OPTEX
Sensing Innovation

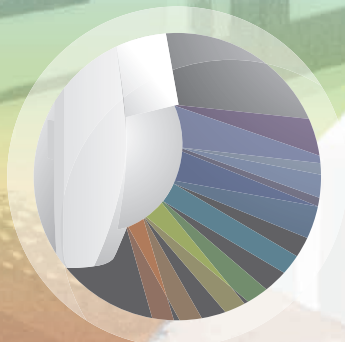PASSIVE INFRARED DETECTOR

RX CORE series
RXC-ST

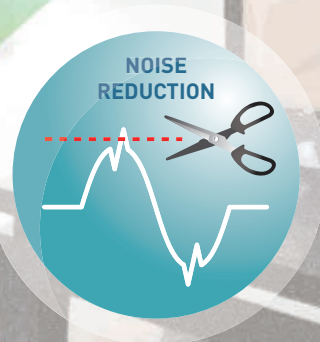**Grade 2**
EN50131-2-2

DIGITAL QUAD ZONE LOGIC

Built on OPTEX's proven RX and CX series technology, RXC-ST provides higher performance in higher temperatures, features digital target recognition and is suitable for Grade 2 residential, commercial or industrial applications.

NOISE REDUCTION

RX-40PT
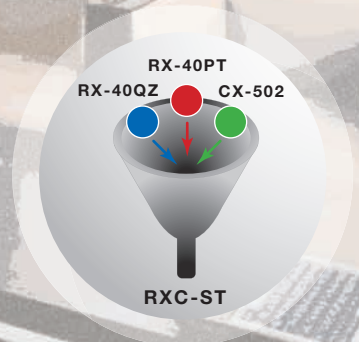RX-40QZ   CX-502

RXC-ST

QUAD ZONE LOGIC
Digital target recognition for small animal tolerance
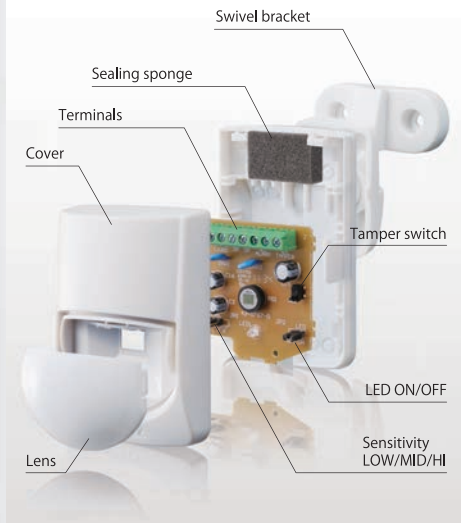
HIGH DENSITY PATTERN
To enhance catch performance

NOISE REDUCTION
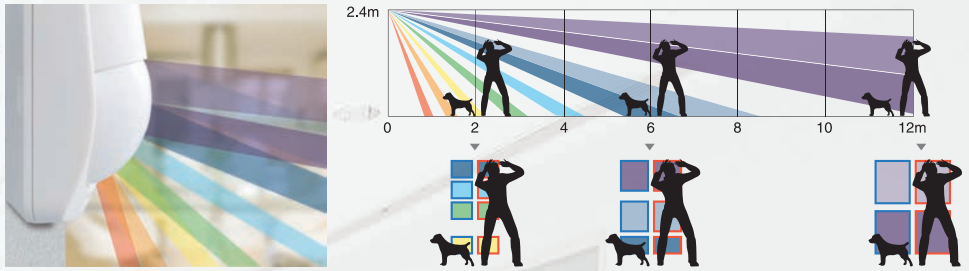Improved RF and white light immunity

PROVEN TECHNOLOGY
Built on three iconic detectors' technology

PASSIVE INFRARED DETECTOR
RX CORE Series

Swivel bracket
Sealing sponge
Terminals
Cover
Tamper switch
LED ON/OFF
Lens
Sensitivity LOW/MID/HI

DIGITAL QUAD ZONE LOGIC

2.4m

RX CORE has 78 dense zones to cover the whole coverage. At any spot within the coverage more than 4 (quad) zones are utilized to verify if it should generate alarm or not. Also The CORE Platform enabled the QUAD ZONE LOGIC to evolve to the next step. Providing digital quantification of infrared energy, RX-CORE enhanced accuracy in both human detectability and pet immunity.

SILENT OUTPUT

The original micro-processor technology enabled ECO PLATFORM operate under complete silence.There is no mechanical relay component that disturb the environment with clicking noise and making RX-CORE invisible in daily scenes.

