


Line Voltage		Low Voltage								
SSP-LNV	SSM-LNV	SCP-0450	SCP-1500	SCM-500	SCM-1000	SCM-2000	SWM-1200	SWP-WV00	SWP-HBAY	SWP-LRNG
										


SPECIFICATIONS	WALL SWITCH SENSORS		CEILING / WALL SENSORS								
Mounting	Wall Switch		Ceiling				Wall, Corner or Ceiling				
Technology	Passive Infrared	Multi-Technology	Passive Infrared		Multi-Technology			Passive Infrared			
Coverage (Sq. Ft.)	2100	2400	450	1500	500	1000	2000	1200	2500	55X7	100X14
Pattern	32°-180°		360°		180°	360°		110°		8°	27°
Mounting Height (Ft.)	4'		8' - 10'				10' - 40'		8' - 10'		
Adjustment	Manual	Self-Adjusting	Manual or Self-Adjusting, Self-Calibrating								
Time Delay	30s-30m		30s-30m with 6s Test Mode								
Voltage	120-277VAC*		24VDC								
Consumption (mA)	N/A		20	25	35	30	25	15			
Wattage/VA	1200/2700	800/2700	N/A								
Environmental Operating Temperature/Humidity	0°C to 40°C / 0 to 95% Non-Condensing, Indoor Use Only		0°C to 40°C / 0 to 95% Non-Condensing, Indoor Use Only								
Feature	Single Pole, No Neutral		Low Profile				Multi-Use	Wide View	High Bay	Long Range	

APPLICATIONS	WALL SWITCH SENSORS		CEILING / WALL SENSORS								
Cafeteria					A	A	A	A	B	B	C
Classroom	C		B	B	A	A	A	A	B		
Computer Room	C				A	A	A	B			
Conference Room	C	C	B	B	A	A	A	B	B		
Copy Room	B		A	A					C		
Cubicle						A	A				
Day Care Center					A	A	A	A			
File Room			A	A				B			
Hallway				C					B	A	
Loading Dock									A	A	
Office Executive	B	A			A	A	A	A			
Office Open					A	A	A	B	B		
Office Small	B	B	A		B						
Office With Cubicles					A	A	A	A			
Open Area					B	A	A	B	B		
Parking Garage			A	A							
Restroom Non-Partitioned	B	B	B		A	A	A				
Restroom Partitioned	C	B			A	A	A	C			
Storage Room	A	B	A	A					B	B	
Vending Room	C		A								A
Warehouse Aisles									A	A	
Warehouse Open				C					A	A	A
Work Space General				B	A	A	A	C	B	B	B

RATING KEY: A = Best sensor for application, B = Good sensor for application, C = Acceptable sensor for application **NOTE:** Power Packs and Power Base Adaptor available. Limited 5-Year Warranty on all Encelium Occupancy Sensors, Power Base Adaptors, and Power Packs. This guide is designed to assist you in the specification and application of Encelium Occupancy Sensors. The Application Guide recommendations are based on typical room usage specifications, always take into consideration room size, shape and unique usage circumstances. To learn more about Encelium or for further assistance in selecting the correct occupancy sensors for your applications, call 1-888-362-3548 or visit www.encelium.com.



