

Energy Management COMMERCIAL

ROOM CONTROL | LevNet RF™

Energy Harvesting Wireless Sensors

LevNet RF[™] Energy Harvesting Sensors are part of LevNet RF[™]'s complete line of energy harvesting solutions. The occupancy sensors have built-in solar cells that draw on available ambient light within a space to power themselves and can operate for up to 48 hours in total darkness. The self-powered sensor design also overcomes the placement and coverage challenges of traditional sensors. Self-powered sensors enable flexible placement allowing sensors to be mounted wherever needed without the complexity of moving or installing new wiring.

Features and Benefits

- Zero Power Consumption: Solar power provides the energy to keep the device on and sensor technology turns the lights off, lowering the end user's energy bill
- Zero External Power Required: With no power wire limitations, this enables the installer to place the sensor in the optimal location to capture minor motion and reduce false OFFs
- No Additional Wiring: Self-powered wireless technology eliminates the need to pull additional wire, making installation quick and easy and increasing labor savings with little to no impact on business during conversion
- Advanced Field-of-View: Superior detection for parallel and perpendicular motion; innovative technology detects motion moving directly towards the sensor; 360° rotation to fine tune location of solar cells and field-of-view for the most accurate sensing possible

Ideal Uses

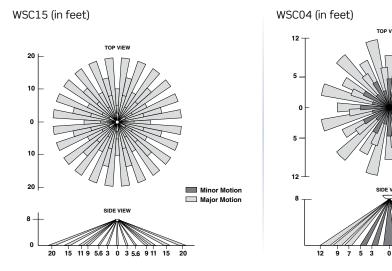
• Retrofits, new construction, restrooms, conference rooms, classrooms, private and executive offices and retail spaces

Commercial Energy Harvesting Wireless Sensors 🛞 🏵						
Description	Cat. No.	Coverage	Color			
LevNet RF™ Low Profile Self-Powered PIR Occupancy Sensor	WSC04-IRW	360°, 450SF	White			
LevNet RF™ Low Profile Self-Powered PIR Occupancy Sensor	WSC15-IRW	360°, 1500SF	White			
LevNet RF™ Self-Powered PIR Occupancy Sensor	WSC04-I0W	360°, 450SF	White			



WSC04-IRW

Field of View for LevNet RF™ Energy Harvesting Wireless Sensors



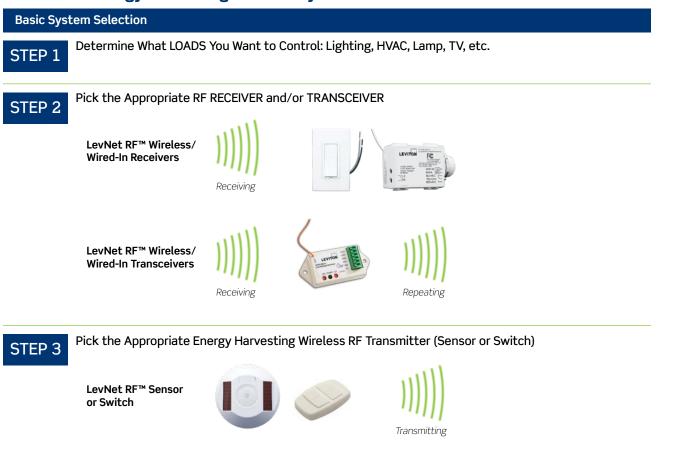


LevNet RF[™] is Leviton's family of energy harvesting radio frequency products. See pages N-34 to N-41 for more information.



ROOM CONTROL | LevNet RF™ System Selection

LevNet RF[™] Energy Harvesting Wireless System



Tip A good way to visualize your wireless system is to imagine that the "wires" connecting each device are invisible wires or "unique addresses."



For technical support call 800-824-3005

Energy Management



ROOM CONTROL | LevNet RF™ Transmitters

LevNet RF™ Transmitters

Sensors					
	Ceiling Mount Occupancy Sensors		Wall Mount Occupancy Sensors		
Cat. No.	WSC04-IRW	WSC15-IRW	WSC04-I0W	WSWDR-I0W	
Coverage	450SF	1500SF	450SF	80 ft	
Power Consumption	Zero			Zero	
Photocell	—			-	
Transmission	60 seconds (+/- 10 sec)		30 minutes @ 0.5FC (5 LUX);		
				15 minutes @ 1.0FC (10 LUX);	
				30 seconds @ 20FC (200 LUX)	
Minimum Light Required	4FC (40 LUX)			1.5FC (15 LUX)	
Minimum Charge Time	1 minute @ 20FC (200 LUX)		1 minute @ 1.5FC (15 LUX);		
to Begin Operation				5 seconds @ 20FC (200 LUX)	
Maintain Charge Time	3 hours per 24 hours @ 20FC (200 LUX)			3 hours per 24 hours @ 20FC (200 LUX)	
Operating Life at Full Charge	48 hours			48 hours	
Additional Listings	CA Title 24 Compliant			—	
	Window/Door (Contact Sensors			
Cat. No.	WSR00-030				
Coverage	75 ft (typical)				
Power Consumption	Zero				
Photocell	-				
Transmission	60 seconds (+/- 10 sec)				
Minimum Light Required	4FC (40 LUX)				
Minimum Charge Time	<2.5 min @ 40FC (400 LUX), 77° F (25° C)				
to Begin Operation					
Maintain Charge Time	3 hours per 24 hours @ 20FC (200 LUX)				
Operating Life at Full Charge	6 days if energy	storage is fully cha	arged		





WSWDR



WSR00