

COMPACT
OUTDOOR
DETECTOR

fit
series



fit for ALL

not only for a garden but also for a balcony
not only for a wall side but also an area protection
not only for a daytime but also for a nighttime



*Introducing No.1
OPTEX advantage.*





fit at home

amplification through simplification

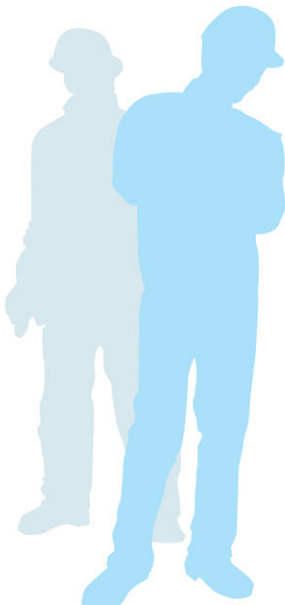


Compact design

Security is important but I don't want to disturb how my house looks. I like "fit".



Compact¹

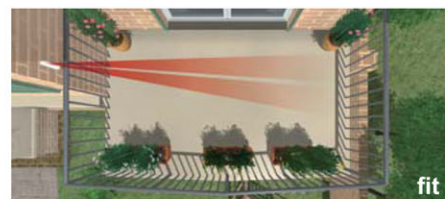


Flexibility

"fit" is the perfect option for a balcony with greens because its detection area is so flexible.



Flexibility¹

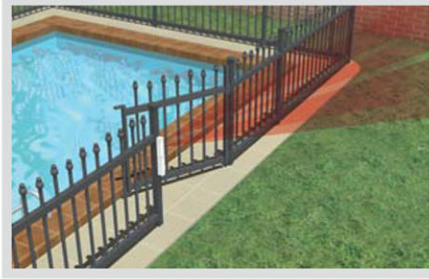


fit for ALL

fit at window



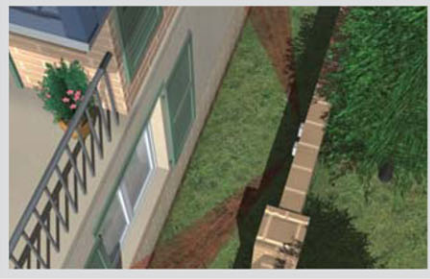
fit at poolside



fit at garage



fit at sidewalk



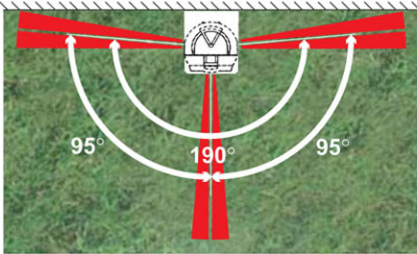
fit at balcony



fit at front entrance



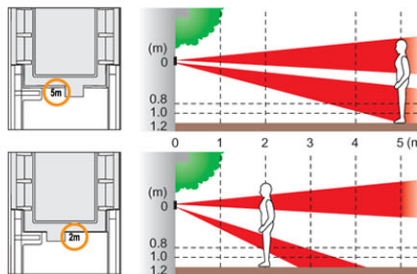
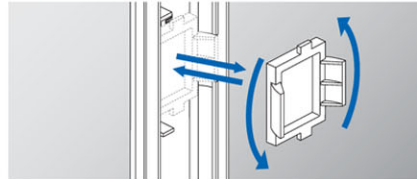
Built in bracket (190°)



Built-in bracket enables horizontal rotation of 190 degrees. Unwanted object can be avoided with ease.



5m/2m switchable lens



Changing the detection length is easy. Adjust the mounting height or simply turn the lens upside down.

SMDA Logic

SMDA(Super Multi Dimension Analysis) Logic brought the ultimate sensitivity optimization. Every motion is analyzed before signaling an alarm to reduce false and missed detections. Consequently environment reaction capability becomes 24 times more.

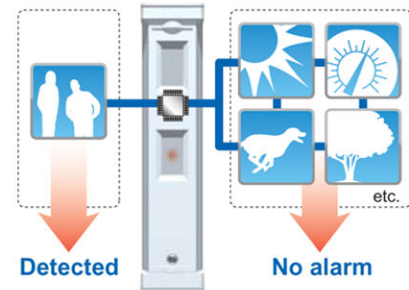
environmental capability



SMDA logic



Reliability^{®1}



Battery operated model

Model FTN-R/RAM

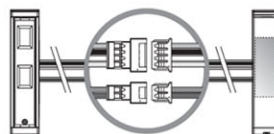
Save installation time and cost

FTN-R/RAM are battery operated model and therefore requires no complicated wiring. It saves installation time and cost.



Easy connection

FTN-R/RAM can be connected to the transmitter with connectors. It makes installation and battery replacement much easier and quicker.



Maximum transmitter size

H130 X W30 X D35mm
(H5.12" X W1.18 X 1.38)

Multi fixing separate box

Stacking method



Side-by-side method



Top-to-bottom method

*1. According to our survey on March, 2010.

