A simple way to save energy

The OccuSwitch Wireless is a simple, easy, and effortless way to create a more sustainable work environment.

The OccuSwitch Wireless is an advanced wireless system that automatically turns the lights off when a workspace is unoccupied, saving energy, costs and the environment. The system consists of a wireless battery-powered ceiling mounted sensor that communicates to a relay box (actuator). Multiple sensors and actuators can be used for additional coverage.

Using a combination of passive infrared technology and advanced logic for detecting major and minor motion, the sensor recognizes when the room is occupied (or unoccupied), helping to eliminate the possibility of false triggers. The system adapts to accommodate varying user patterns with built-in intelligence to automatically adjust the shut off time delay.

The OccuSwitch Wireless is a unique indoor plug and play system perfect for retrofits and new installations in commercial applications including private offices, conference rooms, restrooms, break rooms, copy rooms, storage areas, and lobby areas. Uncompromising on style, the functional design allows for easy setup and adjustments to system settings via front accessible buttons.

Easy-to-install retrofit

Wireless controls means no sensor wiring providing quick set-up times, minimizing disruptions. Wieland cable set available.

Advanced occupancy sensing

Helps eliminate false triggers which optimizes energy savings.

Sleek low profile design

Stylish low-profile design easily blends into existing and current office designs.
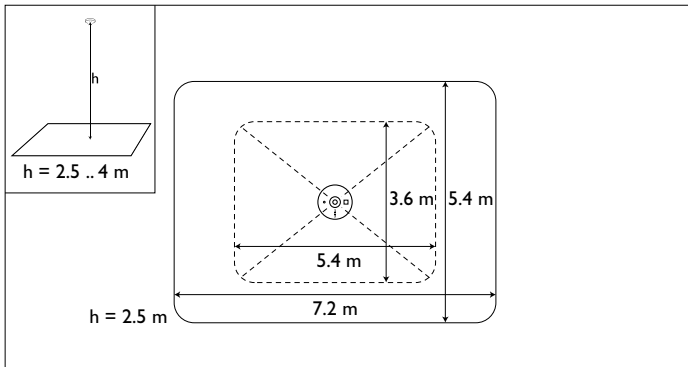
10 year battery life design

Provides worry free maintenance, just install and leave for long lasting performance.

PHILIPS

sense **and** simplicity

OccuSwitch Wireless Sensor Specifications

Detection Technology
Passive Infrared (PIR)

Mounting Height
Can be installed for up to 4 m. ceiling height

Detection Area
Will vary based on ceiling height.
For a typical ceiling height 2.4m.
Major motion coverage 5.40m x 7.20m.
Minor motion coverage 3.60m x 5.40m.
Larger areas will require multiple sensors.

Wireless Compatibility
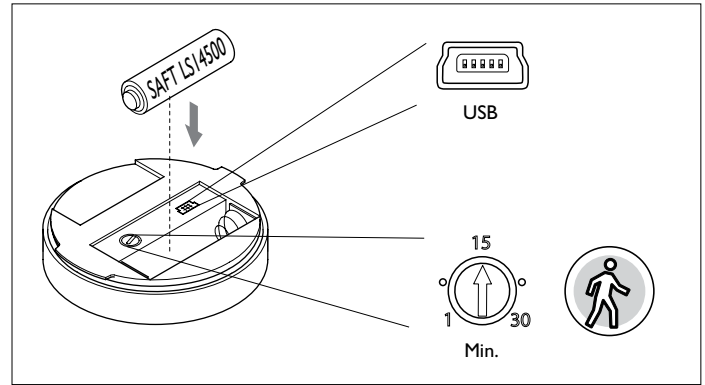Can be connected with multiple OccuSwitch Wireless Actuators.
Up to 10 sensors and actuators can be networked together.

Wireless Range
Up to 17 meters in free sight.
10 meters if a wall is between the sensor and actuator.
The RF signal cannot pass through metal ceilings or reinforced concrete.

Battery
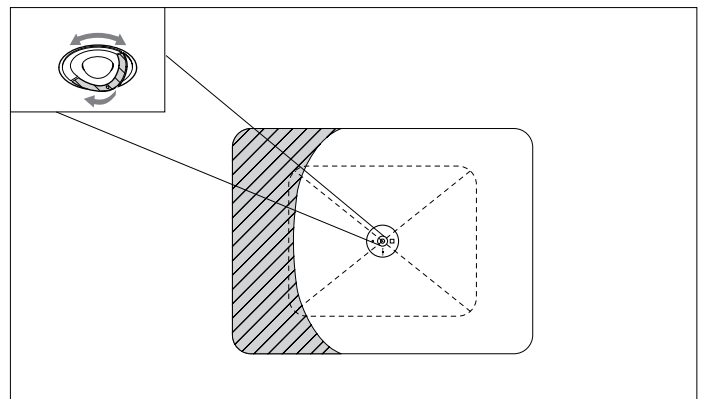Standard AA size 3.6V DC Lithium-thionyl chloride (included).
10 year battery life. Actual battery lifetime will vary based on application and occupancy activity.

