

GridNavigator

GN SENSOR

INSTALLATION INSTRUCTIONS

GridNavigator

200 Varick Street, #508

New York, NY 10014

www.GridNavigator.com

Model Number:GN-SN-001



Description

GridNavigator's all in one GNSensor is an integrated battery-operated, multi-function wireless light, motion, and dual temperature smart sensor. It is designed for simple installation and an unobtrusive appearance.

The GN Sensor combines ultrasonic, passive infrared, and ambient temperature measurement, which is transmitted wirelessly to networked devices.

When integrated with GridNavigator's intelligent wireless EMS, the GN sensor ensures maximum energy savings without disturbing occupant comfort.

Specifications

General	
Power	2 AAA 1.5-volt batteries
Operating Conditions	-20° to +120° F
Storage Conditions	-20° to +120° F
Ambient Light Environment Coverage Area Mounting Height Lens	~90° Cone @ 9 ft. ~250 sq. ft. 7 to 18 ft. Diffuse light pipe
Occupancy Environment Coverage Area Mounting Height Lens	~120° Cone @ 9 ft. ~750 sq. ft. 7 to 18 ft. IR prismatic
Temperature Range	Ambient -20° to +120° F
Housing	ABS plastic
Dimensions	110 mm diam. X 50 mm deep
Weight	100g (3.5 oz.) without batteries 150g (5.3 oz.) with batteries installed

Precautions

Read all instructions and understand them before attempting installation. This document should be saved for future reference and passed on to any subsequent owner.

Installation

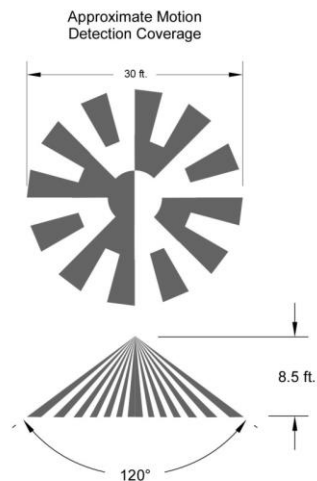
The GN Sensor is easy to install with simple system integration. Follow these steps to ensure proper installation and operation of the sensor.

1. Sensor Placement

The placement of the GNSensor depends on the desired functionality. Generally, it is recommended you place the sensor on a flat stable surface in a position where it is easy to reach for battery replacement.

- 1.1. For day-light harvesting, select a position on a ceiling where:
 - a. Room occupants are likely to require sufficient light to work at night
 - b. The ambient sensor is not likely to be obstructed and remains free from dust or contaminants.
- 1.2. For motion sensing, select a position on a wall or ceiling where:
 - a. The sensor can detect occupants in or entering the room to keep lights on for their safety and comfort
 - b. The sensor is not likely to be obstructed and remains free from dust or contaminants.
 - c. The motion sensor range falls within the detecting area of the lens as shown in Fig.2

Fig. 2: Range of Lens Detection



- Do not kink the 6 ft. sensor cable.
- Secure the 6 ft. cable to avoid tripping hazards.
- Immediately remove all low powered batteries to avoid leakage and damage.

1.3. For remote monitoring of refrigeration select a location where:

- The sensor is protected from water and other precipitation. The case is water resistant, not water proof.
- It is close proximity to the refrigeration unit.
The 3 foot probe allows you to place the probe within an area and close the door without affecting the probe or the door seal.

1.4. For remote monitoring of indoor temperature, select a location 5 feet above the floor in an area with good air circulation at average temperature.

2. Mounting the Sensor

Battery operation makes the sensor simple to install because no special wiring or cabling is required. There are two options for mounting the GN Sensor.

2.1. Mounting via adhesive tape without temperature probe:

- Apply mounting tape to back of sensor
- Attach sensor to the desired location

2.2. Mounting via adhesive tape with temperature probe:

- Apply mounting tape to back of sensor
- Attach sensor to the desired location
- Insert temperature probe and secure to avoid tripping hazards.

3. System Integration

INSERT
INSERT
INSERT

4. Operation

- It is important to keep the light and motion detection elements free from any dust, debris, or other air-borne contaminants that might prevent their working properly.
- Clean the sensor with a soft, damp cloth. Do not use solvents or scouring agents.

WARRANTY

All products sold by GRIDNAVIGATOR are guaranteed against defects in material and workmanship for a period of one year from the date of shipment. GRIDNAVIGATOR responsibility is limited to repair, replacement, or refund, any of which may be selected by GRIDNAVIGATOR at its sole discretion. GRIDNAVIGATOR reserves the right to substitute functionally equivalent new or serviceable used parts.

This warranty covers only defects arising under normal use and does not include malfunctions or failures resulting from: misuse, neglect, improper application, improper installation, water damage, acts of nature, lightning, or repairs by anyone other than GRIDNAVIGATOR.

Except as set forth herein, GRIDNAVIGATOR makes no warranties, expressed or implied, and GRIDNAVIGATOR disclaims and negates all other warranties, including without limitation, implied warranties of merchantability and fitness for a particular purpose. Some states or jurisdictions do not allow limitations on implied warranties, so these limitations may not apply to you.

Limitation of Liability:

In no event shall GRIDNAVIGATOR be liable for any indirect, special, incidental, or consequential damages. Some states or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

Regulatory Compliances

Contains Transmitter Module FCC ID: OA3MRF24J40MC

The enclosed device complies with Part 15 of the FCC Rules and Industry Canada License Exempt RSS Standard(s). 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.

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 not cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment to an outlet on a circuit that is different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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