COMPACT OUTDOOR DETECTOR fit series

OPTEX
Sensing Innovation

fit for ALL

OPTEX
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COMPACT
OUTDOOR
DETECTOR

fit

series

amplification through simplification

OPTEX
Sensing Innovation

fit at home

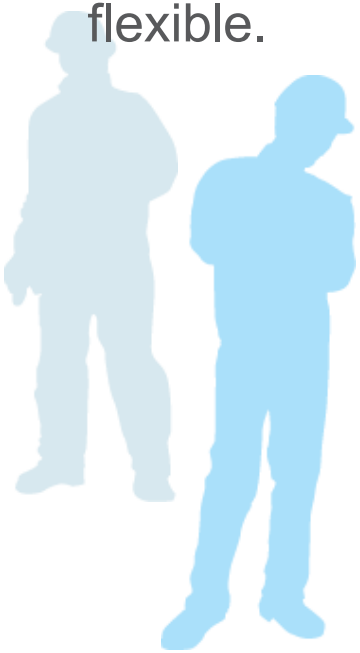
Compact design & Flexibility

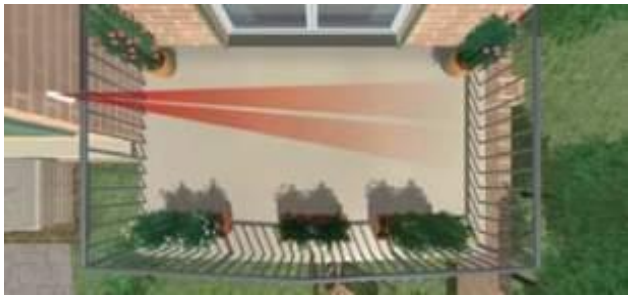
Compact design

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

Flexibility