OCCUPANCY SENSOR APPLICATION GUIDE

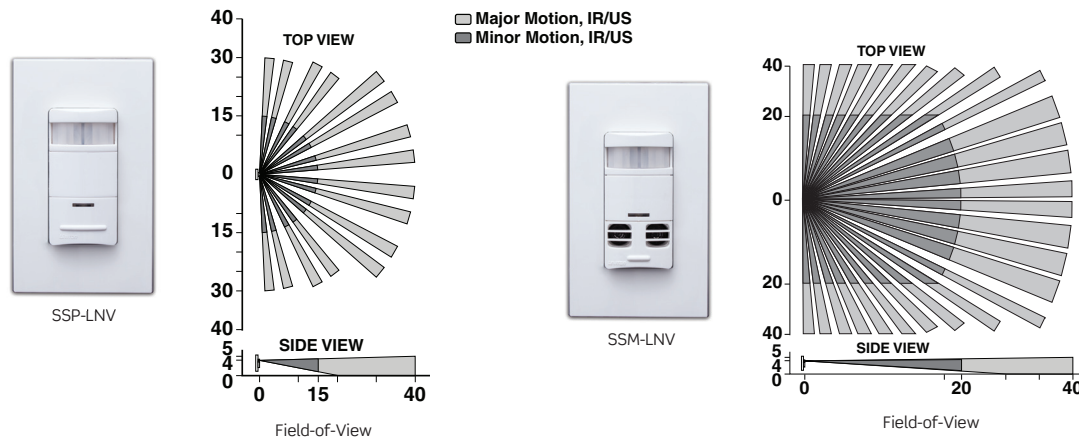


ENCELIUM
LIGHTING CONTROL FOR THE SMART BUILDING

WALL-SWITCH SENSORS

DESCRIPTION	CAT. NO.	RATING	COVERAGE
Wall-Switch PIR Occupancy Sensor (no neutral)	SSP-LNV	Incandescent: 800W @ 120V. Fluorescent: 1200VA @ 120V, 2700VA @ 277V. 50/60Hz. Motor: 1/4 HP @ 120V	180°, 2100SF
Wall-Switch Multi-Technology Occupancy Sensor (no neutral)	SSM-LNV	Incandescent/Tungsten: 800W @ 120V Fluorescent: 1200VA @ 120V, 2700VA @ 277V. 50/60Hz. Motor: 1/4 HP @ 120V	180°, 2400SF

Agency Listings & Code Compliance: UL Listed, ETL/cETL Listed, CSA Certified, CEC Title 24 Compliant & meets ASHRAE Standard 90.1 requirements. Available in White (-W). Wallplates sold separately. All models are 120-277V.

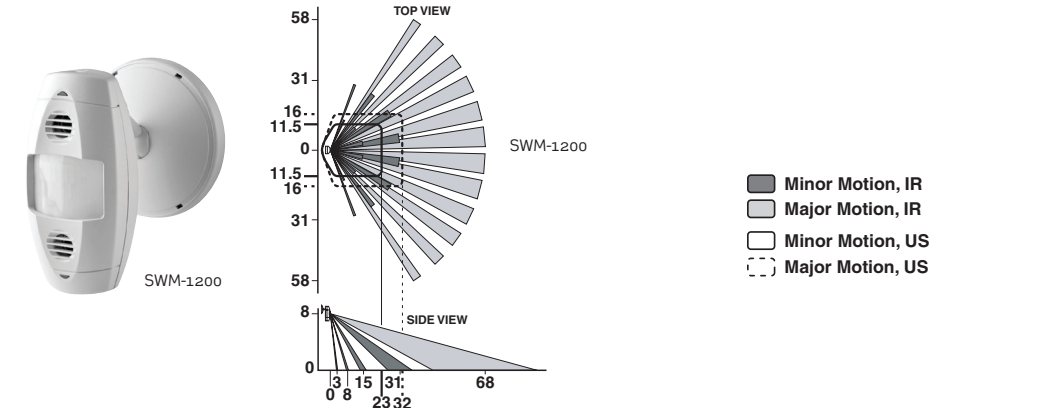


LOW-VOLTAGE SENSORS

Wall Mount

DESCRIPTION	CAT. NO.	OPERATING FREQUENCY	COVERAGE
Multi-Technology Wall Mount Occupancy Sensor	SWM-1200	32kHz	110°, 1200SF
PIR Wide-View Wall Mount Occupancy Sensor	SWP-WV00	—	110°, 2500SF
PIR High-Bay Wall Mount Occupancy Sensor	SWP-HBAY	—	55 ft., 7 ft. wide @ 30 ft. high
PIR Long-Range Wall Mount Occupancy Sensor	SWP-LNRG	—	100ft., 110° @ 10ft. high

Agency Listings & Code Compliance: CUL/US Certified and meets ASHRAE Standard 90.1 requirements. Available in Off-White only. Adjustable swivel neck rotates 90° vertically and 60° horizontally to allow wall or ceiling mount installation.