Intelligent Delay Timer
The switch-off delay can be manually set between 1 and 30 minutes using the dial on the sensor. Once the system is operational, the initial setting is automatically adjusted to the user's occupancy pattern

USB Port
Incorporates ability for future field firmware upgrades
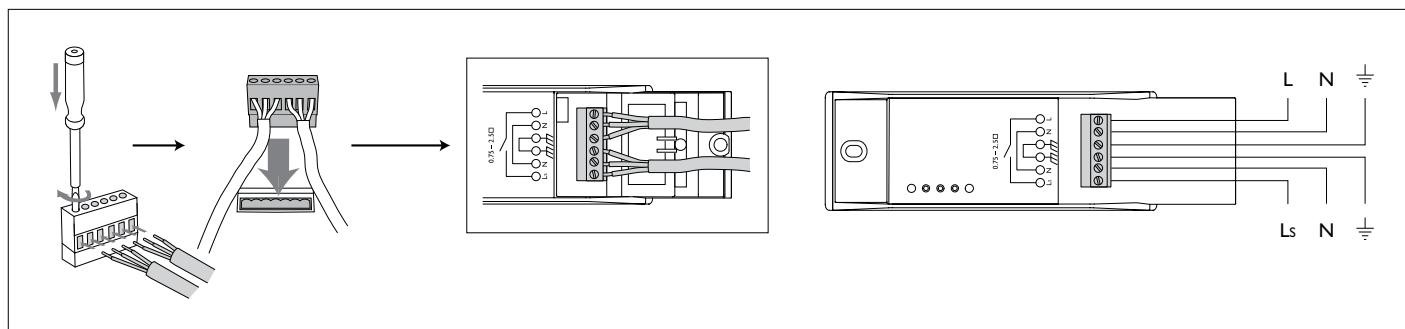

Rotating Shield
During installation the retractable sensor shield can be rotated to partially mask the sensor's field of view and prevent unwanted movement detection.

Wireless Network Protocol
ZigBee Pro 2.4GHz

OccuSwitch Wireless Actuator Specifications

Installation

Technical data

Sensor

Material	PC
Battery type	SAFT LS 14500
Battery life	See table
Detection range	See detection pattern
Light sensor	Maximum Light Level: 1000 Lux at 50% reflection. Minimum Light Level: 200 Lux at 10% reflection.
Weight (with battery)	0.10 kg
Safety	According to Low Voltage Directive 2006/95/EC
Standards	EN/IEC 61347-2-11 Lamp control gear, Particular requirements for gear, Particular requirements for miscellaneous electronic circuits used with luminaires IEC 60598-1 Luminaires, General requirements and tests
EMC	According to EU EMC directive 2004/108/EC
Compliance	IEC (EN) 61347-2-11 / 60598-1
Immunity	ETSI EN 301-489-1/301-489-3
Emission	ETSI EN 301-489-1/301-489-3 EN 55022 Class B
Occupancy timer	1 to 30 minutes
R&TTE	According to Directive 1995/5/EC

Actuator

Mains connection	
Frequency	50Hz
Voltage	230V +/-10%
Maximum load	6A (1380VA lighting)
Connector screw terminal	MRT3P5.08/6VE (STELVIO)
Maximum wire range	0.75 to 2.5 mm²
Mains distribution system	TN-S, 16A max, with Neutral grounded

Power consumption

Stand-by	0.75W max.
Max.	0.75W max.
LED indicators	See LEDs and buttons
Material	PC-ABS
Safety	According to Low Voltage Directive 2006/95/EC
Standards	EN/IEC 61347-2-11 Lamp control gear, Particular requirements for gear, Particular requirements for miscellaneous electronic circuits used with luminaires IEC 60598-1 Luminaires, General requirements and tests
Classification	Class I
Over voltage	Category III
Approbation	Product complies with the relevant European Directive (CE) and KEMA
Protection Class	IP20
Flammability	UL94-V-0
Glow wire test	960°C/30s
EMC	According to EU EMC directive 2004/108/EC
Compliance	IEC (EN) 61347-2-11 / 60598-1
Immunity	ETSI EN 301-489-1/301-489-3
Emission	ETSI EN 301-489-1/301-489-3 EN 55022 Class B
Weight	0.15 kg
R&TTE	According to Directive 1995/5/EC
Applicable standard	EN 300 328 V1.7.1

Ordering Information

Type	MOQ	Ordering number	EAN code level I	EAN code level 3	EOC
LRA1750/00 Wireless Universal Actuator	I	9137 003 36103	87 27900 905014	87 27900 905021	905014 00
LRM1763/00 Wireless MovDet + DO	I	9137 003 37103	87 27900 898071	87 27900 898088	898071 00
LCC1720/00 Wieland cable	I	9137 003 37203	87 27900 914009	87 27900 914016	914009 00