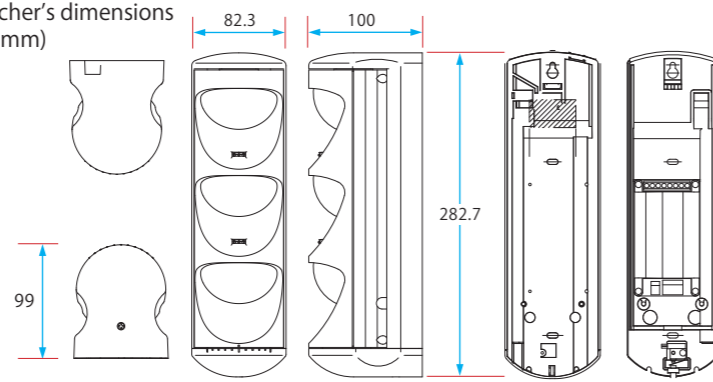


TriWatcher

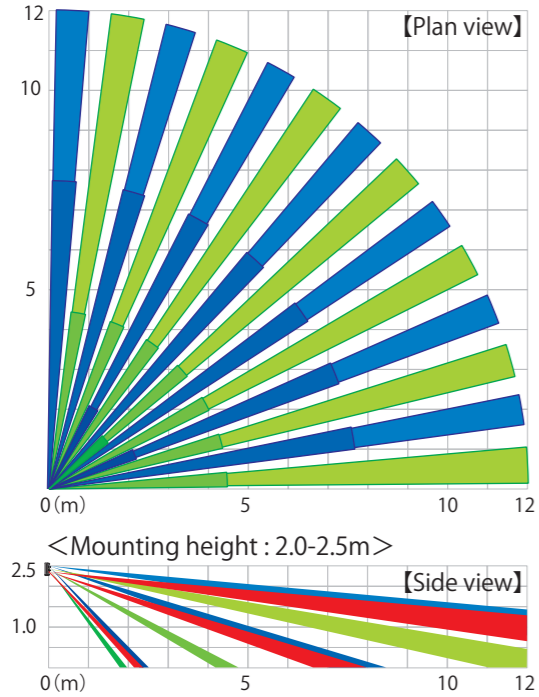
Intelligent Outdoor Detector SIR10



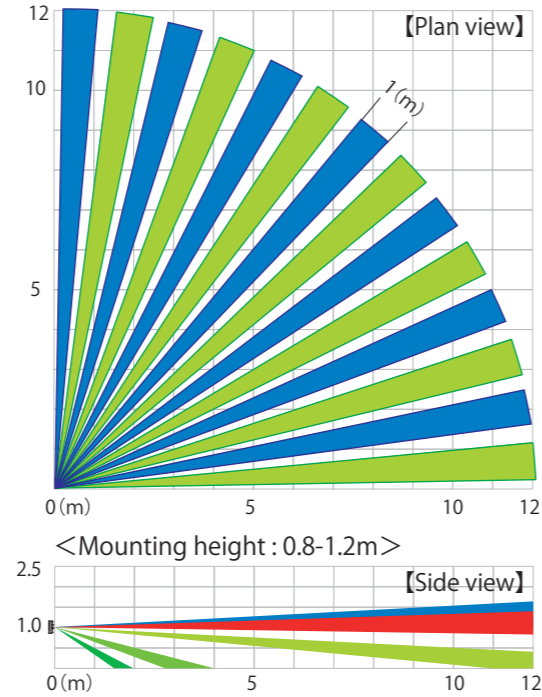
■TriWatcher's dimensions (unit : mm)



