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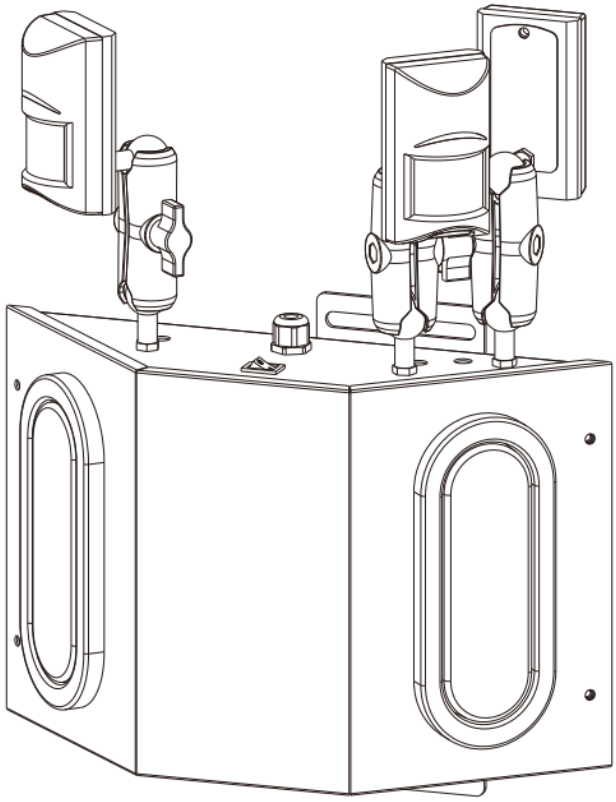
User's manual	Manual del usuario	Manuel de l'utilisateur
Customer Service US: 1-800-645-2986	Servicio de atención al Cliente US: 1-800-645-2986	Service à la clientèle Canada: 888-645-2986

Forklift Awareness Sensor

Model No: 641665

Product Instruction Manual

Please read the instructions carefully before use and follow the instructions



I. Product Use and Function Introduction

- **Product Name**: Forklift Awareness Sensor

- **Application and Function Introduction**: The product is for safety warning when forklifts and people are passing the aisle. As the passive infrared sensor detects moving objects or humans, it will alarm and flash at the same time to avoid a collision.



- The Purchase / Safety Manager should explain the features and operation of this safety device to all personnel prior to making it operational. The use of this or any warning device does not ensure that all drivers or pedestrians will observe or react to a warning signal. It is the responsibility of the operator to proceed safely before entering an intersection, driving in traffic, backing in or out of a tight location, driving in or around traffic lanes or near pedestrian walkways.
- The effectiveness of this device is highly dependent on observation and reaction of the warning provided. It is also important to follow all manufacturer's instructions when installing this equipment.
- The vehicle operator should ensure daily that all features of the device are functional and that their view is not obstructed in any way.
- It is the user' s responsibility to understand the functionality of any warning device and obey all regulations regarding safe operation of a fork truck as written by OSHA.

