

PIR/MICRO/WAVE COMBINATION DETECTOR  
**RX CORE SERIES  
RXC-DT**

RXC-DT-X5: 10.525 GHz  
RXC-DT-X8: 10.587 GHz

- EN **INSTALLATION INSTRUCTIONS**
- FR **CONSIGNES D'UTILISATION**
- DE **INSTALLATIONSANLEITUNG**
- IT **ISTRUZIONI INSTALLAZIONE**
- CZ **INSTALAČNÍ NÁVOD**
- PT **INSTRUÇÕES DE INSTALAÇÃO**
- NL **INSTALLATIE INSTRUCTIES**
- ES **INSTRUCCIONES DE INSTALACIÓN**
- SE **INSTALLATIONSANVISNINGAR**
- PL **INSTRUKCJA INSTALACJI**
- RU **ИНСТРУКЦИЯ ПО УСТАНОВКЕ**

**Warning**

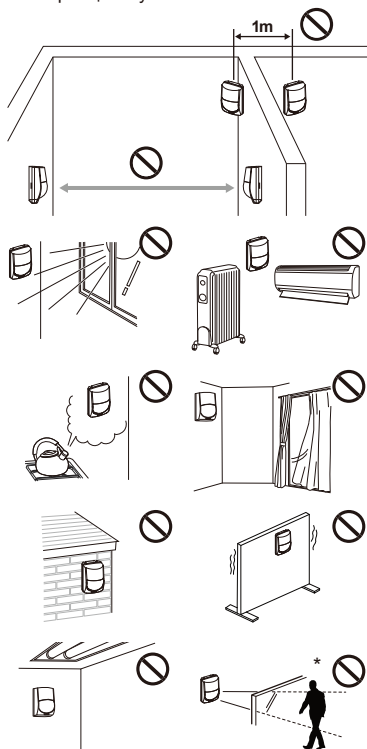
**Warning**

**Caution**

The nix sign indicates prohibition.

**1 INSTALLATION HINTS**

Conseils d'installation  
Installations-Tipps  
Indicazioni installazione  
Pokyny pro správné umístění  
Dicas de instalação  
Installatietips  
Recomendaciones de instalación  
Tips vid installation  
Wskazówki instalacyjne  
Принципы установки

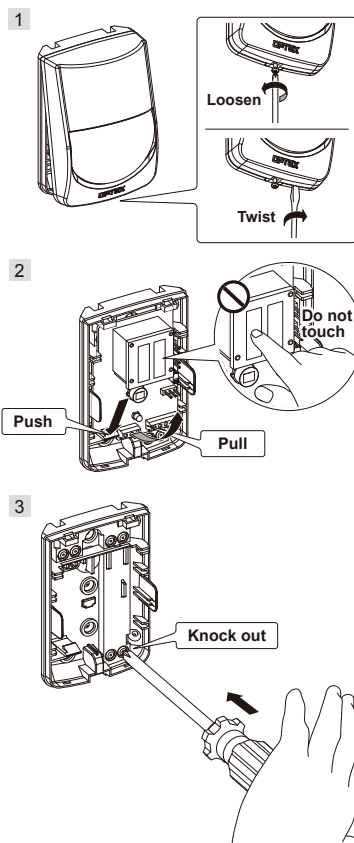


**Note>>**

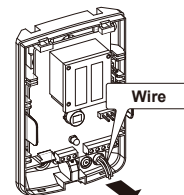
- Do not obscure partially or completely the detector's field of view.
- RXC-DT shall be mounted in a position and expected intrusion is in perpendicular the detection patterns.

**2 INSTALLATION**

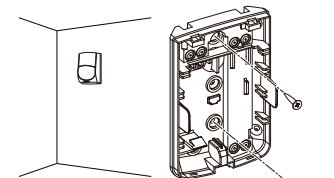
Installation  
Installation  
Installazione  
Instalace  
Instalação  
Installatie  
Instalación  
Installation  
Instalacja  
Установка



**4**

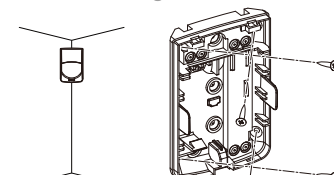


Backside mounting >>



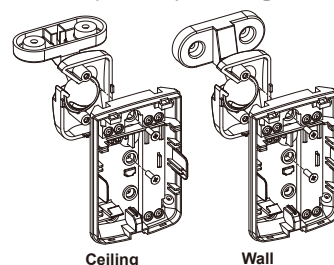
**Note>>**  
Mounting screws are not included.

