360°, 2000 Sq. Ft.	24V DC	•	•	•	
OMNIDT2000RP	OMNIDT2000RP	640181402912	Passive Infrared & Ultrasonic	360°, 2000 Sq. Ft.	24V DC	•	•	•	
OMNIDT2000BP1277	OMNIDT2000BP1277	640181411945	Passive Infrared & Ultrasonic	360°, 2000 Sq. Ft.	120/277V AC	•	•		

OMNI® PIR CEILING SENSOR

- Ultrasonic and Passive Infrared technologies for exceptional motion detection
- Smart IntelliDAPT® Technology eliminates false triggers
- 500–2000 Sq. Ft. coverage area per sensor (depending on model)
- Optional relay and photocell control



Model	Diameter	Height	Weight
OMNI	4.5in.	1.5in.	0.5lbs.
OMNIDT	4.5in.	1.5in.	1.0lbs.

Part #	Catalog #	UPC	Technology	Coverage	Voltage	Stock Location			
						CA	GA	IL	NJ
OMNIIR	OMNIIR	640181403261	Passive Infrared	360°, 450 Sq. Ft.	24V DC	•	•		
OMNIIRL	OMNIIRL	640181403360	Passive Infrared	360°, 1500 Sq. Ft.	24V DC	•	•		
OMNIIRLRP	OMNIIRLRP	640181715432	Passive Infrared	360°, 1500 Sq. Ft.	24V DC	•	•		

POWER PACKS UNIVERSAL VOLTAGE POWER PACKS

- Automatic voltage detection
- Electrical load switching capability; maximum of 20 Amps
- Regulated 24V DC current
- 150mA output short circuit protected
- Plenum rated
- Mounts inside or outside a junction box



Length	Width	Height	Weight
2.3in.	1.3in.	3.6in.	0.5lbs.

Part #	Catalog #	UPC	Low Voltage Switch Input	Voltage	Stock Location			
					CA	GA	IL	NJ
UVPP	UVPP	640181801685	No	120–277V AC	•	•	•	
UVPPM	UVPPM	640181720221	Yes	120–277V AC	•	•		

UL924 AUTOMATIC LOAD RELAY

- Meets NEC Article 700 requirements for emergency lighting
- Dual voltage, 120 or 277V operation
- Normally closed contacts for emergency lighting
- Normally open contacts for 0–10V dimming override
- Provision for remote test button or fire alarm interface
- Multi-color function LED
- Suitable for use in return air plenums



Length	Width	Height	Weight
4.0in.	3.4in.	1.7in.	0.9lbs.

Part #	Catalog #	UPC	Low Voltage Switch Input	Voltage	Stock Location			
					CA	GA	IL	NJ
ALCR1277	ALCR1277	640181727237	Yes	120–277V AC				•

WALLBOX DIMMERS

PRESET & ROCKER SLIDE DIMMERS

- Separate ON/OFF switch that preserves the selected brightness level
- Provide single pole (one location) or 3-way (two location) lighting control
- Slim, compact housing fits easily into a standard wallbox
- Suitable for multi-gang installations
- Built-in radio, TV interference filter



Model	Length	Width	Height	Weight
Preset Slide Dimmer	1.7in.	0.4in.	4.1in.	0.1lbs
Rocker Slide Dimmer	1.7in.	0.4in	4.1in	0.1lbs

Part #	Catalog #	UPC	Dimming	Voltage	Stock Location			
					CA	GA	IL	NJ
Rocker Slide Dimmer								
RSD710-UNV-WVL	RSD710-UNV-WVL	640181726971	0-10V	1200VA @ 120V AC, 1500VA @ 277V AC				•
RSDM10-120-WVL	RSDM10-120-WVL	640181726988	0-10V	1000VA @ 120 V AC MLV, 1000W @ 120V AC, 450W @ 120V AC Dimmable LED and CFL				•
RSDE06-120-WVL	RSDE06-120-WVL	640181726995	0-10V	600VA @ 120V AC, Electronic Low Voltage, 300W @120V AC Dimmable LED and CFL				•
RSDL06-120-WVL	RSDL06-120-WVL	640181727008	0-10V	600W @ 120V AC Incandescent, 300W @ 120V AC Dimmable LED and CFL				•
Preset Slide Dimmer								
PSD710-UNV-WVL	PSD710-UNV-WVL	640181727152	0-10V	1200-1500VA @ 120/277V AC				•

LOW VOLTAGE SWITCHES

MOMENTARY WALL SWITCH STATIONS

- Mounts to standard single-gang box
- Version with 0-10V dimming control
- Works with all HCS Control and Auxiliary packs



Length	Width	Height	Weight
4.1in.	1.5in.	4.1in.	0.2lbs.

Part #	Catalog #	UPC	Dimming	Switch Type	Button Qty	Stock Location			
						CA	GA	IL	NJ
LVSM1NPWH	LVSM1NPWH	640181100269	No	Momentary	1		•	•	
LVSD-M-3-WH	LVSD-M-3-WH	640181723055	0-10V	Momentary	3			•	





ALERA LIGHTING

ARCHITECTURAL AREA LIGHTING

BEACON PRODUCTS

COLUMBIA LIGHTING

COMPASS

DUAL-LITE

HUBBELL CONTROL SOLUTIONS

HUBBELL INDUSTRIAL LIGHTING

HUBBELL OUTDOOR LIGHTING

KIM LIGHTING

KURT VERSEN

LITECONTROL

PRESCOLITE

WHITEWAY

trade**SELECT**[®]

701 Millennium Blvd. Greenville, SC 29607

Tel 864.678.1000

www.hubbelllighting.com

July 23, 2020 9:42 AM

Copyright © 2020 Hubbell Lighting, Inc. All rights reserved.

Please refer to online specifications for most up-to-date content as specifications are subject to change without notice.