

# TriWatcher

## Outdoor PIR detector

SIR10S : Intelligent Outdoor Detector

SIR10SA : With Anti - Masking

**Triwatcher method discriminates false alarm factors.**

### Features

- Passive Infrared Red Detector
- Combination of 3 PIR Sensor
- Processes signals from 3 sensor unit

### Function

- ◆ Anti-Masking Detection
- ◆ Unwanted external - light - proof performance
- ◆ Equipped with newly designed spherical Fresnel
- ◆ 2 LED indicators
- ◆ Robust housing resistant
- ◆ Variety of installation choices
- ◆ Optional Accessories



### Certifications and Approvals

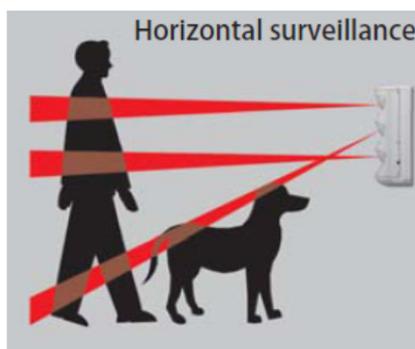
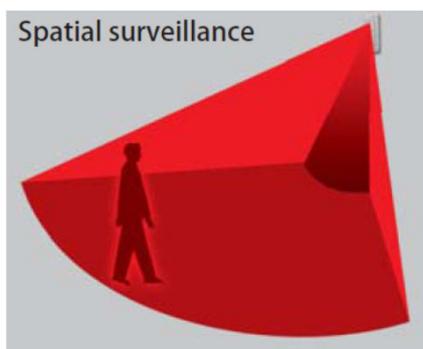
Europe : CE : EN61000-6-3:2007 +A1:2011 , EN50130-4:2011

## SPECIFICATIONS

Model		SIR10S	SIR10SA
Input voltage		9-28VDC	
Current draw		30mA(Max)	35mA(Max)
Operating temp./humid.		-25~+50°C RH95% or less	
Storage temp./humid.		-30~+60°C RH95% or less	
Wide angle Detection area , zones		12m , 84° (mounting height 2.0~3.0m), 47 pairs(94 sectors)	
Pet alley Detection area , zones		12m , 84° (mounting height 0.8~1.2m), 29 pairs(54 sectors)	
Detection method		Passive infrared method	
LED indicators	Self-diagnosis	LED(red) Flashes(1/sec)	
	Power-on&warming-up	LED(red) Flashes(1/sec)	
	Alarm	LED(red) Light up(light off setting available)	
	Anti-masking	LED(red) Flashes(5/sec)	
	Precaution	LED(red) Flashes(1/2.5 sec)	
Alarm output	Contact form	1b	
	Output period	One-shot 3 sec.	
	Rated load	30VDC, 0.1A (resistance load)	
	Output resistance	3.0 Ω or less	

Model		SIR10S	SIR10SA
Tamper output	Contact form	1b	
	Output period	Open while the lower cover opens	
	Rated load	30VDC, 0.1A (resistance load)	
	Output resistance	3.0 Ω or less	
Anti-Masking output	Contact form	1b	
	Output period	N/A	Open while the masking is performed.
	Rated load	N/A	30VDC, 0.1A (resistance load)
	Output resistance	N/A	3.0 Ω or less
Sensitivity		50 - 150% selectable	
Detection mode		AND	
Pulse count		1/2/3/4 pulses selectable	
Optical adjustment		Horizontal direction : ±45°	
Installation		Indoor / outdoor , on wall or pole	
IP rate		IP55	
Weight		800g	
Color		White (DIC G-21)	

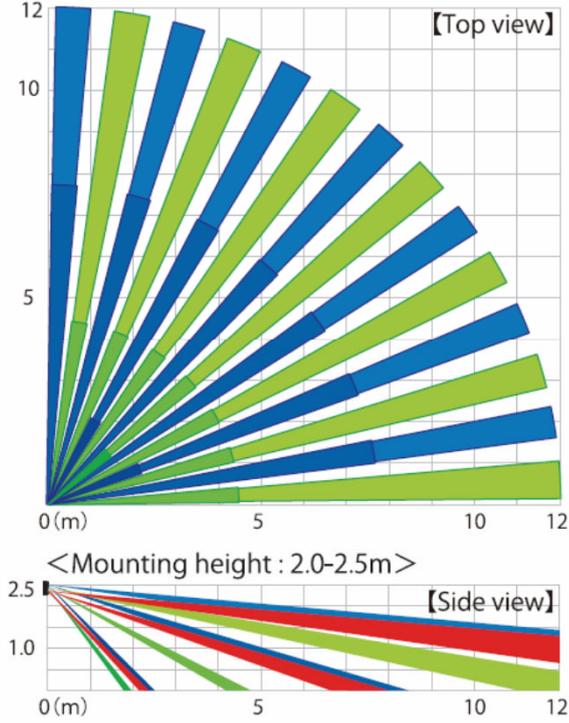
■ Detection area of wide angle coverage ■ Detection area of pet alley coverage



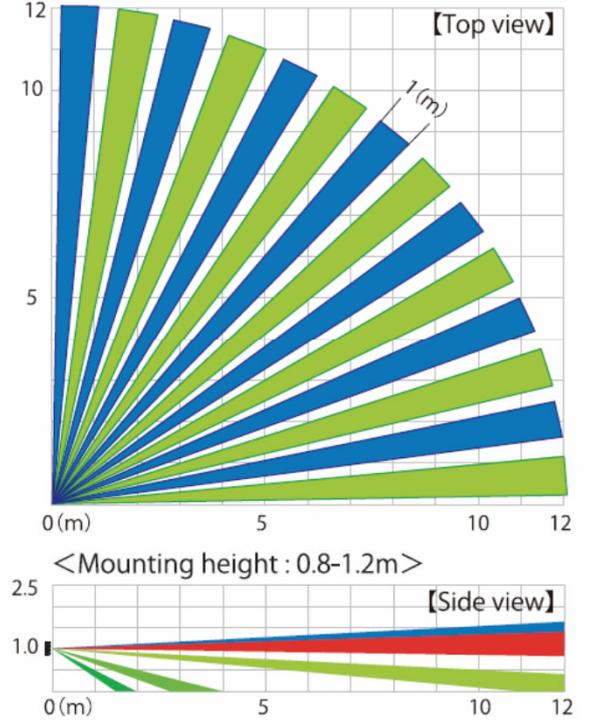
<Mounting height : 2.0 - 2.5m>

<Mounting height : 0.8 - 1.2m>

■ Detection area of wide angle coverage



■ Detection area of pet alley coverage



■ TriWatcher's dimensions (unit : mm)

