

NX™ Ceiling Mount and Wall Mount Sensors

NX SERIES NETWORKED LIGHTING CONTROLS

TITLE
24
COMPLIANCE



LISTED



PROJECT INFORMATION

Project Name _____

Catalog No. _____

Date _____

NX™ DISTRIBUTED INTELLIGENCE



NXOS-OMDT2



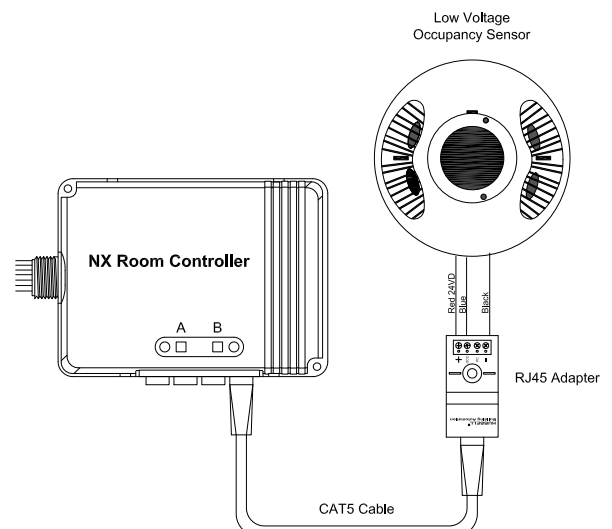
NXOS-LODT

Our NX Ceiling Mount and Wall Mount Occupancy Sensors employ Passive Infrared and Ultrasonic sensing technologies to turn lighting on and off based on occupancy. These sensors represent the state-of-the-art in sensor technology and are designed to provide accurate turn-on while virtually eliminating false-offs.

The sensors feature Hubbell Control Solutions' patented IntelliDAPT® technology, which makes all the sensor adjustments automatically. Throughout the product's lifespan, smart software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with *IntelliDAPT* provide a maintenance-free, install and forget operation. All NX Series Occupancy Sensors provide plug-and-play integration with the wired and wireless NX Room Controllers.

PRODUCT FEATURES

- *IntelliDAPT* self-adaptive technology – no manual adjustment required
- Occupancy or vacancy operation selectable per load when used with the NX Room Controller
- All-digital sensor
- Non-volatile memory for sensor settings
- 500 to 2,000 square-foot coverage area (based on model)
- Plug and play integration with NX Room Controller
- UL and cUL listed
- Five-year limited warranty
- Low voltage device: 24 Vdc



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Control Solutions

General Specifications

IntelliDAPT® Technology	Auto reset from test setting Self-adjusting timer Self-adjusting ultrasonic and passive infrared thresholds Automatic false-on, false-off corrections
LED Indicators	Red: motion detected by Passive Infrared sensing technology Green: motion detected by Ultrasonic sensing technology
Timer Timeout	Automatic mode: 8-30 min. (self-adjusts based on occupancy) Test mode: 8 seconds (for an easy check at installation)
Ultrasonic Output	Maximum amount of radiation output allowed: 115dB @ 1 ft. [0.30 m] from source Frequency: 32.768kHz or 40kHz (based on model)
Passive Infrared	Dual element pyrometer and 12 element cylindrical rugged lens
Coverage	Ceiling mount sensor: 500 sq. ft. (Major motion) / 250 sq. ft. (Minor motion) to 2000 sq. ft. (Major motion) / 1000 sq. ft. (Minor motion) –(based on model)
Power Requirements	Powered by NX Room Controller using plenum rated CAT5 cables (ordered separately)
Operating Environment	Indoor use only Operating Temperature: 32°F to +104°F [0°C to +40°C] Relative humidity (non-condensing): 0 to 95%
Construction	Casing – rugged, high-impact, injection-molded plastic KJB ABS Cyclocac (UV-945VA) flame class rating, UV inhibitors
Dimensions	Ceiling Sensor: 4.5" [114.3mm] D, 1.5" [38.1mm] H Wall Sensor: 3.72" [94.49 mm] D, 6.58" [167.13 mm] H, 3.63" [85.34 mm] W
Weight	5.0 oz [142g]
Color	Off White
Mounting	Mounting base provided Recommended MAX mounting height: 12 ft. [3.66 m]
Patents	U.S. Patents: 6151529, 5946209, 5699243, 5640143, 6415205, 6078253, D404326, 6222191, 5986357, 6759954 Patent(s) Pending
Certifications	UL and cUL listed
Warranty	Five-year limited

Ordering Information

NXOS	
MODEL	SENSOR TYPE
NXOS	<p>OMDT1 Ceiling mount, PIR and Ultrasonic, 1000 Sq. Ft.</p> <p>OMDT2 Ceiling mount, PIR and Ultrasonic, 2000 Sq. Ft.</p> <p>OMDT5 Ceiling mount, PIR and Ultrasonic, 500 Sq. Ft.</p> <p>OMUS1 Ceiling mount, Ultrasonic, 1000 Sq. Ft.</p> <p>OMUS2 Ceiling mount, Ultrasonic, 2000 Sq. Ft.</p> <p>OMIRL Ceiling mount, PIR, extended range 1500 Sq. Ft.</p> <p>OMIR Ceiling mount, PIR, high density, 450 Sq. Ft.</p> <p>LODT Wall mount, PIR and Ultrasonic, 1600 Sq. Ft.</p> <p>LOIRVV Wall mount, PIR, 2500 Sq. Ft.</p> <p>OMDT1R Ceiling mount, PIR and Ultrasonic, 1000 Sq. Ft. Form C Relay</p> <p>OMDT2R Ceiling mount, PIR and Ultrasonic, 2000 Sq. Ft. Form C Relay</p> <p>OMDT5R Ceiling mount, PIR and Ultrasonic, 500 Sq. Ft. Form C Relay</p> <p>OMUS1R Ceiling mount, Ultrasonic, 1000 Sq. Ft. Form C Relay</p> <p>OMUS2R Ceiling mount, Ultrasonic, 2000 Sq. Ft. Form C Relay</p> <p>OMIRLR Ceiling mount, PIR, extended range 1500 Sq. Ft. Form C Relay</p> <p>OMIRR Ceiling mount, PIR, high density, 450 Sq. Ft. Form C Relay</p> <p>LODTR Wall mount, PIR and Ultrasonic, 1600 Sq. Ft. Form C Relay</p> <p>LOIRVVR Wall mount, PIR, 2500 Sq. Ft. Form C Relay</p>

All NXOS sensors include CAT5 adapter, model RJ45ADAPTER

Note: other HCS sensors may be used with the NXRC room controllers. Order RJ45ADAPTER separately.



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