NLCDWS102B1

Line Voltage Dual Technology Occupancy/Vacancy Sensor Bluetooth Wall Switch

Project

Catalog

Type

Date

Product Description

The NLCDWS102B1 is a line-voltage switch featuring integrated dual-tech PIR / Ultrasonic sensing with daylight detection capabilities. A built-in relay provides control for lighting loads up to 6A. The unit consists of a 4-button interface that provides manual Dim Up, Dim Down, ON, and OFF control. Setup and commissioning require the NICOR NLC mobile app (iOS and Android).
Note: The NLCDWS102B1 does not provide wired 0-10V dimming connections. 0-10v dimming is controlled via Bluetooth through other NLC components.

Construction
- IP20
- Housing Material Flame Rating: UL 94-5VA
- Color: White

Network Technology
- Bluetooth Low Energy (BLE) 5.0, 2.4 GHz ±75 MHz with mesh networking
- Bluetooth range: up to 100ft (line of sight)
- Commissioned via NICOR NLC app (iOS and Android compatible)
- UL1376 Cyber Security Certification

Mounting
- Requires a Decora switch plate (not included).
- Ideal for retrofit applications where existing wall controls are being replaced.
- Neutral conductor required.

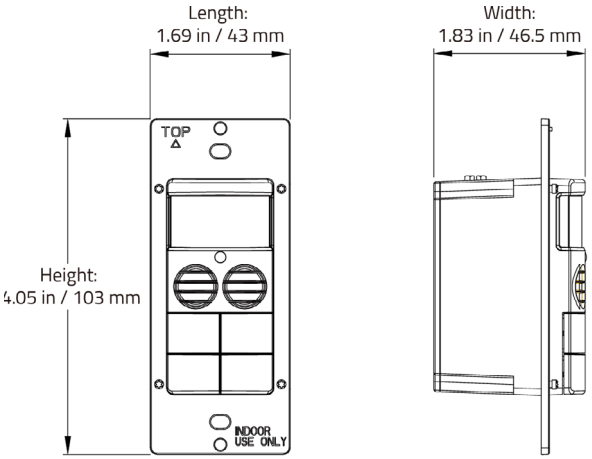
Electrical
- Input voltage: 120-277 VAC, 50/60 Hz
- Output voltage: 120–277 VAC
- Output current: 6 A maximum
- Output power: 720 W max @ 120 V, 1662 W max @ 277 V
- Operating temperature: 0°C to 55°C (32°F to 131°F)
- Storage temperature: -30 °C to 85 °C (-22 °F to 185 °F)
- Note: The NLCDWS102B1 does not provide 0-10V dimming connections

Listings
- UL 8750
- cULus Listed
- DLC NLC5
- RoHS Compliant

Warranty
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)