Corner mounting >>



**Note>>**  
Mounting screws are not included.

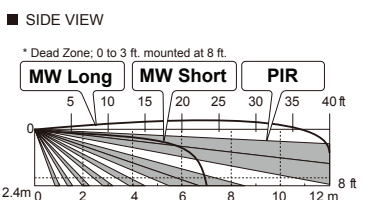
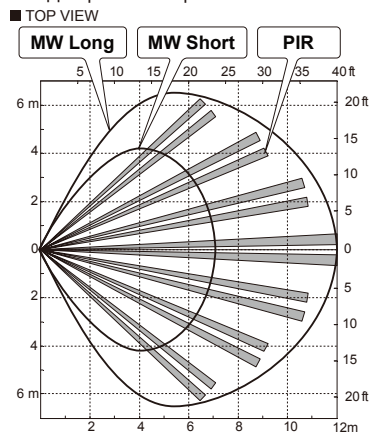
Bracket (included) mounting >>



\* Mounting RXC-DT with the bracket is not compliant with EN 50131-2-4.

**3 DETECTION ZONE**

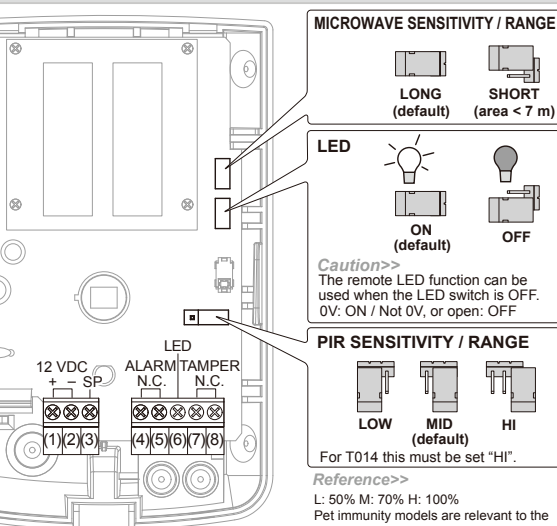
Zone de détection  
Erfassungsbereich  
Zone di rilevazione  
Detekční diagram  
Zona de detecção  
Detectiezone  
Zona de detección  
Bevakningsområde  
Charakterystyka Detekcji  
Диаграммы направленности



EN RXC-DT complies with EN 50131-2-4 except MW short setting and PIR sensitivity low setting at 2.4 m height.

**4 SETTING**

Réglage  
Einstellung  
Impostazione  
Nastavení  
Fixação  
Het instellen van  
Ajuste  
Inställning  
Ustawianie  
Настройка



**Caution>>**  
The remote LED function can be used when the LED switch is OFF. 0V: ON / Not 0V, or open: OFF

**Reference>>**  
L: 50% M: 70% H: 100%  
Pet immunity models are relevant to the position L.

**5 WIRING**

Câblage  
Verdrahtung  
Impianto elettrico  
Zapojení  
Fiação  
Bedrading  
Cableado  
Inkoppeling  
Okablowanie  
Подключение

(1) (2)	(3)	(4) (5) *
Power input Alimentation Impianto elettrico Zapojení Fiação Bedrading Cableado Inkoppeling Okablowanie Подключение	Spare Pièce de rechange Ersatzteil Ricambi Volná svorka Reserva Reserv Contacto Libre Reserv Styk zapasowy Резервный	Alarm output (N.C.) Sortie d'alarme (N.C.) Alarmsgang (N.C.) Uscita allarme (N.C.) Poplachový kontakt (N.C.) Saída do alarme (N.C.) Alarm (N.C.) Salida de alarma (N.C.) Larmutgång (N.C.) Wyjście alarmowe (N.C.) Теревожный выход (H.3.)
	(6)	(7) (8) *
	Remote LED Déporté à LED Remote-LED Remote LED Dálkové LED Remoto LED Remote LED LED remoto Avlägsna LED Zdalne LED Удаленный LED	Tamper (N.C.) Autoprotection (N.C.) Manipulationsschutz (N.C.) Antiapertura (N.C.) Sabotážní kontakt (N.C.) Tamper (N.C.) Sabotage (N.C.) Interruptor contra sabotaje (N.C.) Sabotageutgång (N.C.) Styk sabotazowy (N.C.) Тампер (H.3.)

