



ENERGY MANAGEMENT SOLUTIONS





An **Acuity** Brands Company

Sensor Switch is a leader in lighting control innovation, continuously developing technologies to enhance performance of our stand alone occupancy sensors to fully networked control solutions providing trusted quality and reliability to meet every applications.

LINE VOLTAGE SOLUTIONS



- VLP (Visible Light Programming)
- Miswire Protection (reversible line & load connections)
- Convertible Neutral
- Self-calibrating Daylight Controls
- Sensors contain line voltage switching relays
- Ideal for retrofit applications with concrete or inaccessible ceilings
- Compatible with LED's, electronic & magnetic ballast/driver
- Energy management equipment standard: UL916 (E167435)



Wall Mount
Occupancy Sensor



Wall Mount
Occupancy Sensor



Ceiling Mounted
Occupancy Sensor



Fixture Mounted
Occupancy Sensor



Override Switch



Wide View
Occupancy Sensor

Model	WSX WH	WSX PDT 2P WH	CMR PDT 10	LSXR 4PK	SPODMRD WH	WVR 16 WH
Description	Single Channel Line Voltage	Dual Channel (Ch1:Auto On / Ch2:Manual On) Line Voltage	Single Channel Extended Range Occupancy Sensor	High bay fixture mounted occupancy sensor with Interchangeable lens	Dimming Switchpod (0-10 VDC) (on/off/dimming up/down)	Single and 2-Pole Versions
Technology	PIR (Passive Infrared)	PDT (Passive Infrared + Microphonics)	PDT (Passive Infrared + Microphonics)	PIR (Passive Infrared)	-	PIR (Passive Infrared)
Coverage	Small motion: 20ft (6.10m); 625 sq ft Large Motion: 36ft (10.97m); 2,025 sq ft	Small motion: 20ft (6.10m); 625 sq ft Large Motion: 36ft (10.97m); 2,025 sq ft	Large Motion: 28 ft (8.53m) Radius; 360deg.	Large Motion: 15-50 ft (4.57-15.24 m) Radius; 360 deg	-	Small motion: 40ft (12.19m) Large Motion: 70ft (21.34m)
Operating Voltage	1200W @ 277VAC	1200W @ 277VAC (per channel)	1200W @ 277VAC	1200W @ 120- 277VAC	120- 277VAC	12-24 VAC/VDC
Size	H 2.74" (6.96cm) W 1.68" (4.27cm) D 1.63" (4.14cm)	H 2.74" (6.96cm) W 1.68" (4.27cm) D 1.63" (4.14cm)	Dia. 4.55" (11.56cm) D: 1.55" (3.94cm)	H 3.75" (9.50cm) W 2.50" (6.40cm) D 4.00" (10.20cm)	H 2.74" (6.96cm) W 1.68" (4.27cm) D 1.63" (4.14cm)	H 3.0" (7.62cm) W 3.6" (9.14cm) D 1.75" (4.45cm)
Application	Open areas, hallway, stairs, small offices, storage rooms, powder rooms, closets/locker room	Confined areas, offices, conference rooms, meeting rooms, Rest room (CR), VIP rooms	Confined areas, offices, conference rooms, meeting rooms, Rest room (CR), VIP rooms	For warehouse/storage and production areas	Bypass switches, Manual On/Off/Dimming	For long corridors, lobby, Aisleway, warehouse/storage



MICROPHONICS TECHNOLOGY Microphonics is an advanced detection technology that has been patented by Sensor Switch, Inc., an Acuity Brands company. One of the great benefits of Microphonics technology is its **ability to distinguish the sounds made by human activity** from ambient noise. It can detect noises such as talking, eating, typing, and other sounds in the area that are typical of human activity. It masks out and does not recognize noises made by the building or the environment.

