IDEAL WAREHOUSE INNOVATIONS INC®

Protecting Your People

360° Aisle Signal

Installation Instructions & Owner's Manual



WARNING

This product is only intended to provide a visual alert to personnel, warning of a potential hazard. The driver and pedestrian(s) are responsible for their own safety.
A daily inspection of the device should be completed to ensure all aspects of the unit are functional and that visibility of warnings lights are not obstructed. All personnel should have training on the intent and safe operation of the unit.



Items included:

(1) 360° Aisle Signal with (4) sensors and power supply attached
(4) 15’ length chain
(8) D-Links (Quick Connect)
(1) Installation Instructions

Specifications:

- **Dimensions:** 14.25” x 14.25” x 11.5” (362mm x 362mm x 292mm)
- **Weight:** 31 lb (14kg)
- **Construction:** Steel, Aluminum, Polycarbonate
- **Power Source:** 110V; 0.5-1 amp power draw; 8 ft power cord
- **Light Life:** 50,000 hours rated life
- **Light Color:** Red
- **Light Type:** LED
- **Lux on 5 Meter:** 1000 Lux (bottom spot light)
- **Compliances:** UL/ULC certified
- Each sensor can cover up to 40 ft x 40 ft (12m x 12m) area
- Dynamic Temperature Sensitivity allows for better detection in different environments

Installation Instructions:

1. Carefully remove the unit from the box.

2. Test the unit by plugging it into a 110V receptacle.
    a. Prop-up the unit such that the bottom light is visible.
    b. Trigger each sensor individually and verify that (3) lights are active and flashing - bottom light and the sideways facing lights relative to sensor (Figure 1).
    c. If any lights or sensors do not appear to be active, <u>do not</u> install the product. Please contact our Customer Support Team using the contact information provided at the end of this document.

Figure 1

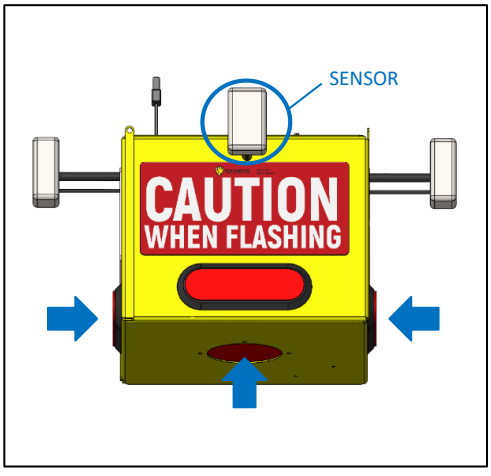
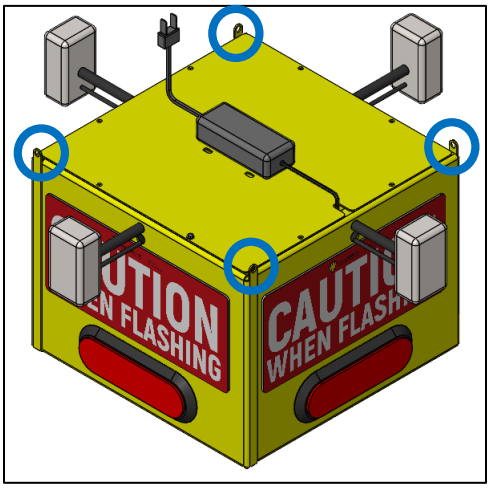


Figure 2

3. Attach chains at each corner using the provided D-Links (Figure 2)



4. Hang the unit securely by the chains. Secure in-place so the unit does not sway.

5. Adjust the height of the unit to avoid collision with equipment and personnel.
   Optimal height range is 7.5 ft to 9 ft (2.2m to 2.75m) See Figure 3.

6. After unit is secured in-place, adjust sensors to point at desired trigger area (Figure 3 & 4)
   a. Using the thumb release lever, release sensor and position upright (Figure 3)
   b. Adjust sensor angle for the optimum angle (Figure 4).
   c. While holding sensor, tighten the release thumb lever.