EN Wiring complying with IEC 60227 requirements or equipped with the equivalent fire protection characteristics to be used.

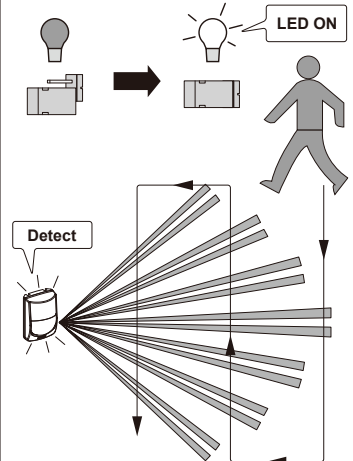
\* Alarm and tamper outputs are resistive load only.

■ Power wire maximum length (using one unit on a single wire)

WIRE GAUGE	12V DC
AWG22 (0.33 mm <sup>2</sup> )	520 m (1 700 ft)
AWG20 (0.52 mm <sup>2</sup> )	820 m (2 690 ft)
AWG18 (0.83 mm <sup>2</sup> )	1,310 m (4 290 ft)

**6 WALK TEST**

Test de marche  
Gehtest  
Test caminata  
Zkouška krokovým testem  
Teste de funcionamento  
Looptest  
Prueba de funcionamiento  
Gångtest  
Test przejęcia  
Проверка методом обхода



**Note>>**  
Conduct a walk test at least once a year.

## 7 SPECIFICATIONS

Caractéristiques  
Technische Daten  
Specificazioni  
Specificações  
Specificaties  
Especificaciones  
Specificationer  
Specyfikacja  
Спецификации

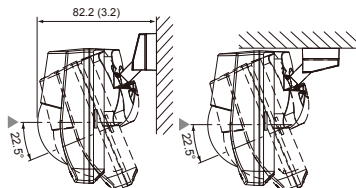
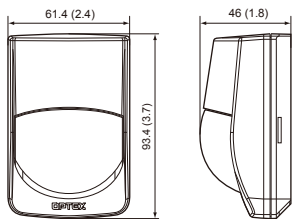
Specifications and design are subject to change without prior notice.  
Conception et spécifications sont sujettes à changement sans préavis.  
Spezifikationen und Design können sich ohne vorherige Ankündigung ändern.  
Le specificazioni e il design sono soggetti a cambiamenti senza notifica anticipata.  
Změna specifikace a designu produktu bez předchozího upozornění vyhrazena.  
Especificações e modelos estão sujeitos à mudanças sem aviso prévio.  
Specificaties en ontwerp kunnen zonder voorafgaande kennisgeving veranderd worden.  
Las especificaciones y diseño están sujetos a cambios sin aviso previo.  
Spezifikation och design kan ändras utan förvarning. szego powiadomienia.  
Specyfikacja oraz wygląd czujki mogą ulec zmianie bez wcześniejszego powiadomienia.  
Технические характеристики и дизайн могут быть изменены без предварительного уведомления.

Model	RXC-DT
Detection method	Passive infrared, Microwave and Temp.
Coverage	Long: 12m (40ft.) or Short: 7m (23ft.) 85°wide
Detection zones	78 zones
Mounting height	1.5 to 2.4 m (5 to 8 ft)
LED alarm indicator	Switchable ON/OFF
Alarm period	Approx. 2.5 sec
Alarm output	N.C., 28 V DC 0.2 A max.
Tamper switch	N.C., Open when cover is removed.
Tamper output	24 V DC 0.1 A max.
PIR sensitivity/range	Switchable LOW/MID/HI
Microwave sensitivity/range	Switchable LONG/SHORT
Warm up period	Approx. 60 sec
Power input	9.5 to 16 V DC
Current consumption	12mA (normal), 15mA (max.) at 12VDC
Dimensions	93.4mm x 61.4mm x 46.0mm <HxWxD>
Weight	Approx. 90 g (with bracket: 110 g)
Operating temperature	-20°C to +45°C (-4°F to +113°F)
Environmental humidity	95% max.
RF interference	No alarm 10 V/m