LOW VOLTAGE SOLUTIONS

- Powered via power pack or other low voltage source
- Enables multiple sensors to be used together to cover space
- Allows sensor mounting without a junction box and utilizes convenient low voltage wiring
- VLP (Visible Light Programming)
- Self-calibrating Daylight Controls
- Energy management equipment standard: UL916 (E167435)



Ceiling Type
Occupancy Sensor



Ceiling Type
Occupancy Sensor



Power Pack



Secondary Power
Pack



Corner Wall Mount
Sensor

Model	CM 9	CM PDT 10	PP20	SP20	WV 16 KIT
Description	Standard Range Occupancy Sensor	Extended Range Occupancy Sensor	20 Amp; Selfcontained relays; Plenum Rated	Secondary Power Pack Relay (Add a relay) for additional switching options; Plenum Rated	Extended Range Occupancy Sensor & Convenient tilting features
Technology	PIR (Passive Infrared)	PDT (Passive Infrared + Microphonics)	-	-	PIR (Passive Infrared)
Coverage	Small Motion: 12ft (3.66m) Radius	Large Motion: 28 ft (8.53m) Radius	-	-	Small motion: 40ft (12.19m) Large Motion: 70ft (21.34m)
Operating Voltage	12-24 VAC/VDC	12-24 VAC/VDC	120/277 VAC;	120/277 VAC	12-24 VAC/VDC
Size	Dia. 4.55" (11.56cm) D: 1.55" (3.94cm)	Dia. 4.55" (11.56cm) D: 1.55" (3.94cm)	H: 3.00" (7.6cm) W: 2.25" (5.7cm) D: 1.88" (4.8cm)	H: 3.00" (7.6cm) W: 2.25" (5.7cm) D: 1.88" (4.8cm)	H 3.0" (7.62cm) W 3.6" (9.14cm) D 1.75" (4.45cm)
Application	Open areas, hallway, stair, small offices, storage/locker rooms	Confined areas, offices, conference/meeting rooms, Rest room (CR), VIP rooms	Can Supply up to 14 (Fourteen) low voltage occupancy sensor	For secondary switching connected to Power Pack	For long corridors, lobby, Aisleway, warehouse/ storage



sensorswitch

An **Acuity** Brands Company

SBOR FAMILY



*Passes
500,000 Cycles*

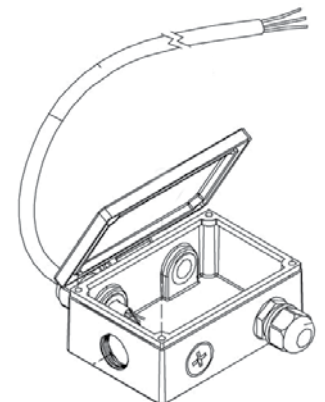
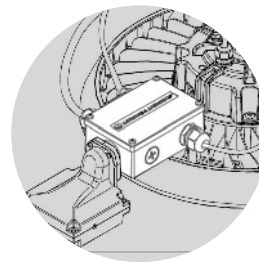
Fixture Mount Motion Sensor

Model	SBOR 6
Weight	9.6 oz
Operating Temp.	-40° to 160° F (-40° to 71° C)
Mounting	1/2" knockout (7/8" hole)
Mounting Height	SBOR 10: 8 -15 ft (2.44-4.57 m) SBOR 6: 15-30 ft (4.57-9.14 m)
Maximum Load	800 W @ 120 VAC, 1200 W @ 277 VAC, 1000 W @ 208 VAC, 1500 W @347 VAC, 1200 W @ 240 VAC, 2160 W @ 480 VAC
Application	cold environment and outdoor applications
Certification	Tested to NEMA WD 7-2011



