

# DUAL ZONE OUTDOOR PIR

OMS-12FE

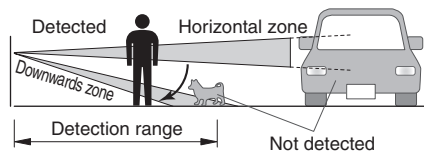
(Dual Zone : Detection Area up to 180 degree) CE 



**DUAL ZONE system reduces false alarms, making outdoor use more reliable !**

## DUAL ZONE system

This sensor is equipped with a DUAL ZONE system which initiates an alarm only when detection occurs in both the horizontal and downward zones simultaneously. This prevents false alarms from distant automobiles or from small animals.



## 180 degree wide angle coverage

180 degree coverage detection is possible.

90 degree zone either to the left or right can be disabled.

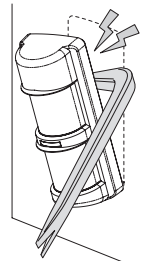
## Rain Proof Housing IP54

Rain-proof structure facilitates outdoor installation.

Various mounting position such as wall and pole can be chosen.

## Back Tamper

Use of the provided back tamper rubber enables detection of interference with the sensor, such as attempts to remove it from the mounting surface.



## Sensitivity adjustment

Sensitivity can be adjusted between 30% and 170%.

## Various Applications

Residential area. Construction Sites. Retail shop Material yard etc.

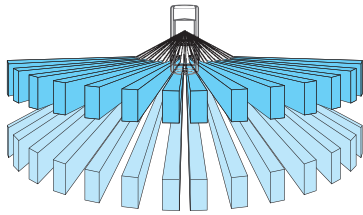
## RoHS certified compliant



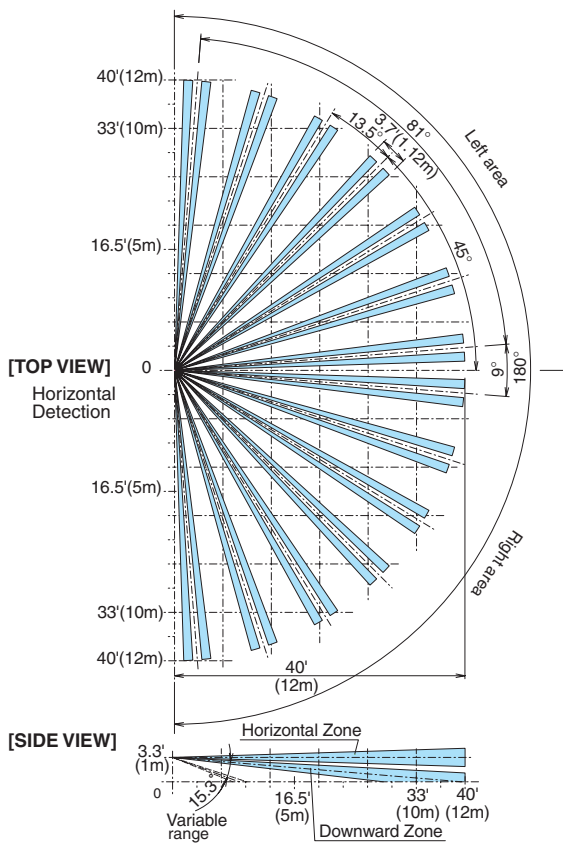
Environment friendly. Free from Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyl, Polybrominated diphenyl ether.