■Detection area of wide angle coverage



■Detection area of pet alley coverage



| Description | | INTELLIGENT OUTDOOR DETECTOR | |
|---------------------------|--|--------------------------------------|--|
| Model | SIR10 | | |
| Input voltage | 9-28VDC (non-polar) | | |
| Current draw | 30mA (max.) | | |
| Operating temp./humid. | -25~+50°C RH95% or less | | |
| Storage temp./humid. | -30~+60°C RH95% or less | | |
| Coverage patterns | Wide angle | Pet alley | |
| | (selectable by sliding PCB) | | |
| Detection area | 12m, 84°(mounting height : 2.0-2.5m) | 12m, 84°(mounting height : 0.8-1.2m) | |
| Detection zones (sectors) | 47 pairs (94 sectors) | 29 pairs (54 sectors) | |
| Detection method | Passive infrared method | | |
| LED indicators | Power-on and Warm-up | LED (red) | Flashes (1/sec.) |
| | Alarm | LED (red) | Lights up (lights off setting available) |
| | Self-diagnosis | LED (red) | Flashes (1/sec.) |
| | Precaution | LED (red) | Flashes (once/2.5 sec.) |
| | Test mode | LED (red) | Lights up or flashes (depends on detection status) |
| Alarm output | Contact form 1c | Output period | One-shot (3-300 seconds : volume adjustment) |
| | | Rated load | 30VDC, 0.1A (resistance load) |
| | | Output resistance when closed | 3.0Ω or less |
| Tamper output | Contact form 1b | Output period | Open while lower cover is open |
| | | Rated load | 30VDC, 0.1A (resistance load) |
| | | Output resistance when closed | 3.0Ω or less |
| Sensitivity adjustment | 50-150% (volume adjustment) | | |
| Detection mode | AND/OR (switch selection) | | |
| Pulse count | 1/2/3/4 pulses (switch selection) | | |
| Movable range | Horizontal direction: ±45°(at 9°intervals) | | |
| Installation | Indoor / Outdoor, on walls or poles | | |
| Weight | 800g | | |
| Color | White (DIC G-21) | | |

●The product of this catalog is not a burglar-preventing device. Each user is requested to make effective use of this product under each user's sufficient control. ATSUMI shall not be liable for damages caused by thefts, etc.
 ●The actual color of this product may be slightly different from this catalog's printed image.●Due to ongoing product improvements, specifications and designs are subjected to change without prior notice.