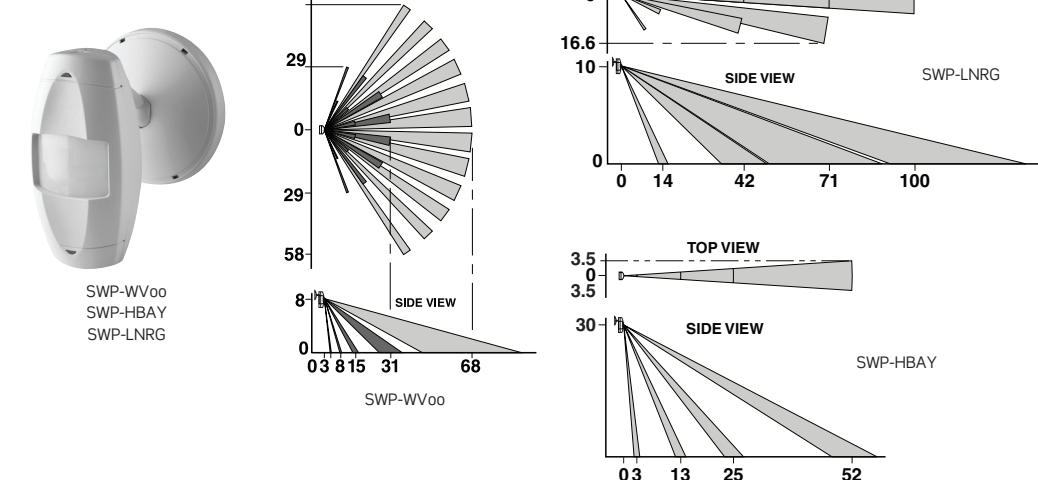
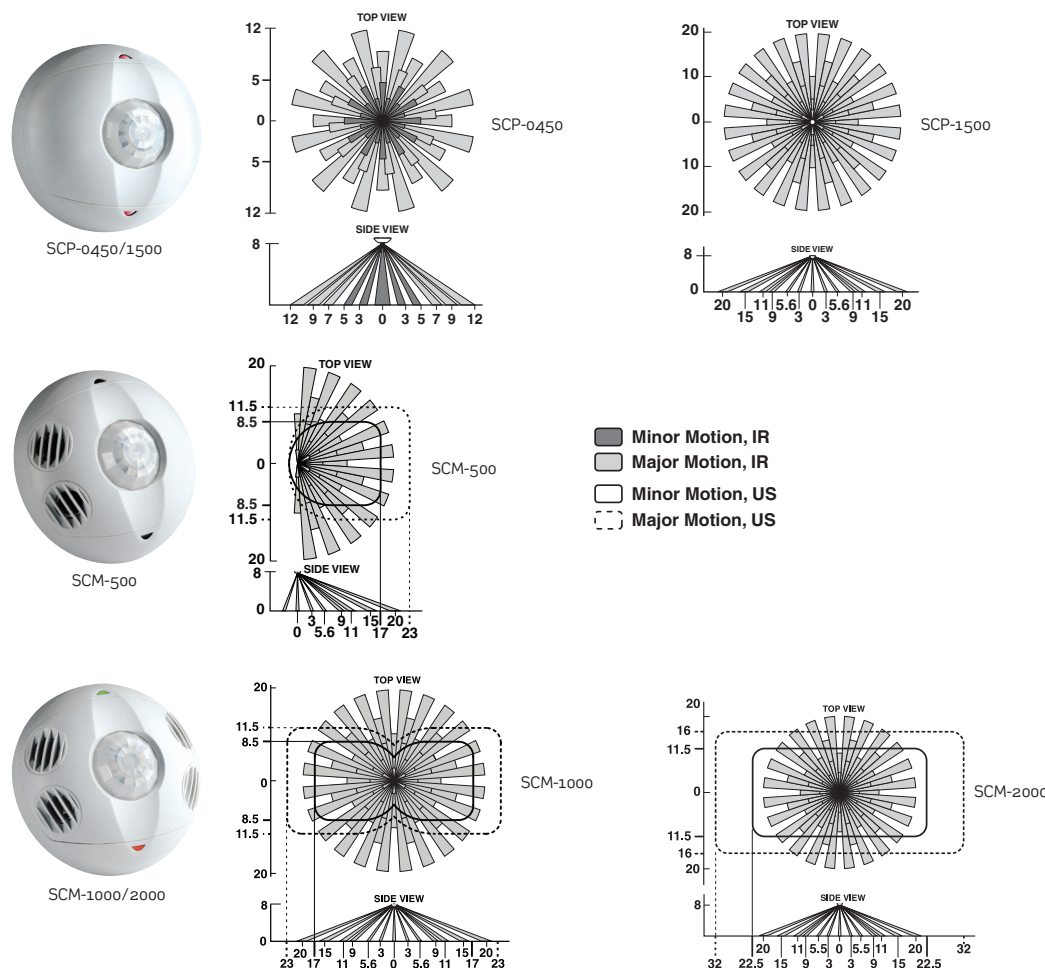