FTN-ST/AM

- Digital Anti-masking (AM only)
- 5m/2m narrow range
- 190° horizontal flexibility
- Perfect pet immunity
- Super Multi Dimension Analysis Logic
- Double conductive shielding
- Intelligent AND logic



FTN-R/RAM

- Complete battery operation
- Digital Anti-masking (RAM only)
- 5m/2m narrow range
- 190° horizontal flexibility
- Perfect pet immunity
- Super Multi Dimension Analysis Logic
- Double conductive shielding
- Intelligent AND logic



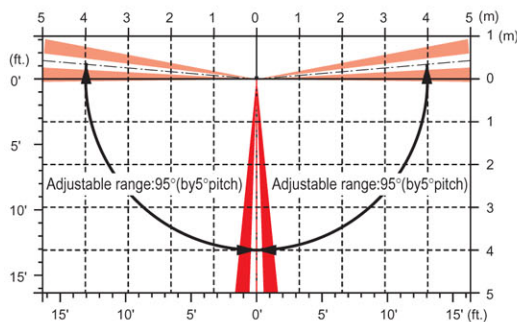
SPECIFICATIONS

Model	FTN-ST	FTN-AM	FTN-R	FTN-RAM
Detection method	Passive infrared			
PIR coverage	5×1m (16'5"×3'3")			
Detection length limit	2 m, 5 m (6'7", 16'5")			
Detectable speed	0.3 - 1.5 m/s (1' - 4'11"/s)			
Sensitivity	2.0°C (at 0.6 m/s) (3.6°F (at 2'/s))			
Operation voltage	9.5 - 18 V DC		2.5 - 10 V DC	
Power input			3 - 9 V DC (Lithium or Alkaline Battery)	
Current draw	17mA(max.) (at 12 V DC)	20mA(max.) (at 12 V DC)	9 μA (at stand-by) / 3mA(max.) (at 3 V DC)	10 μA (at stand-by) / 3mA(max.) (at 3 V DC)
Alarm period	2.0 ± 1.0 sec.			
Warm-up period	Approx. 60 sec. (LED blinks)		Approx. 120 sec. (LED blinks)	
Alarm output	N.C./N.O. Selectable 28 V DC 0.1 A (max.)		N.C./N.O. Selectable-Solid State Switch 10 V DC 0.01 A(max.)	
Trouble output	N.C. 28 V DC 0.1 A (max.), open when the cover is removed.		N.C./N.O. Selectable-Solid State Switch 10 V DC 0.01 A(max.)	
LED indicator	Light/Blink: Warm-up, alarm, masking detection (FTN-AM only)		Enable: During DIP switch 1 (WALK TEST MODE) or DIP switch 4 (LED) ON Disable: During normal operation Light/Blink: Warm-up, alarm, masking detection (FTN-RAM only)	
Operation temperature	-20 - +60°C (-4 - +140°F)			
Environment humidity	95% max.			
Weatherproof	IP55			
Mounting	Wall (Outdoor, Indoor)			
Mounting height	0.8 - 1.2 m (2'7" - 3'11")			
Weight	100 g (3.5 oz.)		190 g (6.7 oz.)	
Accessories	screw (3×20 mm)×2		Connector for POWER and ALARM, connector for TROUBLE, plate nut×2, screw (M3×10 mm)×2, screw (3×20 mm)×4, sponge for transmitter	

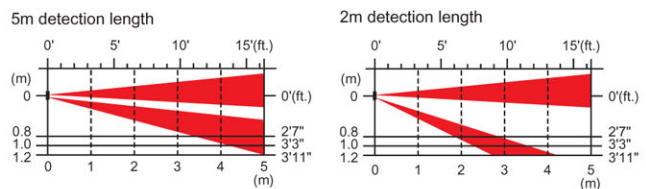
*Specifications and design are subject to change without prior notice.

COVERAGES

Top view



Side view

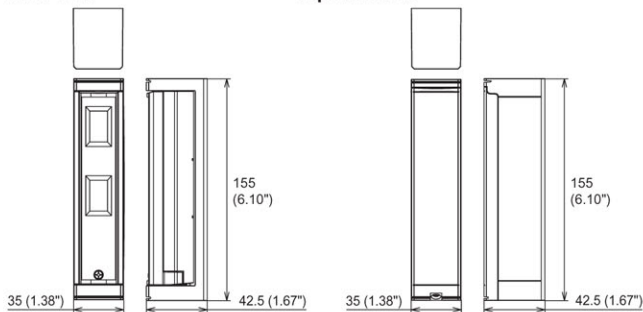


DIMENSIONS

Main unit

Separate box

Unit: mm (inch)



OPTIONS

Wall tamper (WRS-02)

for FTN-ST/AM



Wall tamper (WRS-03)

for FTN-R/RAM



OPTEX CO., LTD. (ISO 9001 Certified / ISO14001 Certified)

5-8-12 Ogoto, Otsu, Shiga, 520-0101 Japan

TEL +81(0)77 579 8670 FAX +81(0)77 579 8190

OPTEX INCORPORATED (USA)

<http://www.optex.co.jp/e/>

<http://www.optexamerica.com/>