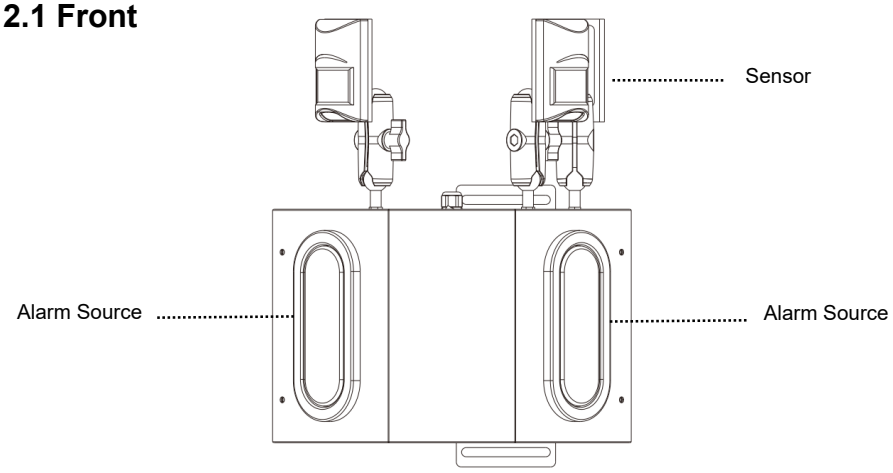
II. Product Introduction

1. Product Main Structure Composition

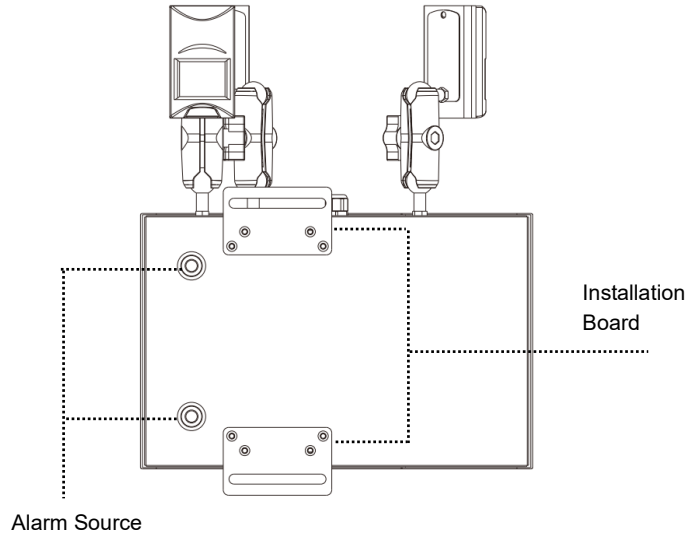
The portable power station is mainly composed of a metal shell, passive infrared sensor, LED alarm source, adaptor, control board, and other main accessories.

2. Function Introduction

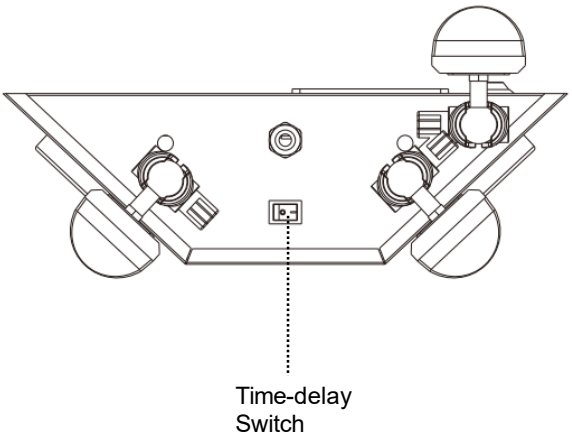
2.1 Front



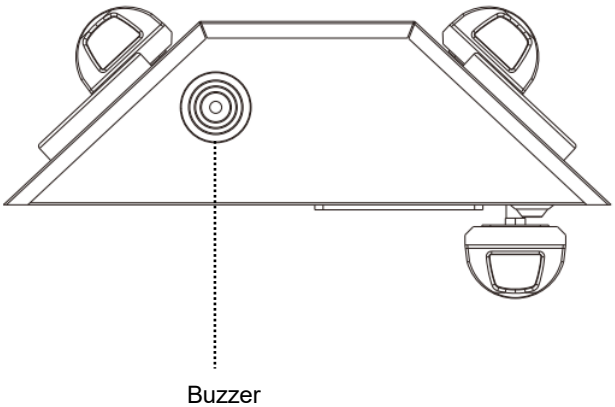
2.2 Rear



2.3 Top



2.4 Bottom



III. Technical Parameters

Item	Parameter
Model	CAF3
Sensing Distance	26.2ft
Pet-proof Function	No
Input Voltage	AC:100-240V 50/60Hz
Number of Sensors	3
Number of Alarm Source	4
Buzzer	100db
Delay Time	Adjustable 15S/5S/30S (See Switch Marking）
Installation	Screw Mounting
Dimension	14.37"*4.33"*9.3"（W*D*H）
Net Weight	18.7 lbs.
Ambient Temperature Range	-5-40℃ Relative Humidity ≤80%
Transport and Storage Environment	Temperature: -15-55℃ Relative Humidity: ≤93% (non-condensing) Atmospheric Pressure: 70kPa ~ 106kPa

IV. Operation and Installation

1. Remove the product from the box and check whether there is any visible damage, including looseness or breakage on the cable, alarm source, and sensors. If you encounter any damages, please discontinue use immediately and contact Customer Service
2. Install the sensor on the bracket of the product and tighten the screw (See attached Figure 1).
3. Apply bolts, washers, and nuts to mount the product on the intersection point of the rack. (The mounted height between the product and ground≥ 6.56ft, ≤ 8.2ft. See attached Figure 2).
4. Hold the sensor first. Then loosen the bracket screw and align the angle of three sensors with the detected range, to have a better detection range. And tighten the screw.
5. Set the time delay switch time. The switch gear I represents 15s, 0 represents 5s, and II, 30s.
6. Plug the power cord into the AC socket.
7. After powering on, every sensor light will flash for self-test and the device will work. At the same time, the self-test will be on for one minute.
8. During the self-test, the user should observe whether the lights on each sensor are flashing and working. If there is no action, stop using the device immediately.

