## Inform the building owner/operator of the following items

**WARNING**

1. Do not wash the sensor with water.
2. Do not disassemble, rebuild, or repair the sensor yourself as it may result in electric shock.
3. Always keep the detection window clean. If dirty, wipe it with a damp cloth. Do not use any cleaner/solvent.
4. When the operation indicator blinks Green, contact your installer or service engineer.
5. Do not place any objects that move or emit light in the detection area. (e.g. plants, illuminations, etc.)
6. Before leaving the installation site make sure that the product is operating properly and instruct the building owner/operator on the proper operation of the door.
7. The product settings can only be changed by an installer or service engineer. When changed, the amended settings and data will be registered in the maintenance logbook that accompanies the door.

**NOTE**

Pay special attention to sections with this symbol.

### EU declaration of conformity

OPTEX hereby declares that the radio equipment type OAM-EXPLORER series complies with RED 2014/53/EU.

The full text of the EU DoC is available at the following internet address: www.optex.net

### Specifications

- **Model:** OAM-EXPLORER
- **Operating temperature:** -35 to +55°C (-31 to 131 °F)
- **Operating humidity:** < 80%
- **Mounting height:** 2.0m to 6.0m (6'7" to 19'8") (*1)
- **Transmitter frequency:** 24.2GHz
- **Transmitter radiated power:** < 12.7dBm
- **Detection area:** Microwave area 0 to +50°
- **Detection method:** Microwave Doppler effect, Active infrared reflection (*2)
- **Power supply:** 12 to 24VAC ±10% (50/60Hz)
- **Power consumption:** < 2.6W (< 3.5VA at AC)
- **Output hold time:** Approx. 0.5 sec. (Selectable via app)
- **Response time:** < 0.3 sec. (Selectable via app)

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* 1: A person can be detected at an installation height up to 4m (13' 1″).
* 2: Active infrared reflection has a presence detection function.
* 3: The sensor can send an output to other devices such as a flashing light and alert sound.
### Installation

1. **Mounting**
   - Affix the mounting template at the desired mounting position.
   - Drill two mounting holes measuring ø3.4mm (ø1/8") following the mounting template.
   - To pass the cable through the wall/ceiling, drill a ø10mm (ø3/8") wiring hole as necessary.
   - Remove the mounting template and secure the sensor to the mounting surface with the two mounting screws.

2. **Wiring**
   - Wire the cable to the door controller as shown below.

   ![Wire diagram]

   **WARNING**
   
   Danger of electric shock

   Before starting the procedure, make sure that the power is turned OFF. When passing the cable through the hole, do not tear the shield as this may result in electric shock or damage to the sensor.

3. **Turn ON the power**
   - Plug in the connector.
   - Supply power to the sensor. Adjust the detection area and set the settings. (See Adjustments)

   **NOTE**
   
   Make sure to connect the cable correctly to the door controller before turning the power ON. When turning the power ON or after adjusting the settings, avoid entering the detection area for longer than 10 seconds to enable the presence detection.

### Adjustments

#### 1. Depth angle adjustment

The sensor has a scale and the mounting bracket has two notches. (*)

When adjusting the depth angle, match the scale to the notch according to the mounting position.

1. Loosen the AIR/Microwave fix screw.
2. Adjust the AIR/Microwave depth angle.
3. Fasten the AIR/Microwave fix screw.

When adjusting the 1st row close the door and set the installation mode to "ON" via the app. After adjusting, set to "OFF." The AIR depth angle and Microwave depth angle are adjusted independently.

**NOTE**

Make sure that the detection area does not overlap with the door and that there is no highly reflective object near the detection area, otherwise ghosting/signal saturation may occur.

#### 2. Settings

Use a smartphone/tablet computer to change the settings of OAM-EXPLORER.

* The app is free of charge, but communication fees are chargeable for the download.

- This app uses the location information of the smartphone/tablet computer and the Bluetooth function. Enable each function to use the app.

**Before using the app**

Please ensure that you fully understand the following before using the app.

- For use of this app, read the license and privacy policy stated in the app.
- This app uses the location information of the smartphone/tablet computer and the Bluetooth function. Enable each function to use the app.

**Log in to the sensor**

The default password is 0000.

The user setting screen is displayed when the app is launched for the first time. Entering the information is optional. Once the setting has been completed, a device list screen will be displayed. The user information can be edited at any time.

**NOTE**

To easily obtain and enter the address, enable the location information function of the smartphone/tablet computer.

**CAUTION**

Risk of getting caught

Do not operate the sensor using the default password. If you do, unspecified users may change the settings and the safety of the sensor may not be secured.