Figure 3

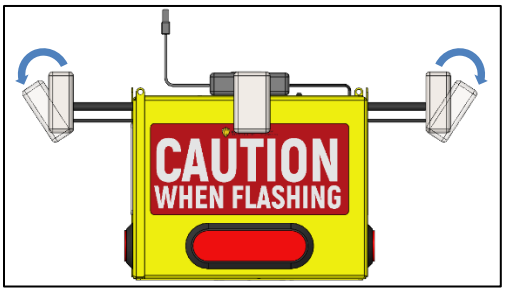
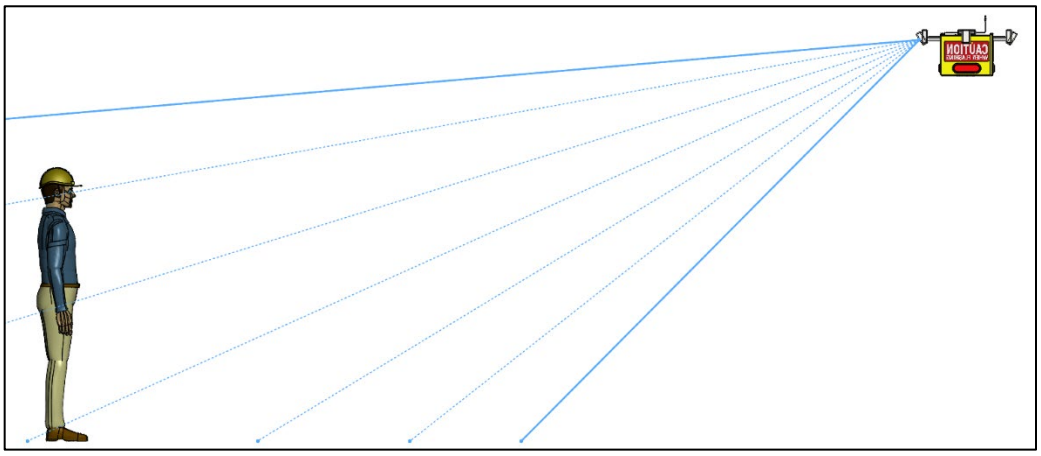


Figure 4



7. Locate plug from power supply and plug into the top of unit (Figure 3).

8. Test all sensor positions with typical equipment to ensure all are optimized for greatest safety.

Warranty Information

Ideal Warehouse Innovations, Inc. warrants for a period of three hundred and sixty-five (365) days from date of installation, or three hundred and seventy-five (375) days from date of shipment, whichever shall occur first, that all products and service parts shall be free from defects in workmanship and material. If the equipment or any part thereof, is returned, transportation charges pre-paid, within the periods specified above, and if examination by Ideal Warehouse Innovations, Inc. discloses to its satisfaction that the said equipment or part thereof has been defective in workmanship or material, it will deliver to the purchaser, without charge, parts of the first class workmanship and material in exchange for any parts so found to be defective, and Ideal Warehouse Innovations, Inc. is limited to said exchange.

This warranty shall not apply: (1) to maintenance service or adjustment; and (2) to any equipment which shall have been repaired or altered outside of Ideal Warehouse Innovations, Inc. or its authorized service representatives.

These warranties are in lieu of all other warranties, expressed or implied, including, without limitation, warranties of merchantability and fitness for purpose, all other representations to the first user purchaser, and all other obligations or liabilities, including liability or incidental and consequential damages, on the part of Ideal Warehouse Innovations, Inc.

No person is authorized to give any other warranties or to assume any other liability on behalf of Ideal Warehouse Innovations, Inc. unless made or assumed in writing by Ideal Warehouse Innovations, Inc.

