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

WIRELESS

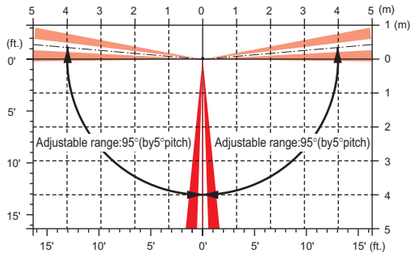
SPECIFICATIONS

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)	9μA(at stand-by) / 3mA(max.)(at 3 V DC)	10μA(at stand-by) / 3mA(max.)(at 3 V DC)
Alarm period	2.0 ±1.0sec.			
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.

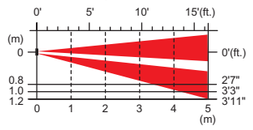
COVERAGES

Top view

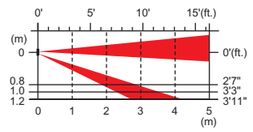


Side view

5m detection length



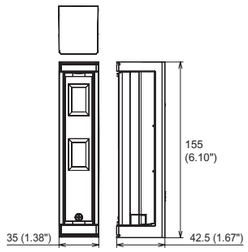
2m detection length



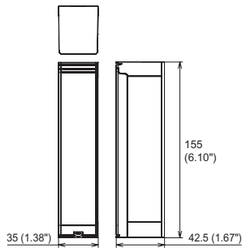
DIMENSIONS

Unit: mm (inch)

Main unit



Separate box



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

OPTEX INCORPORATED (USA)	http://www.optexamerica.com/
OPTEX (EUROPE) LTD. (UK)	http://www.optex-europe.com/ (ISO9001 Certified)
OPTEX SECURITY SAS (FRANCE)	http://www.optex-security.com/
OPTEX KOREA CO., LTD. (KOREA)	http://www.optexkorea.com/
OPTEX SECURITY Sp. z o.o. (POLAND)	http://www.optex.com.pl/
OPTEX (DONGGUAN) CO., LTD. Shenzhen office (CHINA)	http://www.optexchina.com/

No. 75119-00-15747-1002

OPTEX
Sensing Innovation

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

No.1
Introducing No.1 OPTEX advantage.

fit at home

amplification through simplification

Compact design

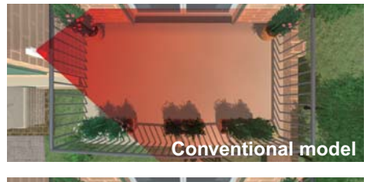
Security is important but I don't want to disturb how my house looks. I like "fit".

No.1 *Compact**1

Flexibility

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

No.1 *Flexibility**1



fit for ALL

fit at window

fit at poolside

fit at garage

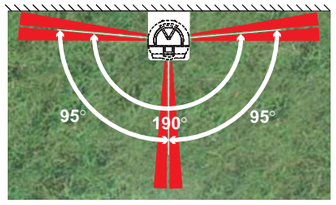
fit at sidewalk

fit at balcony

fit at front entrance

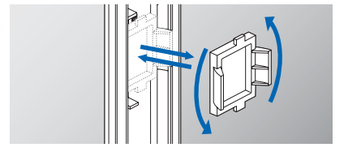
Product features

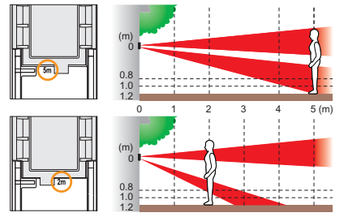
Built in bracket (190˚)



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.

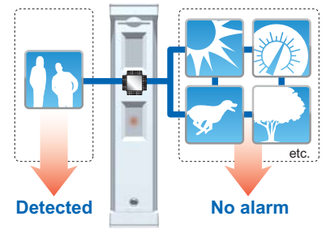
SMDA Logic

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

No.1 *Reliability**1



Battery operated model

Model
FTN-R/RAM

Save installation time and cost

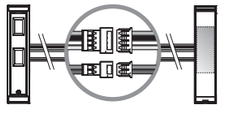
FTN-R/RAM are battery operated model and therefore requires no complicated wiring. It saves installation time and cost.

WIRELESS

No.1 *Performance**1

Easy connection

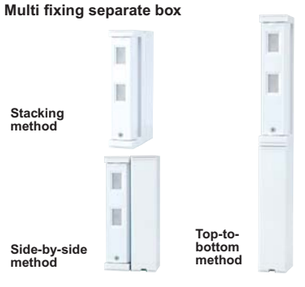
FTN-R/RAM can be connected to the transmitter with connectors. It makes installation and battery replacement much easier and quicker.



Maximum transmitter size

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

Multi fixing separate box



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