<http://www.atsumi.co.jp>

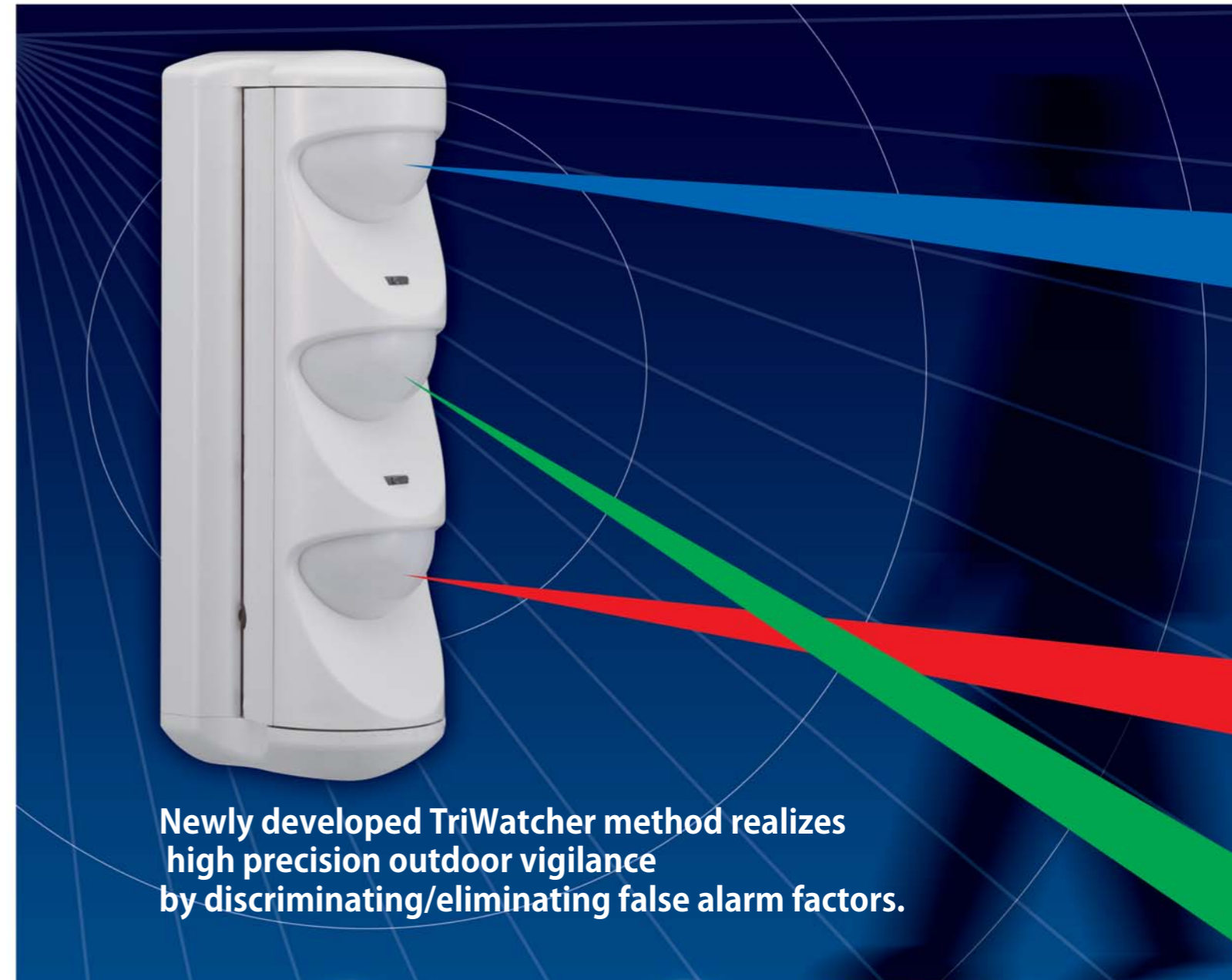
ATSUMI ATSUMI ELECTRIC CO.,LTD

4-2-2 Shin-Miyakoda Kita-Ku Hamamatsu-City, Shizuoka, Japan 431-2103
 TEL:+81-53-428-4116 FAX:+81-53-428-4119 E-Mail:international@atsumi.co.jp

TriWatcher

Intelligent Outdoor Detector SIR10

Advanced detector that expands the possibility of outdoor security



Newly developed TriWatcher method realizes high precision outdoor vigilance by discriminating/eliminating false alarm factors.