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

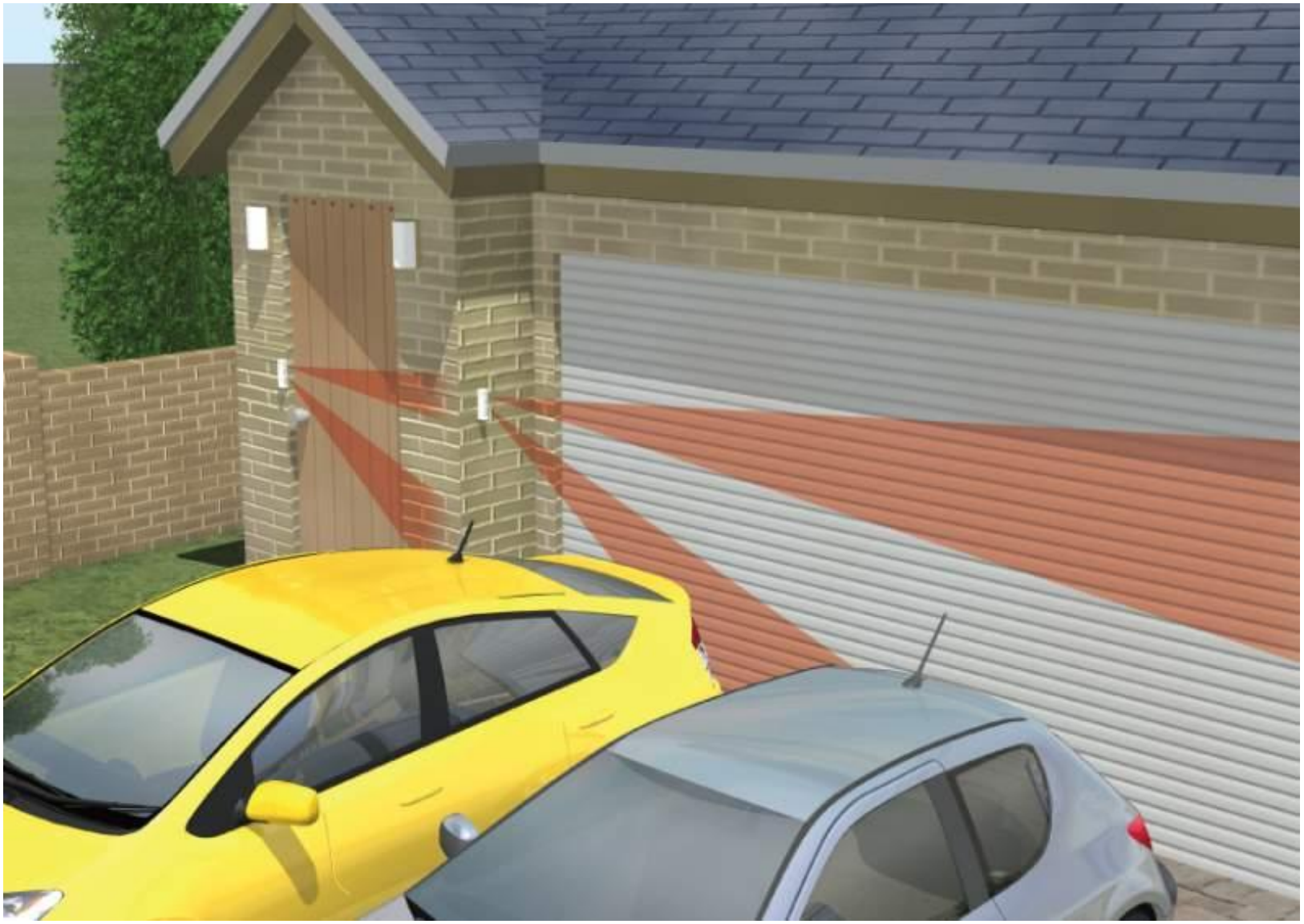




fit at window

fit at poolside

fit at garage



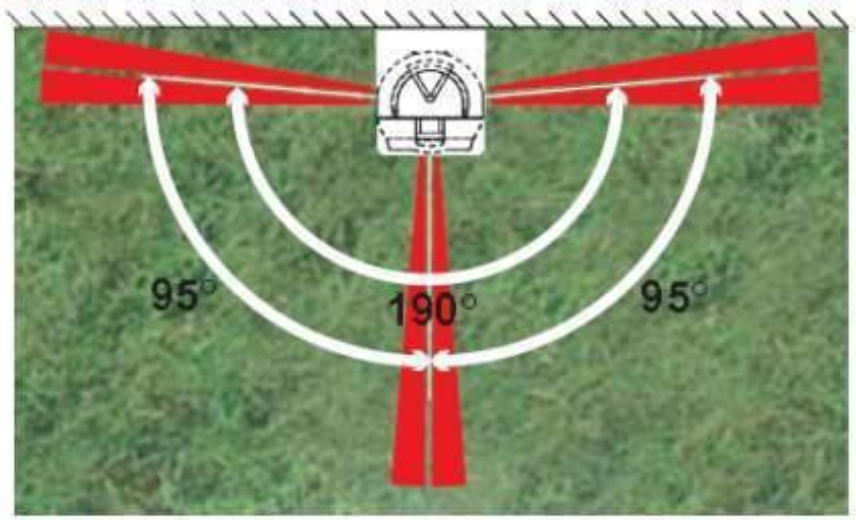
fit at sidewalk

fit at balcony

fit at front entrance

Product features

Built in bracket (190°)

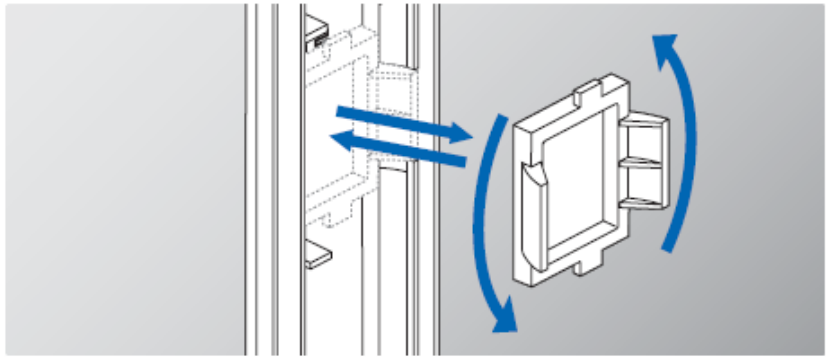


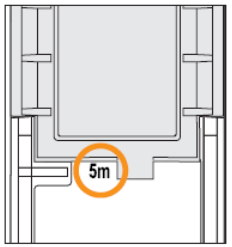
Built-in bracket enables horizontal alignment of 190 degrees.