Trouble Shooting – Refer to Figure 2: PCB Board Layout for Troubleshooting

1. No lights turn on:
   - **1.1.** Turn off power and isolate, ensuring that the equipment cannot be re-energized
   - **1.2.** Confirm that the power wire is properly connected to the board
   - **1.3.** Reconnect power and test

2. The bottom light doesn't turn on:
   - **2.1.** Turn off power and isolate, ensuring that the equipment cannot be re-energized
   - **2.2.** Confirm that the bottom light is properly connect to the board
   - **2.3.** Reconnect power and test

3. One of the side lights doesn't turn on:
   - **3.1.** Turn off power and isolate, ensuring that the equipment cannot be re-energized
   - **3.2.** Confirm that the sensors are properly connected to the board
   - **3.3.** Confirm that the lights are properly connected to the board
   - **3.4.** Reconnect power and test

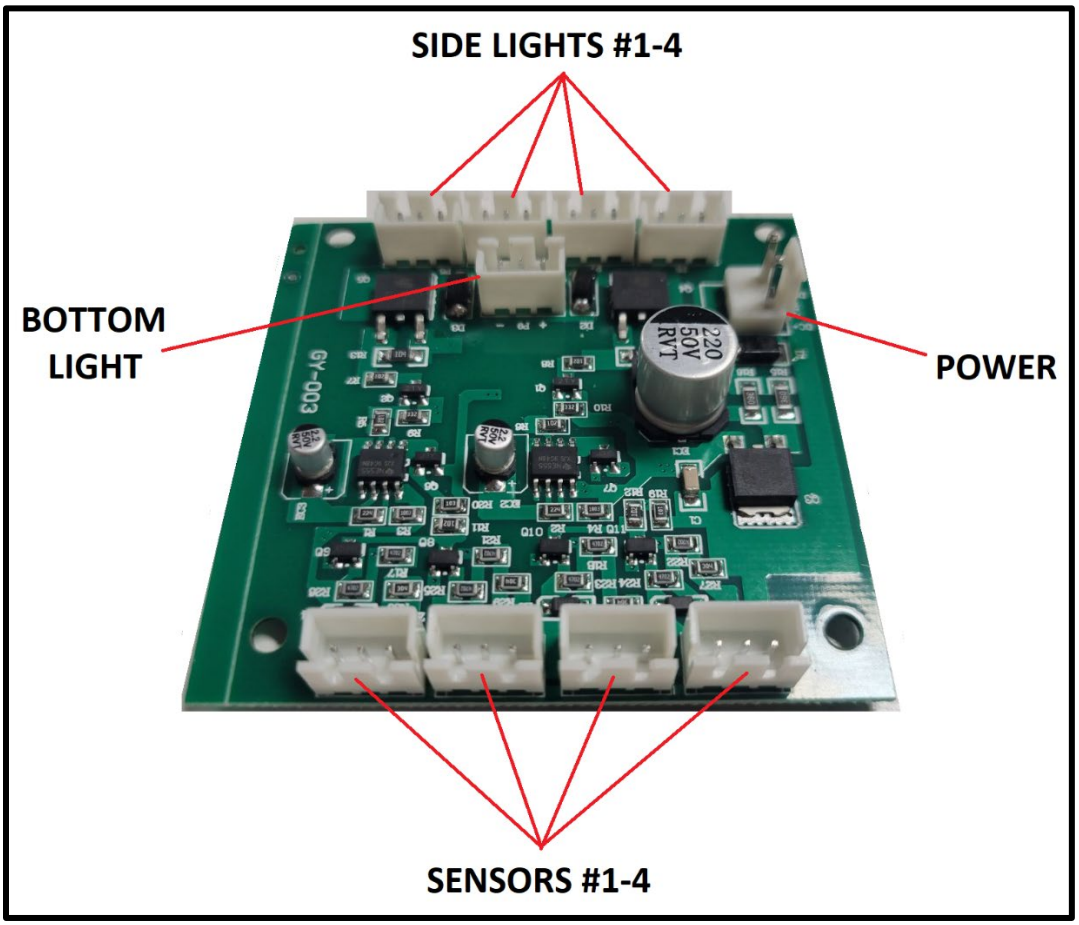


Figure 2: PCB Board Layout for Troubleshooting

Sensor Range – Refer to Figure 3: Sensor Range

NOTE: The sensor is a passive infrared sensor. It functions by detecting a change in the infrared picture within its sensing range.