TriWatcher method discriminates false alarm factors

Eliminates false alarm factors

Realizes high precision outdoor vigilance

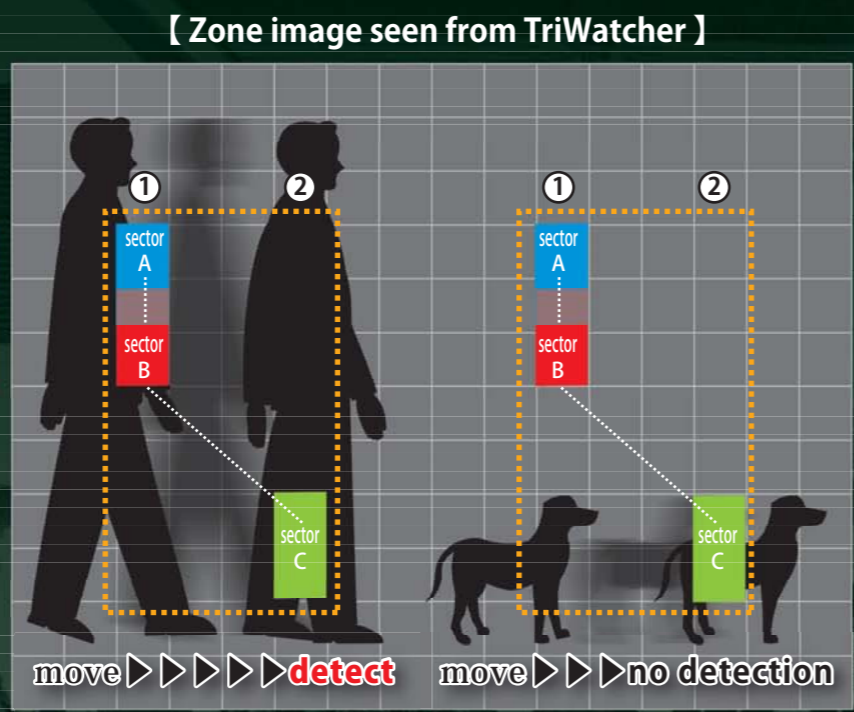
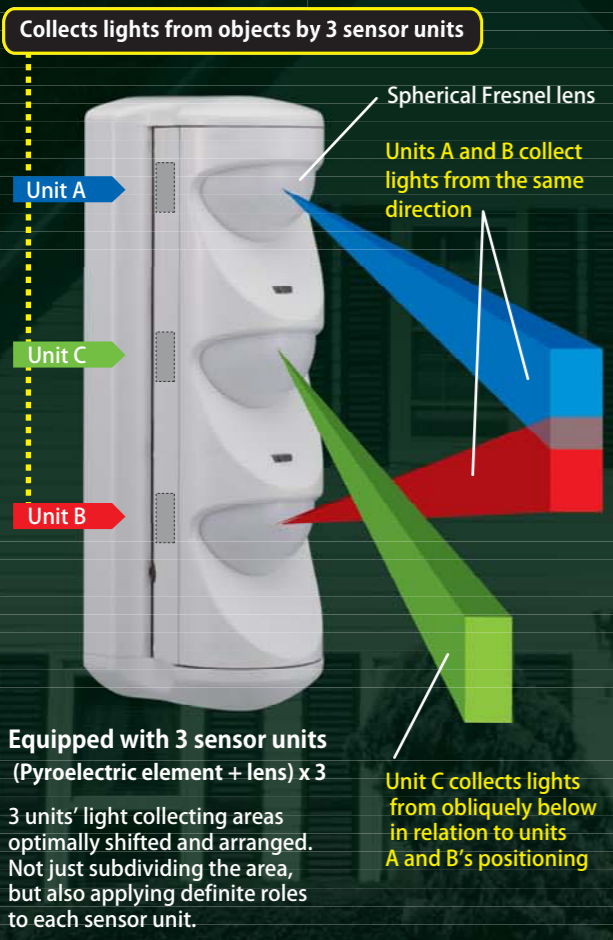
ATSUMI

TriWatcher method discriminates false alarm factors

What is TriWatcher method that discriminates false alarm factors?