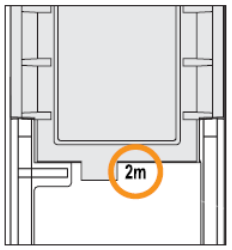
Unwanted object can be avoided with ease.

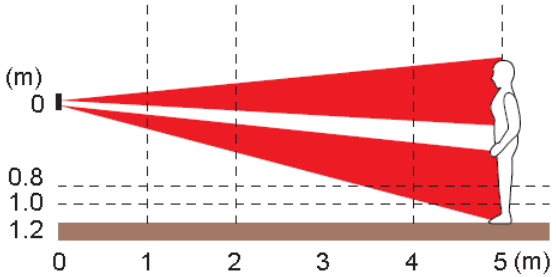
Product features

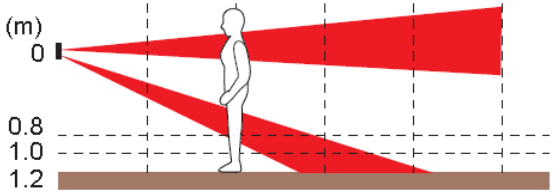
5m/2m switchable lens









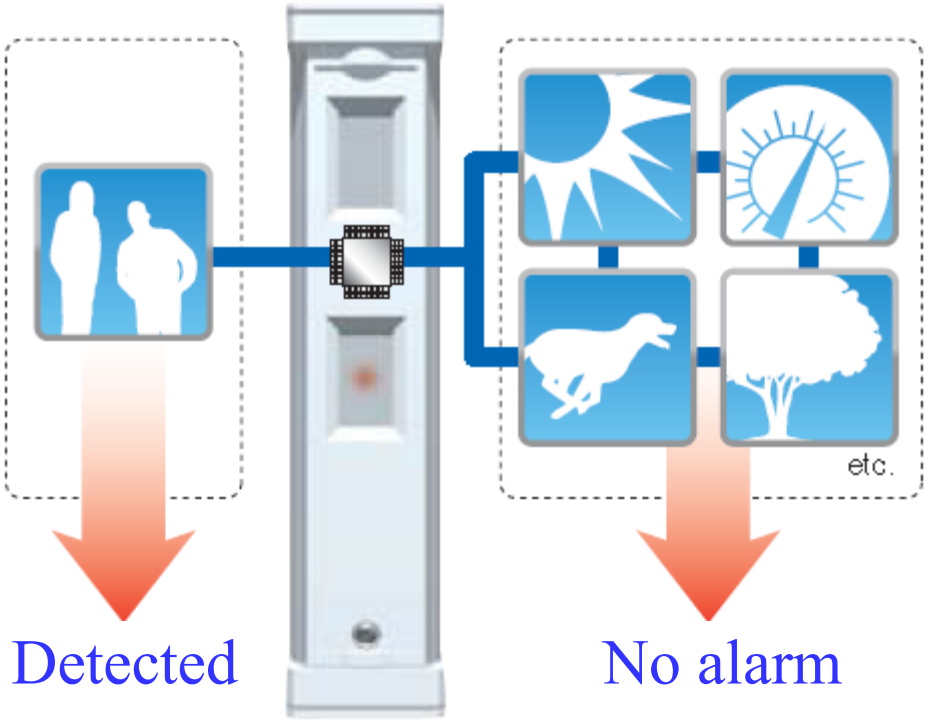


Changing the detection length is easy.

Adjust the mounting height or simply turn the lens upside down.

Product features

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.

Battery operated model

FTN-R/RAM

Save installation time and cost

FTN-R/RAM are battery operated model

and therefore requires no complicated wiring.