LOW-VOLTAGE SENSORS

Ceiling Mount

DESCRIPTION	CAT. NO.	OPERATING FREQUENCY	COVERAGE
PIR Ceiling Mount Occupancy Sensor	SCP-0450 SCP-1500	— —	360°, 450SF 360°, 1500SF
Multi-Technology Ceiling Mount Occupancy Sensor	SCM-500 SCM-1000 SCM-2000	40kHz 40kHz 32kHz	180°, 500SF 360°, 1000SF 360°, 2000SF

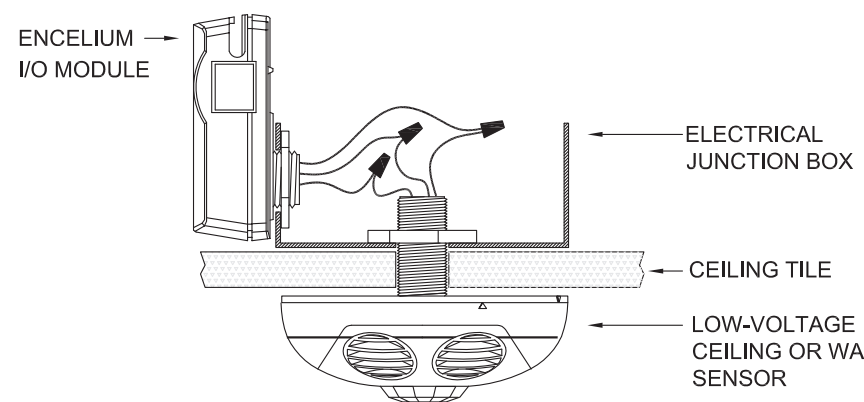
Agency Listings & Code Compliance: CUL/US Certified, and meets ASHRAE Standard 90.1 requirements. Available in Off-White only.



ENCELIUM ECS APPLICATION

For greater energy savings and benefits over occupancy sensors alone, combine with Encelium's Energy Control System™ (ECS):

- **Polaris Software** adds Daylight-Harvesting, Time Scheduling, Task Tuning, Personal Control, Variable Load Shedding, optional BACnet Interface, and more.
- **Software Remapping:** any sensor to any zone.
- **Software Adjustable:** Time-outs, delays, light levels.
- **Simple, Fast Connection** to Encelium's I/O Module.



POWER PACKS

DESCRIPTION	CAT. NO.	POWER INPUT	RELAY RATING	CONTROL INPUT	POWER SUPPLY OUTPUT
Power Pack	PPK-020	120-277VAC, 50/60Hz	20A fluorescent/incandescent @ 120V, 20A fluor. @ 230-277V; 1HP @ 120V, 2HP @ 240V	5mA, 24VDC	150mA, 24VDC
Power Pack with HVAC relay	PPK-347	347VAC, 60Hz	15A fluorescent @ 347V; 1HP @ 120V, 2HP @ 240V; HVAC: 0.5A @ 120VAC, 1A @ 30VDC	5mA, 24VDC	120mA, 24VDC