Our own unique zone formation of 3 sensor units

Processes signals from 3 sensor units by our own unique algorithm



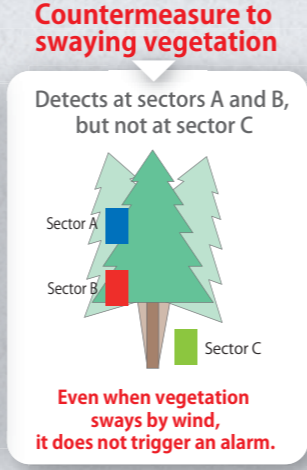
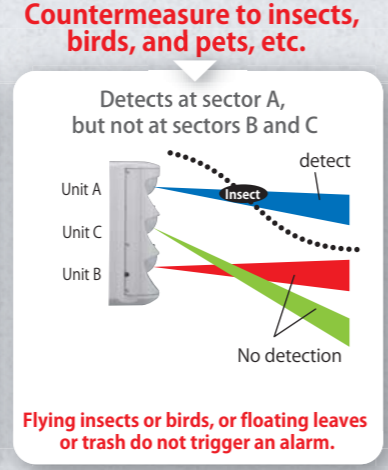
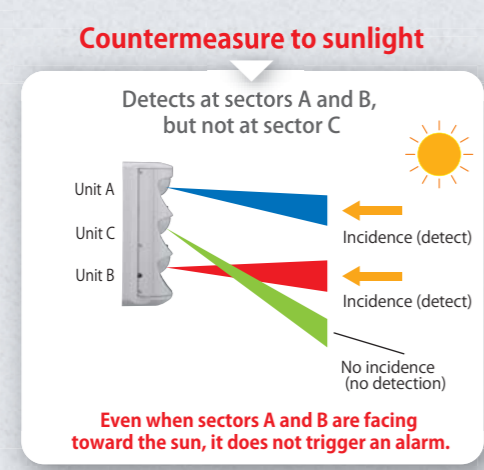
TriWatcher method

① AND detection at both sector A and B
+
② Detection at sector C
||
Triggers an alarm only when a human size object moves across a certain distance

TriWatcher method : Patent pending

Eliminates false alarm factors

Countermeasures to false alarms by TriWatcher method

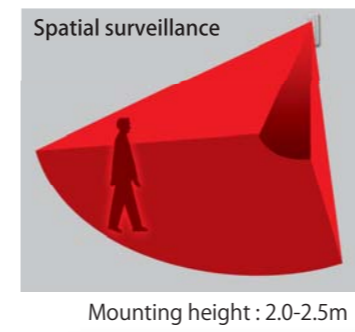


Realizes high precision outdoor vigilance

TriWatcher method realizes high precision outdoor vigilance with pyro sensors.

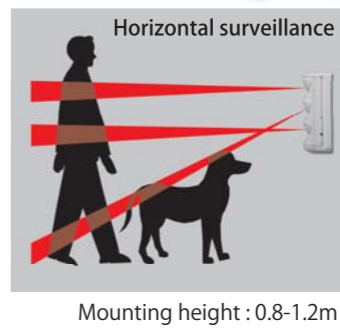


Selectable from 2 kinds of coverage patterns



Wide angle

With wide angle, the unit is installed at a high place (2.0 - 2.5m), which allows multipurpose application. In addition, installing at a high place prevents vandalism.



Pet alley

With pet alley, the unit does not detect movements of objects that are lower than the height installed. It is ideal for residences that keep big pets in the garden.

Features of TriWatcher

Unwanted external-light-proof performance

By adopting a special visible-light cut filter, the unit considerably blocks external lights such as sunlight or car headlights, etc.

Equipped with newly designed spherical Fresnel lens

Adopting spherical Fresnel lens has made an improvement on the unit's non-detect performance of small objects such as small animals, etc. Also, use of polyethylene for its material effectively prevents things from sticking on its surface, such as snow, frost, or even bird or insect droppings, thus enabling to maintain its high precision performance.



2 LED indicators that provide easy operation check, and also warning effects

Equipped with 2 LEDs on the front of the body unit. When detection occurs, the LEDs will light up, thus producing deterrence effects against intruders. In walk test mode, you can confirm by the LED indicators whether or not detection is taking place.



Connecting with flash sirens and/or cameras

Output period is adjustable within the range of 3 to 300 seconds. By combining with other devices, firm security system can be built.

Robust housing resistant to outdoor environment

With adoption of weather-resistant grade plastic and ingress protection structure (IP55), you can rest assured for outdoor installation.

Variety of installation choices

As it presents no concern about interference between transmitter and receiver as in beam detectors or microwave detectors, the unit can be installed as many as required, in the proximity of one another and even facing each other. With the use of optional pole mount kit (PMK-1), the unit can be installed where no walls to mount on.