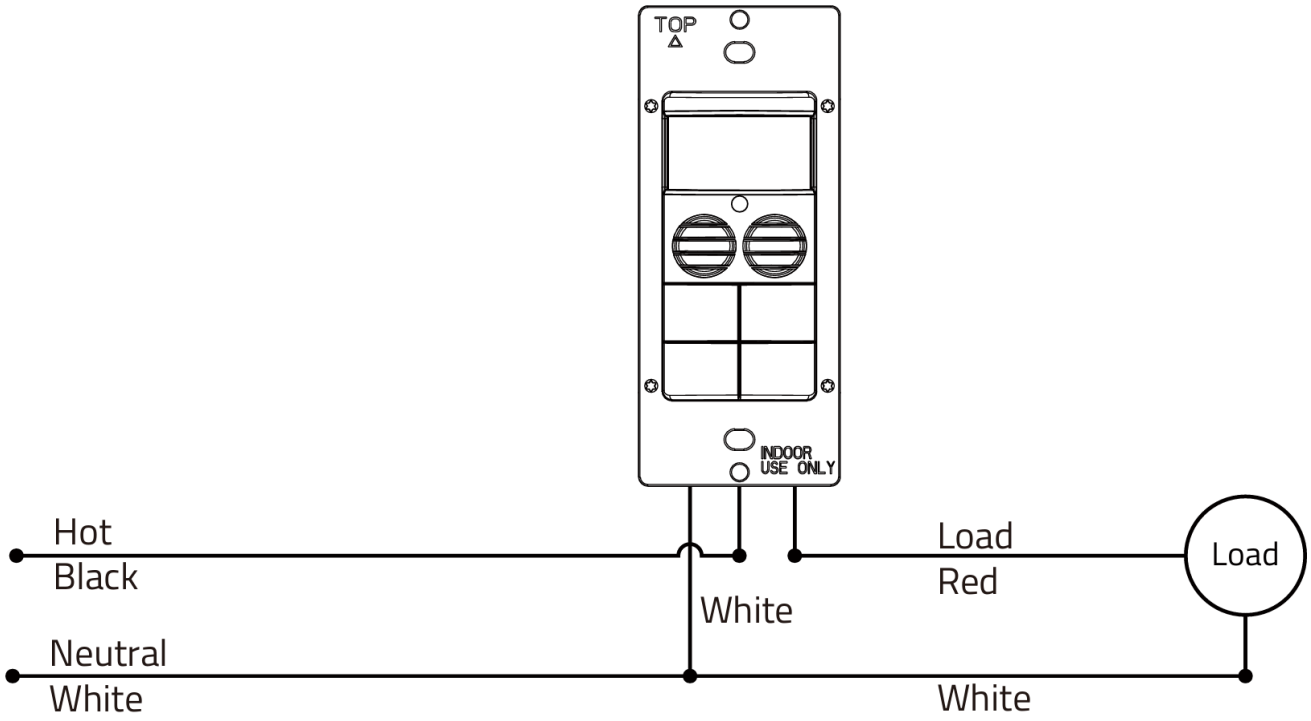


Ordering Information

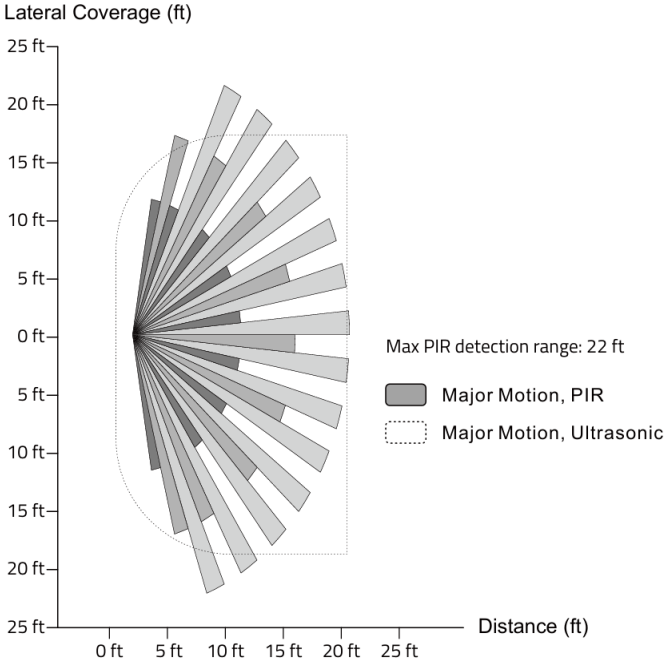
Part Number	Description
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Specifications and dimensions subject to change without notice.

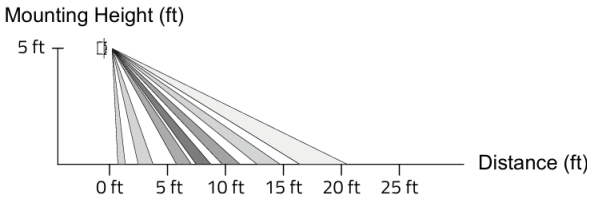
Wiring Diagram



Coverage Pattern



Top View



Side View

Download the NICOR NLC App

GET IT ON Google Play

Download on the App Store

Scan QR code or click on buttons to download the NICOR NLC App. NICOR NLC App will need access to network and Bluetooth. Accept prompt to allow access to photos for QR codes to be automatically saved in your album.

For more information check our **NICOR NLC Commissioning Guide.**
(https://nicorlighting.com/NLC/NLC%20Commissioning%20Guide.pdf)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.