

DUAL ZONE OUTDOOR PIR

MS-12TE

(Dual Zone : Variable Angle up to 90 degrees)



MS-12FE

(2 Dual Zones : Variable Angle up to 180 degrees)



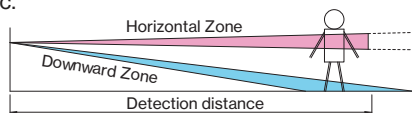
with optional white lens fitted

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 horizontal and downward zones simultaneously.

No alarm signal is given if only one zone is activated by small animals, vehicles etc.



180 degree wide angle coverage (Only applicable to MS-12FE)

180 degree coverage detection is possible by using both upper and lower sensors in "OR" detection mode.

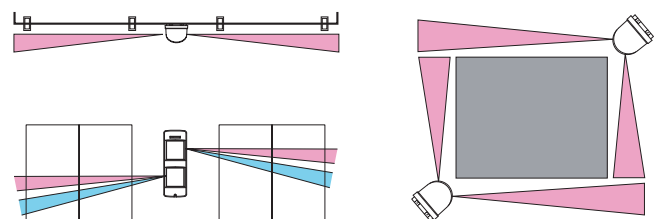
Rain Proof Housing

Rain-proof structure facilitates outdoor installation. Various mounting position such as wall and pole can be chosen.

Various detection patterns

Perimeter, window or wall detection can be made by adjusting detection zone with area masking sheet.

MS-12FE equipped with two sensors can cover two perimeters or windows by itself.



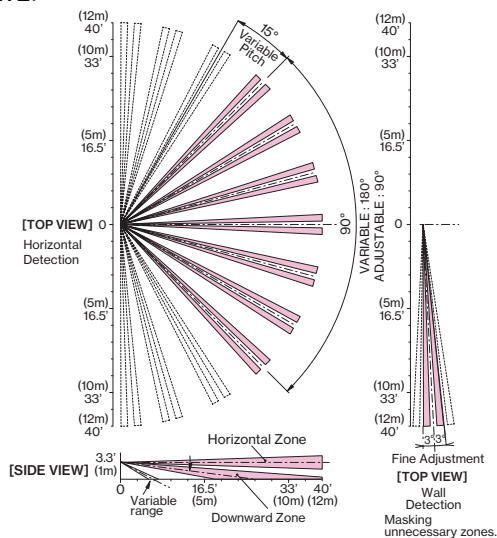
Sensitivity adjustment

Sensitivity can be adjusted between 30% and 170%.

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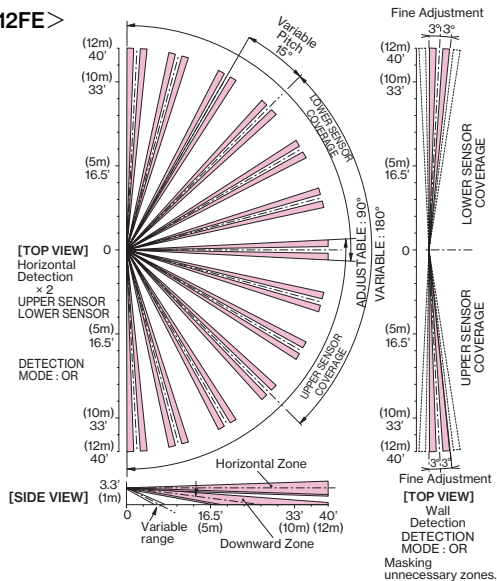
DETECTION AREA

<MS-12TE>



Detection distance is set by adjusting the angle of downward zone.
Adjustable range 6.6' (2m) to 40' (12m). [10 ranges]

<MS-12FE>

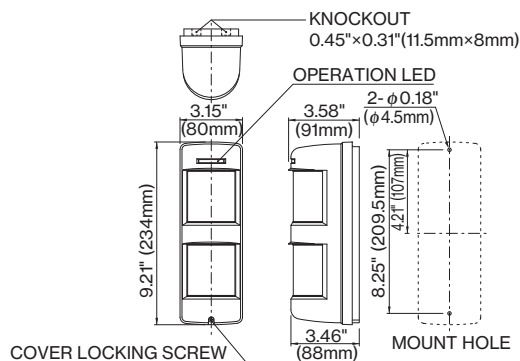


Detection distance is set by adjusting the angle of downward zone.
Adjustable range 6.6' (2m) to 40' (12m). [10 ranges]

SPECIFICATIONS

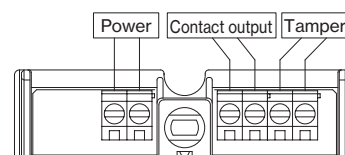
| Model | MS-12TE | MS-12FE |
|------------------------|--|---|
| Detection system | Passive infrared | |
| Coverage | When horizontal detection Angle : 90° Detection distance : 40' (12m) Horizontal zone : 7 zones Downward zone : 7 zones | 2sets of MS-12TE sensor |
| Coverage adjustment | Horizontal : ±90° Detection distance : 6.6' to 40' (2 to 12m) (By adjusting vertical angle of downward zone) | |
| Supply voltage | 12 to 28V DC (non-polarity) | |
| Current consumption | 35mA MAX. | 40mA MAX. |
| Alarm output | Dry contact relay output N.C./N.O. selectable Contact capacity : 30V (AC · DC), 0.25A MAX. (Resistive load) Contact operation : Detection time + off delay(2sec) | |
| Tamper output | Dry contact relay output N.C. Contact capacity : 30V (AC/DC), 0.1A MAX. (Resistive load) | |
| Operation LED | Red LED Blinking at warming up (LED disabled) Lighting at alarm (LED disabled) | |
| Pulse count settings | once / three times (with a switch) | |
| Sensitivity adjustment | Approx. 30% (L) - Approx. 170% (H) (By potentiometer) | |
| Detection mode | AND / OR selectable | |
| Connection | Terminals | |
| Ambient temperature | -4°F to +122°F (-20°C to +50°C) | |
| Mounting position | Indoor / Outdoor | |
| Weight | 13.7oz (390g) | 16.5oz (470g) |
| Appearance | Body : AES resin/Lens : PE resin | |
| Accessory | Tapping screw : 2 Area masking sheet : 1 | Tapping screw : 2 Area masking sheet : 2 |

EXTERNAL DIMENSIONS



TERMINAL CONFIGURATION

- 12V to 30VDC (Non Polarity)
- Power consumption
35mA MAX (MS-12TE)
40mA MAX (MS-12FE)



OPTIONAL

- Wall mount attachment <BW-24>
- Pole attachment <BP-22>
- White lens

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

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