



OVS-02GT(BL)EN

Quick reference guide

MANUAL

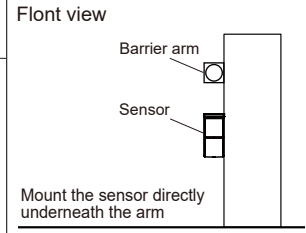
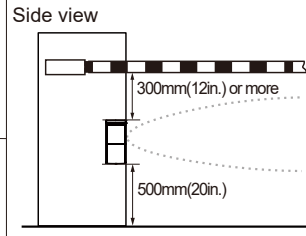
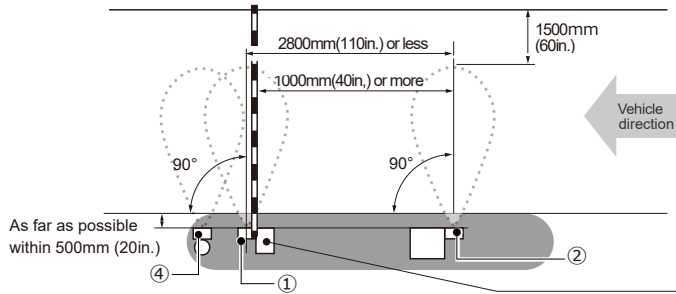


1. Install the sensors with the layout shown below.

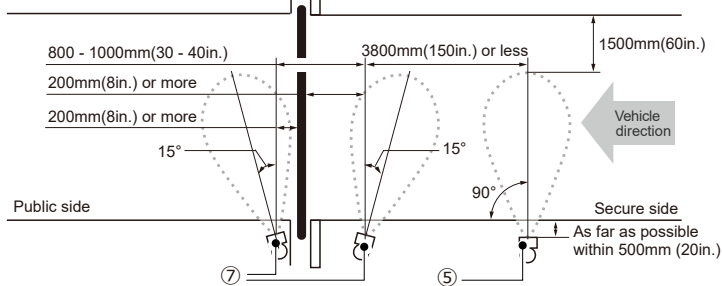
Application list

- | | |
|---|---------------------------------|
| ① Barrier - Safety 90deg | ⑧ Swing gate - Activation 90deg |
| ② Barrier - Activation 90deg | ⑨ Swing gate - Activation 45deg |
| ③ Barrier - Activation 45deg (Free exit only) | ⑩ Swing gate - Protection 90deg |
| ④ Barrier - Protection 90deg | ⑪ Swing gate - Shadow 90deg |
| ⑤ Slide gate - Activation 90deg | ⑫ Swing gate - Shadow 45deg |
| ⑥ Slide gate - Activation 45deg | ⑬ Car warning 30deg |
| ⑦ Slide gate - Protection 90deg | |

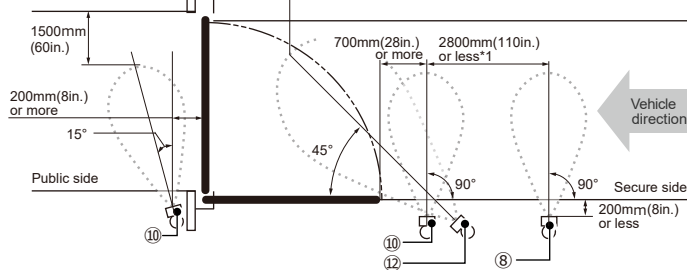
Barrier



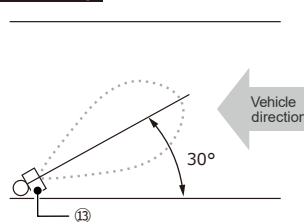
Slide gate



Swing gate

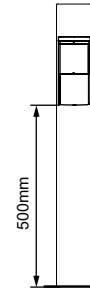


Car warning



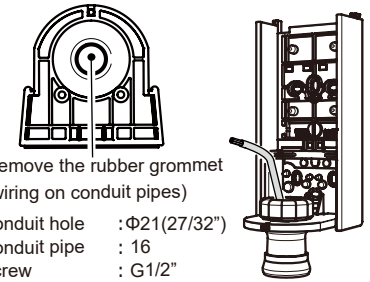
2. Installation and wiring

[1] Drill holes to install the unit with pattern paper.
Wiring holes are not required when using a conduit pipe.