MULTI ANGLE BRACKET

Ceiling and wall mounting are available. Horizontally ±45 degree, Vertically 0 to 15 degree downwards.
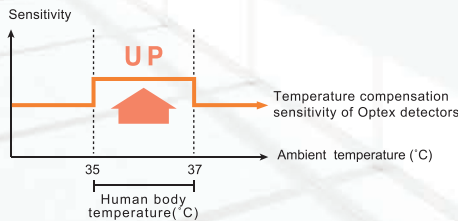
Ceiling mount   Wall mount
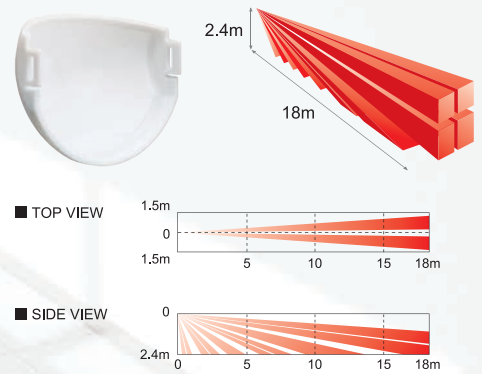
BASIC PERFORMANCE

ADVANCED SEALED OPTICS

Anti-insect design

Pick-proof design

ADVANCED TEMPERATURE COMPENSATION LOGIC

Sensitivity

UP

Temperature compensation sensitivity of Optex detectors

Ambient temperature (°C)
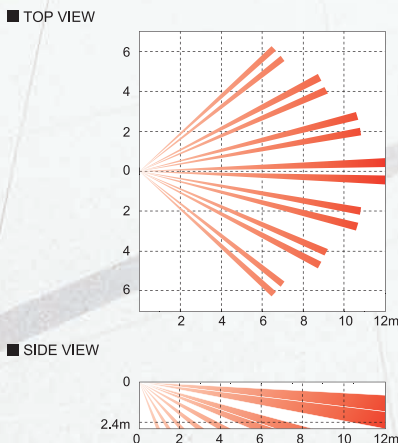
35   37

Human body temperature(°C)

It automatically increases the detector's sensitivity under high temperature conditions, especially where the background temperature ranges from 35-37°C(63 - 67°F), close to that of the human body.
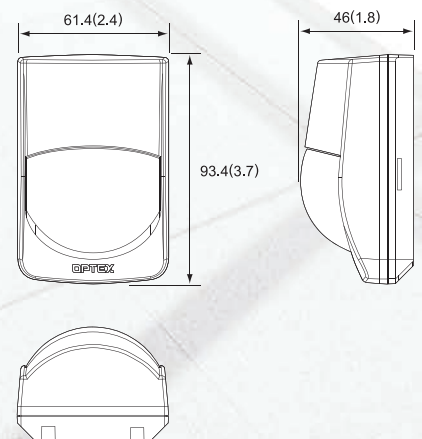
OPTION

18m long range lens : FL-60N

2.4m

18m

■ TOP VIEW

1.5m
0
1.5m

5   10   15   18m

■ SIDE VIEW

0

2.4m

0   5   10   15   18m

COVERAGE

■ TOP VIEW

6
4
2
0
2
4
6

2   4   6   8   10   12m

■ SIDE VIEW

0

2.4m

0   2   4   6   8   10   12m

SPECIFICATIONS

Model	RXC-ST
Detection method	Passive infrared
Coverage	12m x 12m(40ft x 40ft) 85°wide
Detection zones	78 zones
Mounting height	1.5 to 2.4m (5 to 8ft)
LED alarm indicator	Switchable ON/OFF
Alarm period	Approx. 2.5 sec
Alarm output	N.C., 24VDC 0.2A max.
Tamper switch	N.C., Open when cover is removed.
Sensitivity/range	Switchable LOW/MID/HI
Warm up period	Approx. 30 sec
Power input	9.5 to 16VDC
Current draw	8mA(normal), 11mA(max.) at 12VDC
Dimensions	93.4mm x 61.4mm x 46.0mm <HxWxD>
Weight	Approx. 70g (with bracket: 90g)
Operating temperature	-20°C to +50°C(-4°F to +122°F)
Environmental humidity	95% max.
RF interference	No alarm 10V/m

※Specifications are subject to change without prior notice.

DIMENSIONS

61.4(2.4)
46(1.8)
93.4(3.7)

OPTEX

Unit:mm(inch)