

MWOS360R2

Microwave Occupancy Sensor with Remote Control

Product Description

The MWOS series Microwave Occupancy Sensor provides highly configurable, IP65 rated motion detection with an integrated daylight sensor for mounting applications up to 50ft. The MWOS360R2 installs into a standard 1/2" KO and can control any 0-10v dimmable fixture. This sensor is ideal for manufacturing, warehouse, storage and other large installation spaces.

Construction

- All polymer, fully sealed body
- Integral 1/2" knockout stem
- IP65 rated
- Microwave motion detection with built in daylight sensor

Electrical

- Self contained relay, no power pack required
- Compatible with Electronic & Magnetic Ballasts, CFL, LED and Incandescent loads
- No minimum load requirement
- Remote and DIP switch programmable
- Highly configurable: Detection Area, Time Delay, Daylight Threshold

Installation

- Mounts to 1/2" knockout. Locking nut and gasket provided
- 5 wire connection : 3 load, 2 dimming (0-10V)
- Max mounting height : 50ft (15m)
- Operating temperature range : -30°F - 155°F (-35°C - 70°C)
- No field calibration required

Warranty

- 5-year limited system warranty standard
- Note: Performance is of a representative fixture. Results may vary in the field as a result of installation environment and application.

PRODUCT INFORMATION

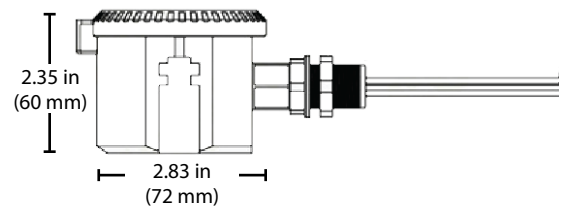
Detection System:	5.8GHz±75MHz, ISM Band
Operating Voltage:	120-277VAC
Maximum Rated Load:	Inductive: 400W @ 120V, 800W @ 277V Resistive: 800W @ 120-277V
Weight:	0.45 lbs
IP Rating	IP65
Power Draw:	< 0.5W standby, <1W operation
Motion Detection:	52.4 ft x 49.2 ft (16m x 15m)

Project

Catalog

Type

Date



Ordering Information

Series

MWOS360R2

Example: MWOS360R2

Specifications and dimensions subject to change without notice

Accessories:

MWOS360R2-REMOTE

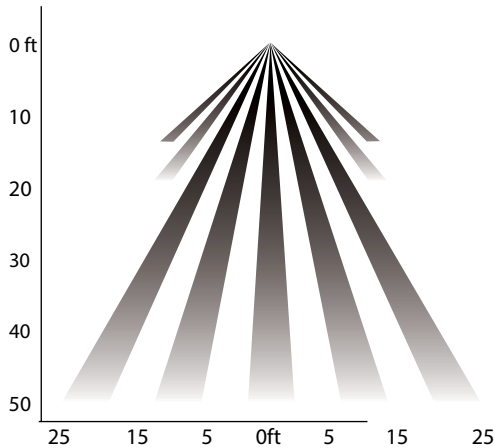
Remote Control for MWOS360R2

Settings and Coverage Pattern

Note: For instruction on changing settings via DIP switch or remote control, see the MWOS360R2 installation instructions.

- Hold time : 5s / 30s / 1min / 3min / 20min / 30min
- Detection sensitivity : 50% / 100%
- Daylight sensor : 5lux / 15lux / 30lux / 50lux / 100lux / 150lux / Disable
- Stand-by period : 0s / 1min / 3min / 10min / 30min / Disable
- Stand-by dimming level : 10% / 20% / 30% / 50%

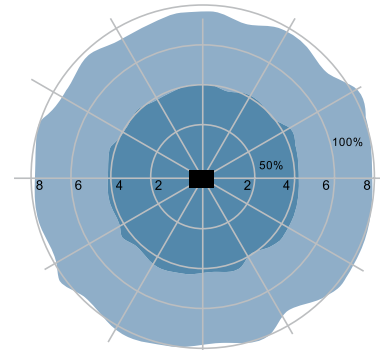
- Motion detection : 1.6-9.8 ft/s (0.5~3m/s)
- Detection angle : 360°



Default DIP Switch Settings

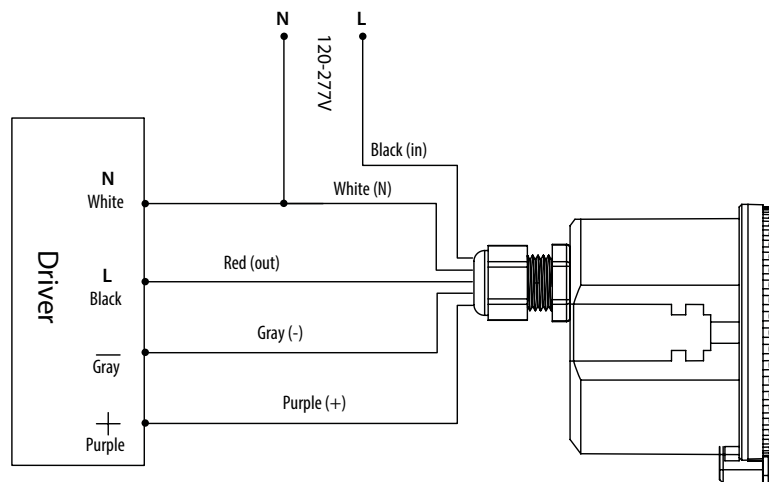
Unless the customer specifies a different setting the microwave sensors will ship from NICOR as shown below:

- Detection area will be set at 50% (12.5 ft. radius)
- Hold time will be set at 3 minutes
- Stand-by period will be set to 3 minutes
- Stand-by dimming level will be set to 20% dim
- Daylight sensing will be set to disabled mode.



Ceiling mounting pattern (Unit: m)

Wiring Information



EXPRESS LIMITED WARRANTY

Subject to the exclusions contained below, NICOR Inc. (NICOR) warrants that all NICOR LED branded Solid State Lighting products made by NICOR to be free from defects in materials and workmanship, under normal consumer usage for a period of 5 years from date of purchase. This limited warranty is a consumer's exclusive remedy, and applies only to new products purchased and used by consumers in the United States or Canada, which are accompanied by this written warranty.

This limited warranty extends only to the first consumer purchaser, and is not transferable. A consumer wishing to invoke the terms of this warranty must first obtain a RGA number within 30 days of discovery of the defect, and return the product to NICOR for inspection. Once verified to be covered by this limited warranty, NICOR will, at its discretion, repair, replace or refund the purchase price of any product that does not conform to this limited warranty.

This limited warranty covers only defects in material and workmanship associated with normal installation and intended use of the product.

THIS LIMITED WARRANTY DOES NOT COVER THE FOLLOWING:

- Defects or damages resulting from improper operation, storage, misuse or abuse, accident or neglect;
- Defects or damages resulting from improper service, testing, adjustment, installation, maintenance, alteration, connection to out-of-specification electrical service, corrosive or damp environments, or connection to incompatible equipment or devices (e.g., connecting non-dimmable lighting products to dimmers);
- Damage which occurs in transit; and
- Labor or other charges or expenses associated with the removal, repair, or re-installation of defective or replacement products.

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL NICOR BE LIABLE, WHETHER IN CONTRACT OR IN TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCT TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

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