JEBL WBK M6

-40° to 160° F (-40° to 71° C)
UL916 (E167435)
Tested to NEMA WD 7-2011

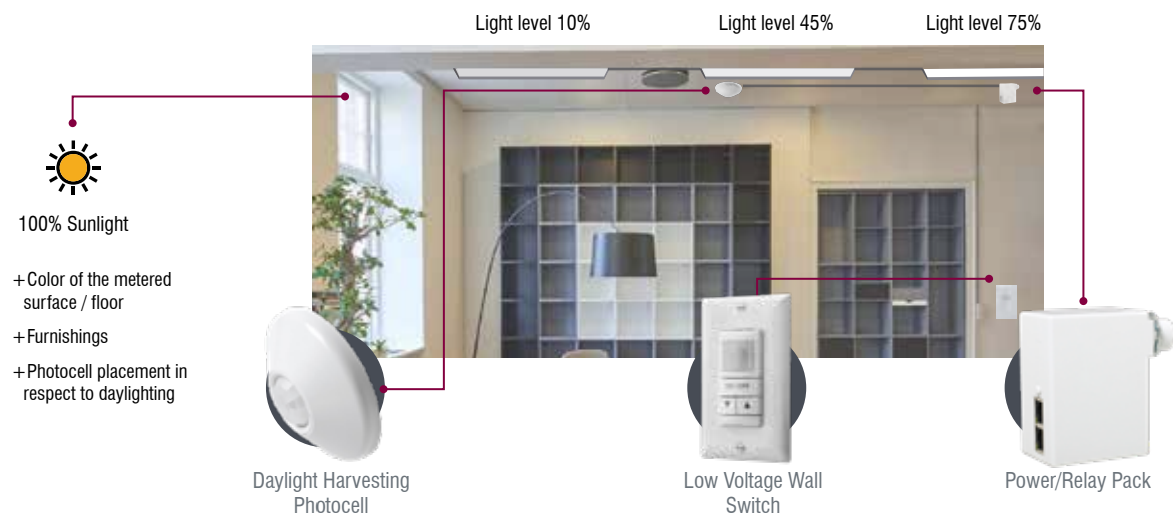


- Mobile device configurable using the Sensor Switch Mobile App
- 100% Digital PIR Detection, Excellent RF Immunity
- Up to 45 ft Mounting with extra-large motion (walking)
- IP66 Rated for Outdoor Applications
- Self-Contained Relay, No Power Pack Needed
- No Minimum Load Requirements
- Compatible w/ LEDs, Electronic & Magnetic Ballasts, CFLs, & Incandescents
- Interchangeable Hot & Load Wires- Impossible to Wire Backwards
- Adjustable Time Delays, Max/Min Dim Levels, & Ramp Rates
- Programming Button Accessible without Opening Sensor or Removing Gaskets
- No Field Calibration or Sensitivity Adjustments Required
- Non-Volatile Settings Memory
- Convenient Test Mode



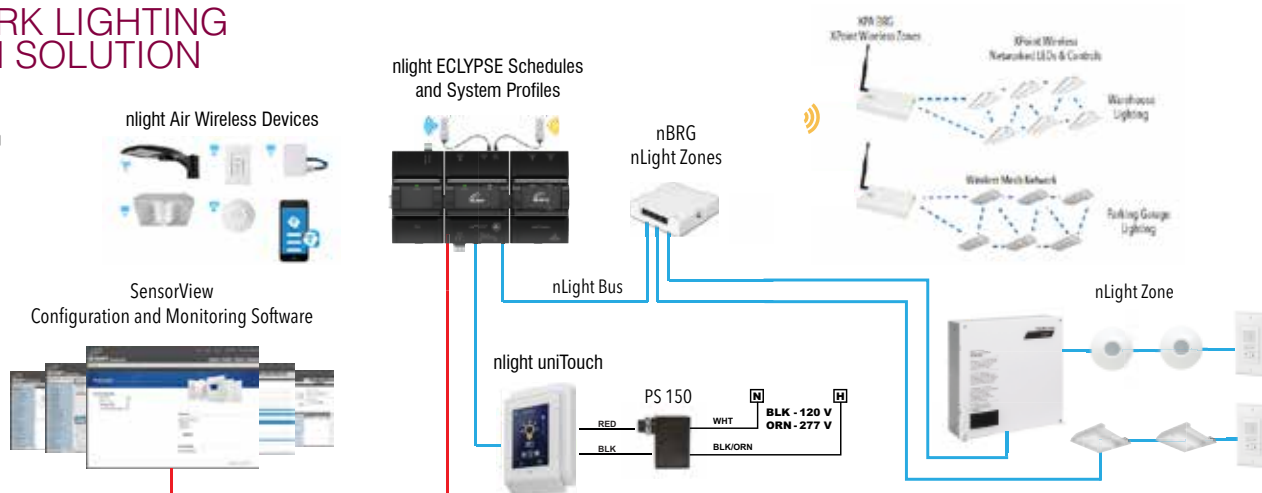
Networked lighting controls reduces energy costs, aids in building code compliance, occupant comfort and much more. nLight® is a lighting controls solution that is easy to specify, install, and use that grows with the pace of your business today and tomorrow.