Figure 1

Install the sensor on the bracket and tighten the screw

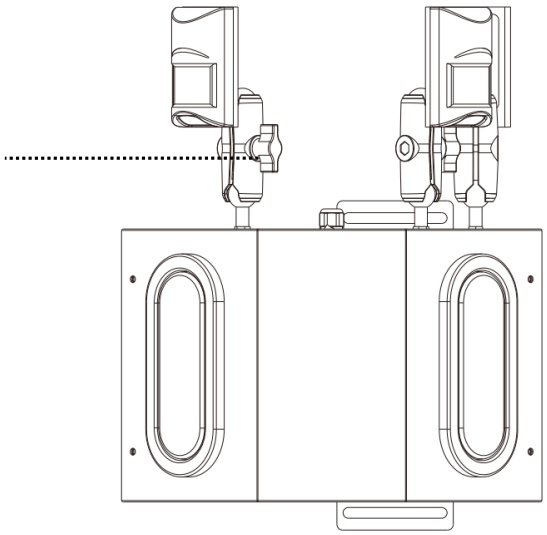
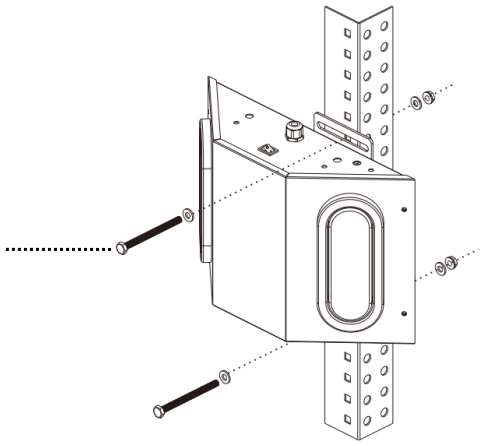
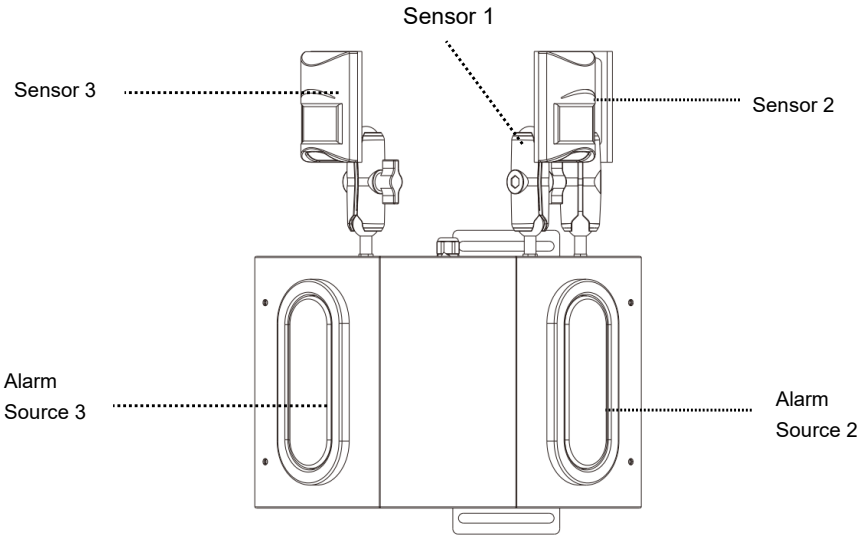


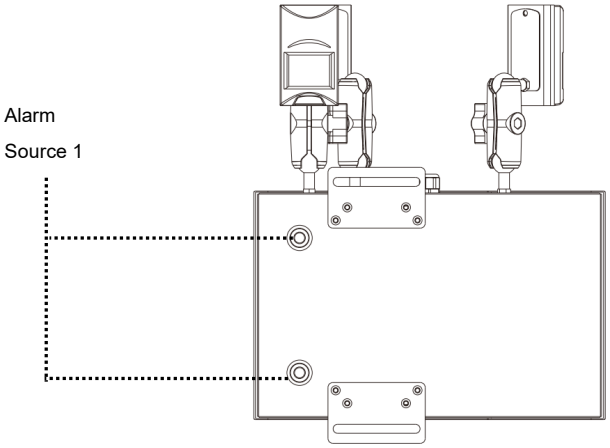
Figure 2

Mount the product on the intersection point of the rack



V. Sensor Working Mode





Working Mode:

5.1: When sensor 1 is working, alarm sources 1, 2, and 3 will flash, and the buzzer will work.
5.2. When sensor 2 is working, alarm sources 1 and 3 will flash, and the buzzer will work.
5.3. When sensor 3 is working, alarm sources 1 and 2 will flash, and the buzzer will work.
5.4: When sensors 2 and 3 are working, alarm sources 1, 2, and 3 will flash, and the buzzer will work.
5.5: When sensors 1, 2, and 3 are working, alarm sources 1, 2, and 3 will flash, and the buzzer will work.

VI. Product Packing List

Forklift Awareness Sensor-1

Set of Mounting Screws-1