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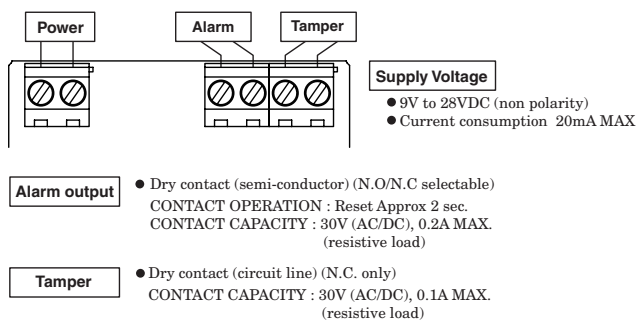
## ■ COVERAGE PATTERN



## ■ DETECTION AREA



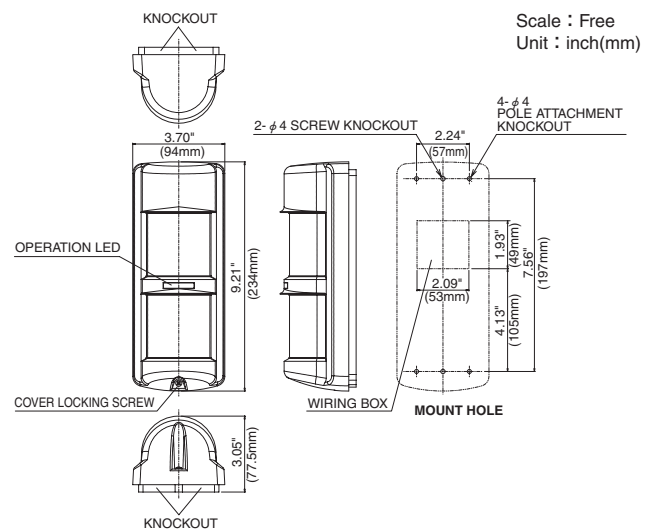
## ■ TERMINAL CONFIGURATION



## ■ SPECIFICATIONS

|                          |                                                                                                                                                                |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                    | OMS-12FE                                                                                                                                                       |
| Detection system         | Passive infrared                                                                                                                                               |
| Coverage                 | When horizontal detection<br>Angle : 180°<br>Detection distance : 40' (12m)<br>Horizontal zone : 14zones<br>Downward zone : 14zones                            |
| Coverage adjustment      | Horizontal : L/R 90° (selectable)<br>Detection distance : 10'~40' (3m~12m)<br>(By adjusting vertical angle of downward curtain)                                |
| Supply voltage           | 9 to 28V DC (non-polarity)                                                                                                                                     |
| Current consumption      | 20mA MAX.                                                                                                                                                      |
| Alarm output             | Dry contact relay output N.C./N.O. selectable<br>* Contact capacity : 30V (AC/DC), 0.2A MAX.<br>(Resistive load)<br>* Contact operation : Detection time(2sec) |
| Tamper output            | Dry contact relay output N.C.<br>* Contact capacity : 30V (AC/DC), 0.1A MAX.<br>(Resistive load)                                                               |
| Operation LED            | Red LED<br>Blinking When Initialising<br>Lighting at alarm (option to disable)                                                                                 |
| Counts selectable switch | 1/2/3/4 times (with a switch)                                                                                                                                  |
| Sensitivity adjustment   | * Approx. 30% -Approx. 170% (By Potentiometer)                                                                                                                 |
| Connection               | Terminals                                                                                                                                                      |
| Ambient temperature      | -4°F to + 122°F (-20°C to + 50°C)                                                                                                                              |
| Mounting position        | Indoor / Outdoor                                                                                                                                               |
| Ingress protection       | IP 54 (Wall Mount)                                                                                                                                             |
| Weight                   | 16.5oz (470g)                                                                                                                                                  |
| Appearance               | Body : AES resin Lens : PE resin                                                                                                                               |
| Optional                 | Pole attachment : BP-32                                                                                                                                        |

## ■ EXTERNAL DIMENSIONS



## ■ OPTIONAL

- Pole attachment  
(BP-32)



**Please note :** This sensor is designed to detect intrusion and to initiate an alarm; it is not a burglary or a crime preventing device. TAKEX is not responsible for damage, injury or losses caused by accident, theft, Acts of God (including inductive surge by lightning), abuse, misuse, abnormal usage, faulty installation or improper maintenance.

# TAKEX