DAY LIGHT HARVESTING SOLUTIONS



Model	nCM ADCX RJB nCM PC RJB	nWSX PDT LV DX WH	nPP16 EFP
Input Ratings	15-24VDC, 3mA, Class 2 (nLight network power)	15-24VDC, 3mA, Class 2 (nLight network power)	120/277VAC, 50/60 Hz; for 0-10VDC Dimming
Size	4.55"W x 1.55"D (116mm x 40mm)	2.74"H x 1.68"W x 1.63"D (70mm x 43mm x 41mm)	3.38"H x 2.53"W x 1.83"D (86mm x 64mm x 47mm)
Coverage Pattern	-	Small Motion detection up to 20 ft (6.10 m) Large motion detection greater than 36 ft (10.97 m)	-
Mounting	Single-Gang or Octagonal Box, Surface Mount	Single-Gang Box or Utility box	1/2" Knockout (7/8" hole)
Connection Type	RJ-45 nLight Network Ports (2)	RJ-45 nLight Network Ports (2)	Supplies 40mA of Bus Power / RJ-45 port
Operating Temperature	14°F to 185°F (-10°C to 85°C)	32°F to 140°F (0°C to 60°C)	14°F to 122°F (-10°C to 50°C)
Certifications	System Component to aid in compliance with Title 24, ASHRAE 90.1, IECC	Energy Management Equipment, UL916 (E167435), RoHS	RoHS, Plenum UL2043

NETWORK LIGHTING SYSTEM SOLUTION



talento smart

C25

CLASSIC SERIES



**8
YEARS
POWER-
RESERVE**



FEATURES

- Intelligent design
- High resolution display
- Secure-pin protection
- Tamper-safe sealable casing
- Soft-touch controls
- Long-life battery
- Quick and easy installation
- Wireless programming

TECHNICAL DATA

Catalog no.	43.03.0002.1	
Supply voltage	AC 110-230 V \pm 10% 50-60 Hz	
Current output	Changeover, potential-free, opening width < 3 mm, phase-independent (zero crossing)	
Channels	2 channels; 16 Amp/channel	
Memory spaces	500	
Program (functions)	Free weekday block formation 50 date-independent programs (Weekly program) 50 date-dependent programs (Holiday, annual program) ON	OFF Pulse Cycle Astro function Random ON Random OFF
Shortest switching time	ON/OFF 1 minute Pulse 1 second Cycle 1 second	
Switching capacity	16 A / 250 V AC	
-resistive load	10 A / 250 V AC	
-inductive load cos. phi 0.6		
Programming on the PC, mobile devices	•	
Interface	Bluetooth 4.0	
Power Consumption	<1 VA (standby mode)	
Accuracy	\pm 0.3 second/day at 20°C	
Power Reserve	8 years, programs saved in EEPROM	

SMARTLINK OFFERS FAST & EASY...

TRANSFER OF PROGRAMS



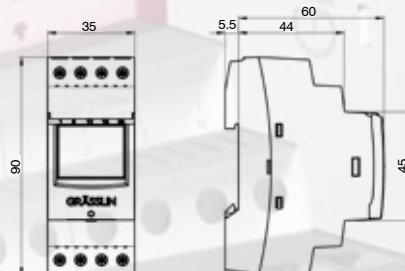
DATA EXPORT



COPYING PROGRAMS



TECHNICAL DRAWING (Dimensions in mm)



CIRCUIT DIAGRAM



talento smart SERIES



BASIC

- Cost solution for standard requirements
- Program creation possible with or without date
- Available as 1-channel or 2-channel version
- Integrated Bluetooth interface for wireless Programming and data exchange
- 100 memory capacity
- 10 date independent programs



CLASSIC

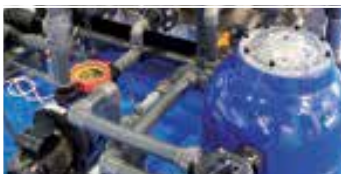
- Enhanced functions (pulse, cycle, random and astro functions) for more complex requirements
- Program creation possible with or without date
- Available as 1-channel or 2-channel version
- Integrated Bluetooth interface for wireless programming and data exchange
- Applicable for line voltage and low voltage supply
- 500 memory capacity
- 50 date independent programs



