

**TECHNICAL DATA**

**TYPICAL APPLICATIONS**

- Hotel Bath/Toilet Rooms
- Hotel Sink Area
- Hospital Bathroom

**SENSOR HIGHLIGHTS**

- Lighted Push Button
- Manual On or Auto On Selectable
- Designed for High Humidity
- Fits Next to GFI Receptacles
- No Minimum Load
- Vandal Resistant Lens

**FEATURES**

- Time Delay: 30 sec to 2 hours
- Controls Lights and Exhaust Fans
- White LED Night Light
- Green LED Indicator

**SPECIFICATIONS**

- Size: Fits Standard Switch Box
- Sensor Weight: 5 Ounces
- Sensor Colors: Ivory, White, Gray, and Almond
- Mounting Height: 30 to 48 inches
- Operating Temp: -40° to 85° F
- Storage Temp: -14° to 160° F
- Conformally Coated for protection from Condensation caused by High Humidity
- 120 VAC @ 800 W, 60 Hz
- 277 VAC @ 1200 W, 60 Hz
- 1/4 HP Motor Load
- Frequency: 60 Hz
- UL and CUL Listed
- 5 Year Warranty
- Made in U.S.A.

# NightLite™

**A SENSOR THAT'S A NIGHT LIGHT!**

Sensor Switch, the leader in occupancy sensor products and technology, introduces the NightLite Sensor. As the name implies, The NightLite Sensor (Part Number: WSD-NL) is a combination 24/7 night light and occupancy sensor capable of turning the lights off when the room is vacant. The NightLite Sensor is the perfect solution for Hotel and Hospital bathrooms where guests tend to leave the light on all night.

**THE PERFECT SOLUTION FOR THOSE 2AM TRIPS!**

Anyone who has gotten up in the middle of the night in a Hotel Room knows just how inconvenient it can be to find the bathroom. Worse yet is once you do find the light switch you're blinded by the light until your eyes adjust. As a result, many guests leave the bathroom light on all night. The NightLite Sensor, utilizes a high tech LED design, making it bright enough for most people to navigate a middle of the night trip to the bathroom without having to turn on the bright overhead lights. If the occupant wants to turn on the overhead lights, the WSD-NL's night light is the control switch itself. So, in the dark, an occupant intuitively pushes the light and the overhead lights come on. A second push and the lights go out.

**CUSTOMIZED OCCUPANCY DETECTION FEATURES**

The room is continually monitored for occupancy by the sensor's Passive Infrared detector, turning the lights off only when motion has not been detected for a user selected time period. The timer may be set at 15 minute increments up to 2 hours. The WSD-NL can also be set to be Manually Turned On, or Automatically Turned On when the room is first occupied. Most hotel bathrooms would use the Manual On feature, whereas in a hospital bathroom, the Fully Automatic setting is preferred. However, regardless of whether the lights are on or off, the control button remains illuminated as a permanent night light.

**EASY TO INSTALL AND ENERGY EFFICIENT**

Sensor Switch's patented bipolar wiring scheme and pushbutton timer settings make installation simple. The WSD-NL draws approximately one tenth of a watt at 120 VAC. This is 7 to 10 times less than other night light devices. Available in four colors, the NightLite Sensor is sure to add a convenient and stylish new dimension to any room!

**DESIGNED FOR HIGH HUMIDITY ENVIRONMENTS**

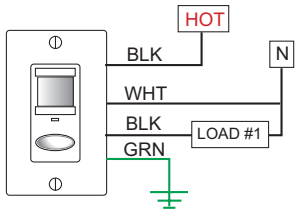
During manufacturing, every NightLite sensor receives a conformal coating that protects all components against damage from moisture. This is critical for applications where condensation occurs, as the process ensures long life of the electronics.



**Part Numbering System: WSD-NL-[VOLTAGE]-[COLOR\*]**

MODEL#	VOLTAGE	COLOR
WSD-NL	Blank = 120 VAC -277 = 277 VAC	-I = Ivory -W = White -G = Gray -A = Almond

\*Must specify color



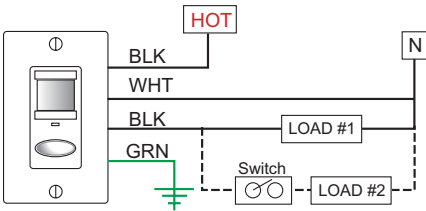
**TYPICAL WIRING DIAGRAM**

The sensor Black wires connect to the Hot or Line power and the Load. The sensor White wire connects to Neutral. The sensor Green wire connects to ground. The sensor requires several minutes to Warm Up.

**WIRING TO A LIGHT AND A FAN**

One sensor Black wire connects to the Hot or Line power. The other sensor Black wire connects to the Light and the Switch controlling the Exhaust Fan. The sensor White wire connects to Neutral. The sensor Green wire connects to ground. When the sensor is in the Occupied Mode, the Exhaust Fan may be overridden Off by the Toggle Switch.

*\*Use only with Plastic Wall Plates*



- Multi-gang installation
- Light & Fan Control
- Standard 2-gang plate not included



**TIME DELAY SETTING**

The sensor is factory set with a 60 minute Time Delay. This delay may be changed to 30 seconds for Test Mode, or set up to 2 hours in 15 minute increments.

**MANUAL ON vs. AUTO ON**

The sensor is factory set for Manual On. This means the occupant must push the lighted button to initiate the lights to an On condition. The sensor may be changed to Auto On, meaning that when the sensor detects an occupant, the lights will automatically turn On.

**MANUAL ON MODE & 10 SECOND GRACE PERIOD**

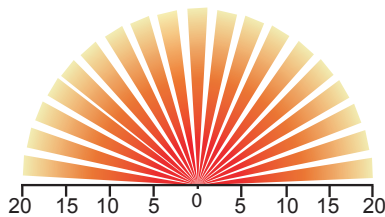
When the sensor times out, turning off the lights, the PIR detector remains active for 10 seconds to allow the occupant to move and Automatically turn on the lights. After 10 seconds, the manual button must be pushed to activate the lights.



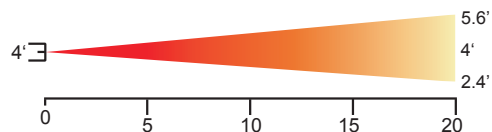
**AREA OF COVERAGE:**

The PIR collector beams view out horizontally in a wall-to-wall pattern. The beams will see out to 20 feet, however, the effectiveness for small hand or body motions is 10 feet.

**TOP VIEW**



**SIDE VIEW**



**WARRANTY:** Sensor Switch, Inc. warrants these products to be free of defects in manufacture and workmanship for a period of sixty months. Sensor Switch, Inc., upon prompt notice of such defect will, at its option, provide a Returned Material Authorization number and a replacement product.

**LIMITATIONS AND EXCLUSIONS:** This Warranty is in full lieu of all other representation and expressed and implied warranties (including the implied warranties of merchantability and fitness for use) and under no circumstances shall Sensor Switch, Inc. be liable for any incidental or consequential property damages or losses.



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