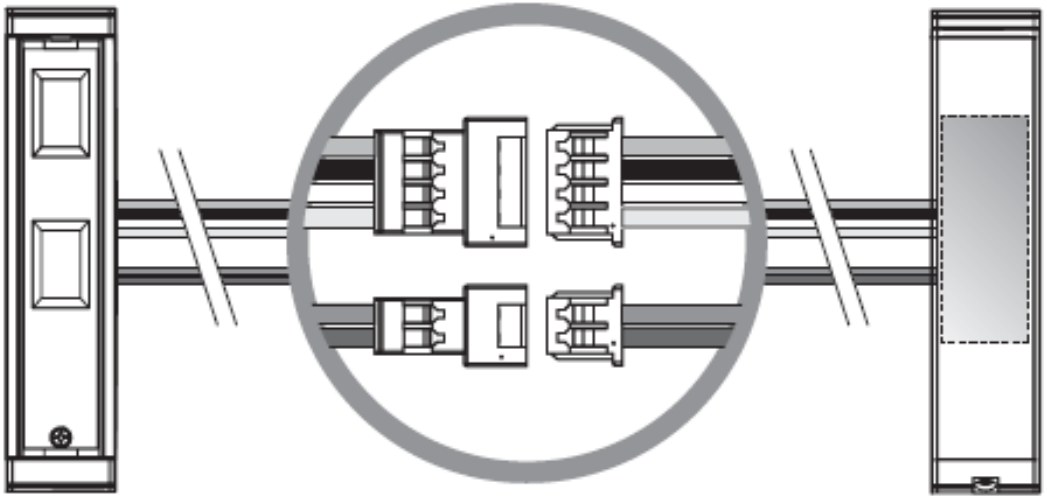
It saves installation time and cost.

Maximum transmitter size

H130 X W30 X D35mm

(H5.12" X W1.18 X 1.38)

Easy connection



FTN-R/RAM can be connected to the transmitter with connectors.

It makes installation and battery replacement much easier and quicker.

Battery operated model

Stacking model method

Top-to-bottom method

Side-by-side method

OPTION

Wall tamper (WRS-03)

for FTN-R/RAM

Wall tamper (WRS-02)

for FTN-ST/AM

Sensing Innovation

Model

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

WIRELESS

- 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

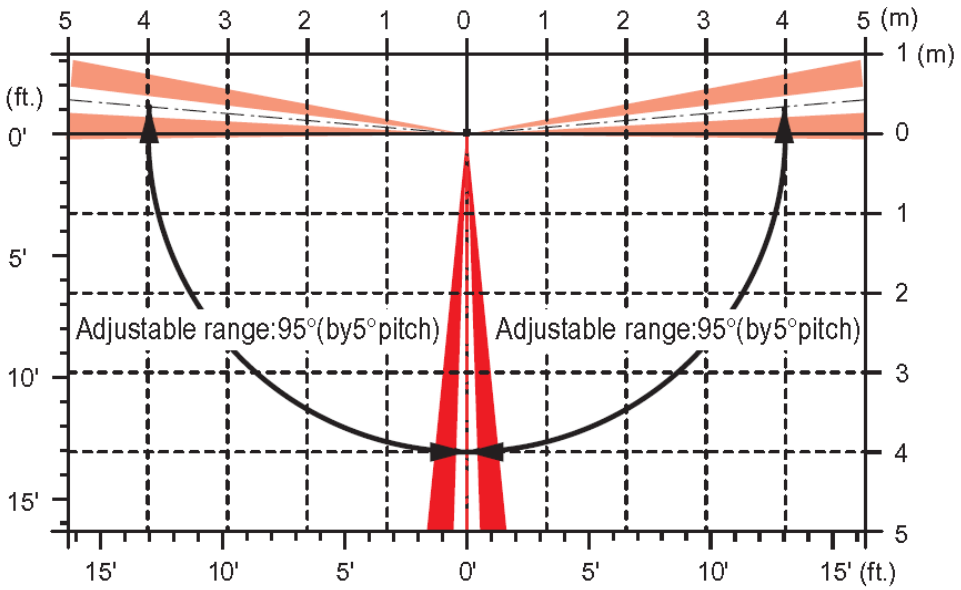
SPECIFICATIONS

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)	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.