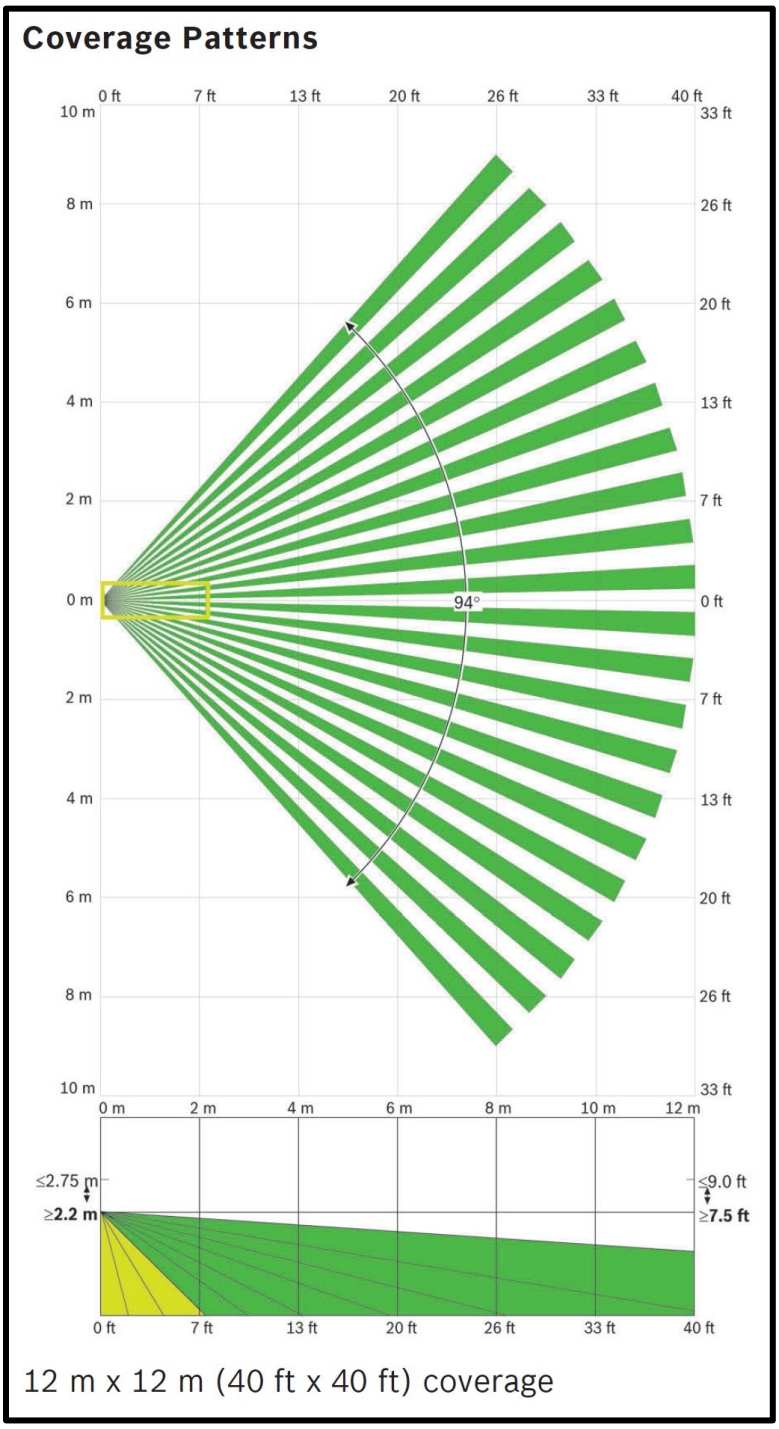


Figure 3: Sensor Range

Contact Information

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