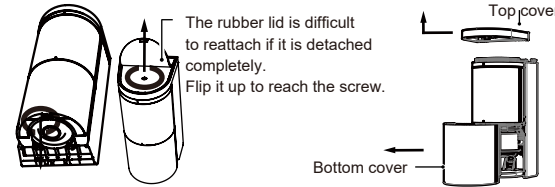


[2] Run wires out from the pole before securing the sensor housing.

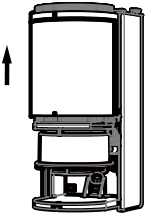
When using a conduit pipe



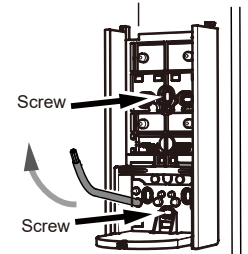
[3] Loosen the screws on the top and bottom covers, and remove the covers.
* Do not loosen the screws completely. The screws may fall out.



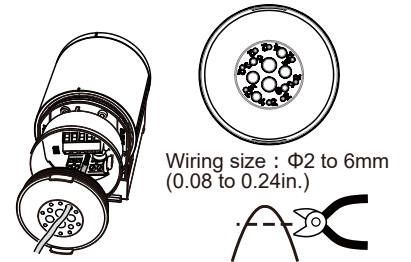
[4] Detach the sensor unit by lifting it.



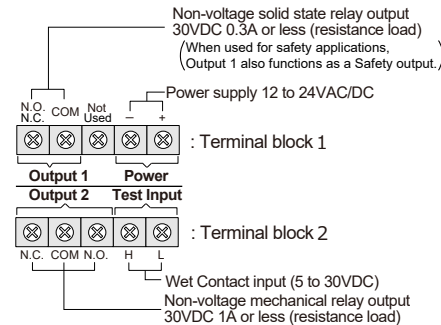
[5] Fix the sensor housing with two screws.



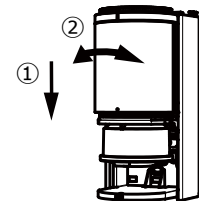
[6] Cut the terminal cover with scissors and make a hole according to the wire diameter. (Select the smallest from among similar sizes.)



[7] Run wires.



[8] Install the sensor unit into the sensor housing.
Rotate the sensor unit to adjust its angle (adjustable angle: 96° to left and right).



3. Set by smartphone App. Follow the procedure to set up and to perform calibration.



• After changing settings, be sure to tap the Send Icon to send the settings to the sensor.

Calibration

- Memorizes the background of the detection area when no pedestrians or vehicles are present.
- It makes the sensors performance higher and more stable.

Download the smartphone App from the 2D code or search it with words **"OPTEX Virtual Loop"** at AppStore or GooglePlay.

GooglePlay



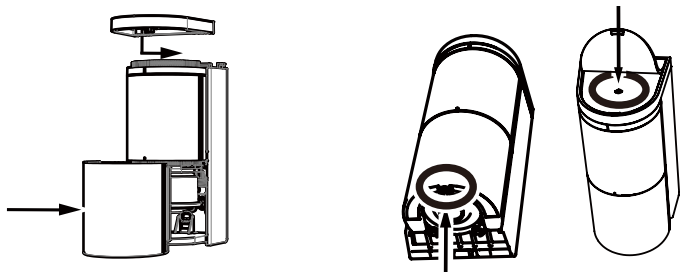
AppStore



Please use the latest Version of App
(Version 1.2.0 or later)

4. For the operation check, use a vehicle to check the entire operation of the system.

5. Attach the top and bottom covers and Tighten the screws on the top and bottom covers.



Conformity

The OVS-02GT(BL)EN can be used as a D-device (Safeguarding level D) in accordance with EN 12453 (also called supplementary device). The use of a supplementary device on its own cannot guarantee compliance with the requirements of EN 12453, it shall be used in conjunction with a system to limit the forces of the barrier (C-device in accordance with EN 12453).

For safety installation, make sure that the test input of the OVS-02GT(BL)EN is connected, and that it is tested before every movement of the barrier. If the test input is not used, the proper functioning of the OVS-02GT(BL)EN shall be checked at intervals not greater than 6 months.

The function of the OVS-02GT(BL)EN (D-device) is checked by detecting a human body within the limits of the set detection area. Checking the area with test piece A specified in the EN 12453 standard is not suitable due to the current lack of technical specifications for the test object for the measuring principle of a radar sensor. In this case, it is possible that test piece A will be scanned and not detected, even though the radar sensor reliably detects the presence of a real person at all times.