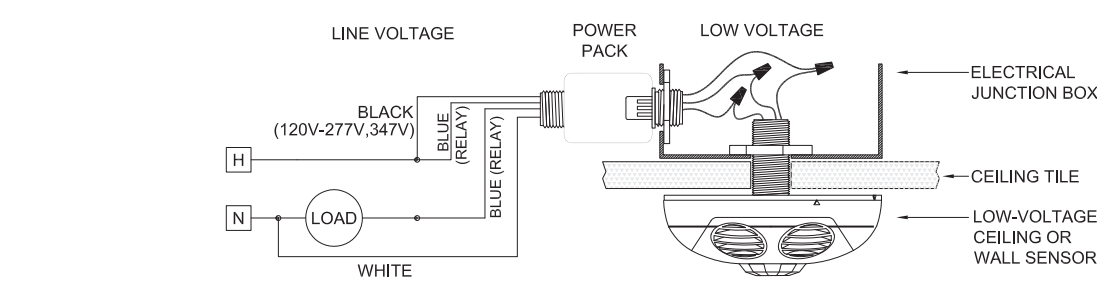
Agency Listings & Code Compliance: UL/cUL Listed, FCC Certified, and meets ASHRAE Standard 90.1 requirements.

Power Pack Capacity Formula

Encelium power packs can be used to provide power to one or more occupancy sensors. Since current consumption of occupancy 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:

$$\left(\begin{matrix} \# \text{ of Sensor Model A} \\ \times \\ \text{Sensor A current} \\ \text{consumption rating} \end{matrix} \right) + \left(\begin{matrix} \# \text{ of Sensor Model B} \\ \times \\ \text{Sensor B current} \\ \text{consumption rating} \end{matrix} \right) \leq \text{Power Supply Output}$$

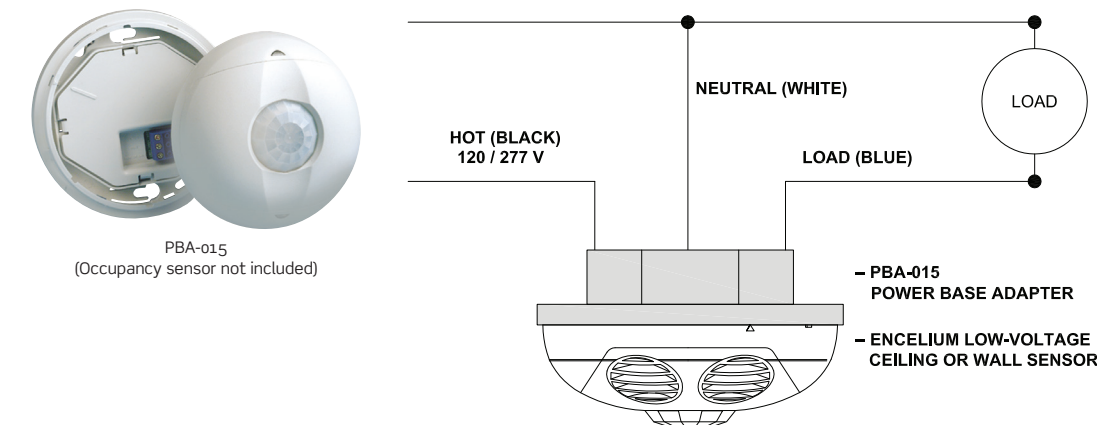
DESCRIPTION	CURRENT CONSUMPTION
SWP-HBAY, SWP-LNRG, SWP-WV00	15mA
SCP-0450, SCP-1500	20mA
SCM-500, SWM-1200	25mA
SCM-1000	35mA
SCM-2000	30mA



POWER BASE ADAPTOR

DESCRIPTION	CAT. NO.	POWER INPUT/OUTPUT	RATING
Converts any Encelium low-voltage ceiling or wall mount occupancy sensor to a self-contained line voltage unit	PBA-015	Power Input: 120-230-277VAC, 50/60Hz Control Input: 24VDC, 5mA Control Output: 24VDC, 40mA	15A

Agency Listings & Code Compliance: cUL/US Certified. Available in Off-White only.



For more applications and wiring diagrams, visit www.encelium.com/sensors

ENCELIUM

CORPORATE HEAD OFFICE
500 Frank W. Burr Boulevard
Floor 1, Suite 29
Teaneck, NJ 07666 U.S.A.
Tel. 1.201.928.2400
Fax 1.201.928.4028

CANADIAN OFFICE
68 Leek Crescent - Unit A
Richmond Hill, ON L4B 1H1
CANADA
Tel. 1.905.731.7678
Fax 1.905.731.1401

TECHNICAL SUPPORT
1.888.531.7573

EMAIL technicalsupport@encelium.com
WEB www.encelium.com/technicalsupport