SYSTEM

- Up to 8 channels in combination with talento smart CE2
- Greatest functional range and storage capacity for complex applications
- Program creation possible with or without date
- Available as 2-channel version
- Integrated Bluetooth interface for wireless programming and data exchange
- 800 memory capacity
- 80 date independent programs

CONTROL APPLICATION AREAS



PUMPS & MOTORS
for water treatment



DOORS AND GATES
with different opening times



LIGHTING
for shop windows and advertising spaces



LIGHT INSTALLATIONS
in streets, parks and parking areas



SIGNALS
School and church bells, production areas



VENTILATION
for temperature and ventilation control

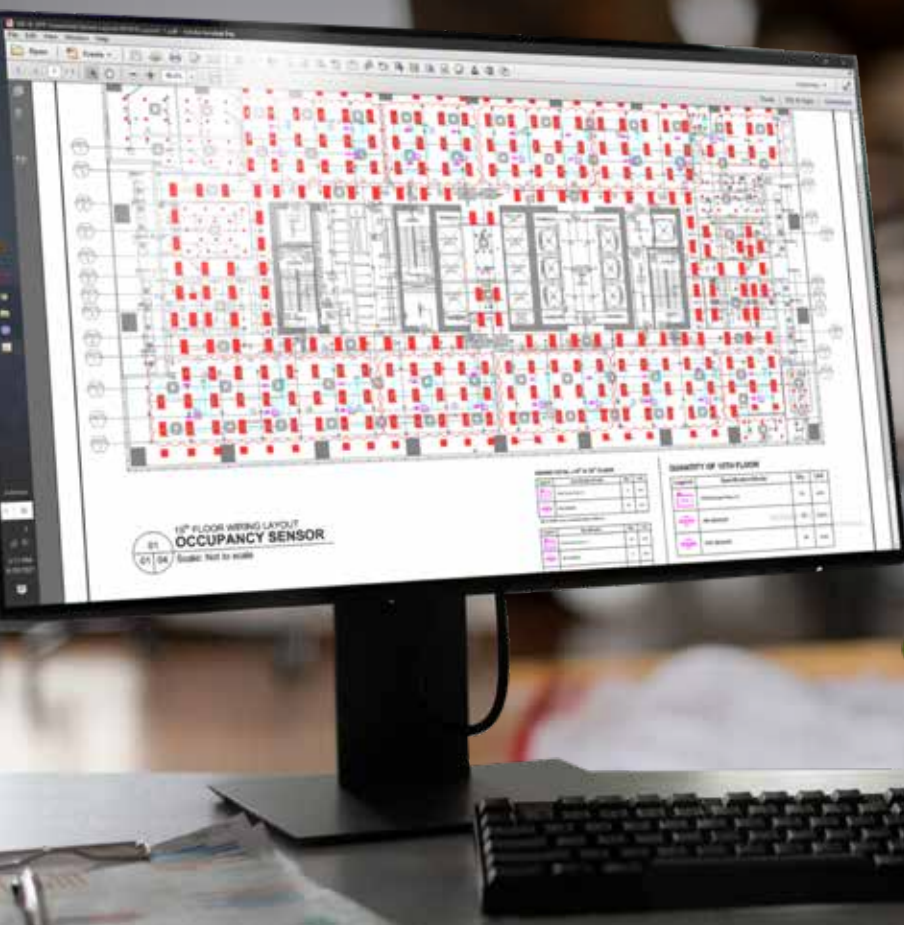
sensorswitch

An **Acuity** Brands Company

MAKE THAT MOVE TO START *saving!*

Whether it's retrofitting solution to your existing switches, new installations of lighting with controls or setting time sequence of operations to your lighting or ventilation equipment, we can assist you with those! For commercial, residential warehouses, production and other industrial applications, part of our services are design and recommendations for efficient controls and energy management solutions.

Get in touch with your friendly sales representative now!



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