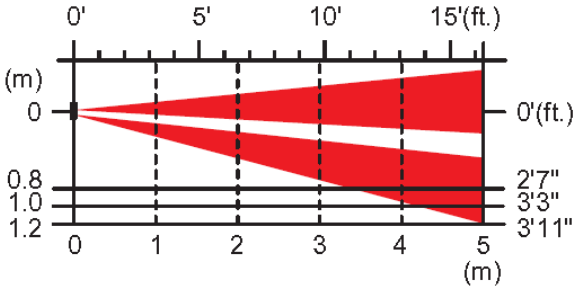
COVERAGES

Top view

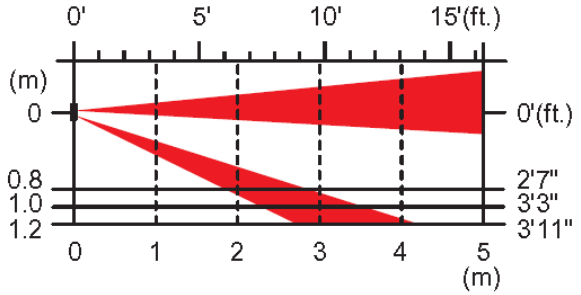


Side view

5m detection length



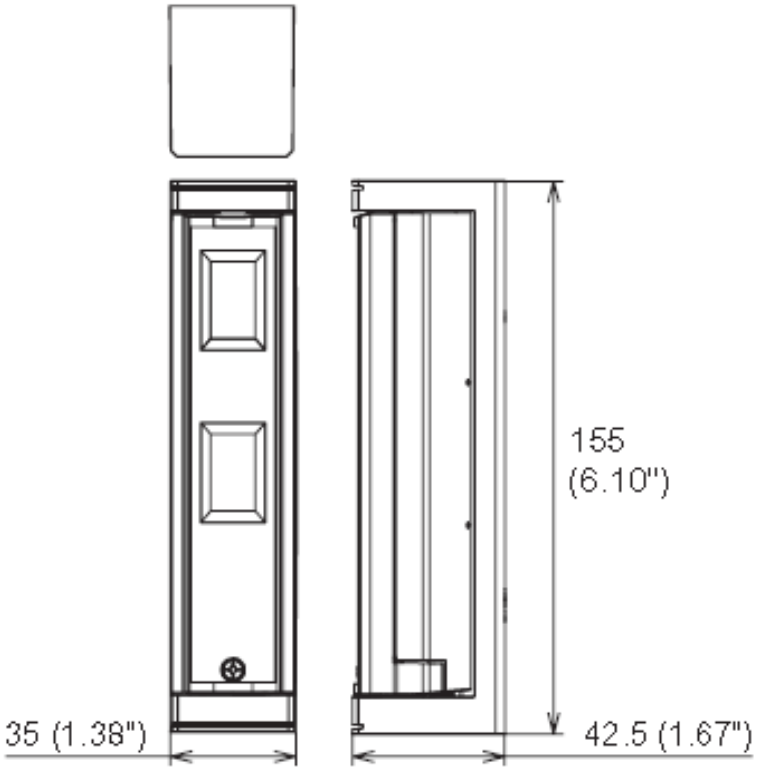
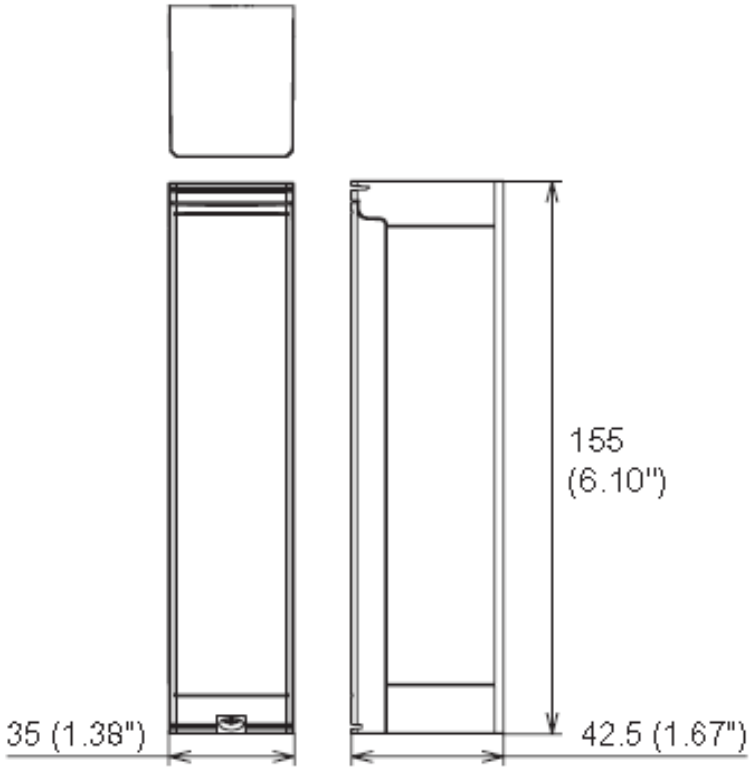
2m detection length



DIMENSION

Unit: mm (inch)

Main unit



Separate box