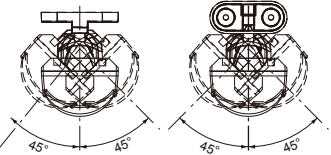
## 8 DIMENSIONS

Dimensions  
Abmessungen  
Dimensioni  
Rozměry  
Dimensões  
Afmetingen  
Dimensiones  
Dimensionary  
Wymiary  
Размеры

Unit: mm (inch)



▶ Mark position provides the maximum detection range.



Caution>>

The using of a mounting bracket may affect the unit range of detection and dead zone area.

## 9 COMPLIANCE

Conformité  
Zur Beachtung  
Conformità  
Legislativa  
Conformidade  
Naleving  
Conformidad  
Kravuppyllnad  
Deklaracja zgodności  
Соответствие

**CE** EN 50131-1 Grades and Environmental Class;  
Security Grade 2, Environment Class II.  
EN 50131-2-4  
Tested and certified by Telefication.

We declare the DC power source provided to the product is 9.5 to 18 V DC and must be limited power source complied with IEC 60950-1 chapter 2.5.

Hereby, OPTEX declares that the radio equipment type RXC-DT-X5 and RXC-DT-X8 are in compliance with RED 2014/53/EU. The full text of the EU DoC is available at the following internet address: [www.optex.net](http://www.optex.net)

### Microwave emission Frequency and Power

RXC-DT-X5 : 10.525 GHz 10.4 mW e.i.r.p.  
RXC-DT-X8 : 10.587 GHz 14.6 mW e.i.r.p.

The following table indicates the areas of intended use of the equipment and any known restrictions. For countries not included in this list, please consult the responsible Spectrum Management Agency.

10.525 GHz: Belgium, Denmark, Finland, Greece, Italy, Luxembourg, The Netherlands, Spain, Sweden, Iceland, Norway, Switzerland

10.587 GHz: France, Ireland, United Kingdom, Belgium, The Netherlands, Luxembourg

### EU contact information

**Manufacturer:**  
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**Authorised representative in Europe:**  
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/EMEA HEADQUARTERS  
Unit 13, Cordwallis Park, Clivemont Road,  
Maidenhead, Berkshire, SL6 7BU U.K.

Optex RXC-DT shall be supplied by a SELV and LPS (or UL 1310 class 2) power supply or connected to a dedicated control unit with SELV and LPS output.

alarm class 2, miljø klass II, SSF 1014  
IMQ-SECURITY SYSTEM  
PD6662: 2010

### NOTE

This unit is designed to detect movement of an intruder and activate an alarm control panel.  
Being only a part of a complete system, we can not accept responsibility for any damages or other consequences resulting from an intrusion.

### NOTE

Cet appareil est fait pour détecter les mouvements intrus et activer un panneau d'alarme.  
Le détecteur est protégé contre l'immunité au champ magnétique. N'étant n'est qu'une partie d'un système complet, nous rejetsons toute responsabilité pour tout dommage ou autres conséquences suite à une intrusion.

### HINWEIS

Dieses Gerät dient zur Erfassung von Eindringlingen und es aktiviert einen Alarm über das Steuerungspanel.  
Da es nur ein Teil eines kompletten Systems ist, können wir keine Haftung für Schäden oder für die Konsequenzen übernehmen, die aus einem Einbruch resultieren.

### NOTE

Questa unità è progettata per rilevare i movimenti di eventuali intrusi ed attivare un pannello di controllo per l'allarme. Essendo semplicemente un parte di un sistema completo, non possiamo assumerci alcuna responsabilità per eventuali danni o altri inconvenienti derivati da un'intrusione.

### POZNÁMKA

Toto zařízení slouží k detekci pohybu nežádoucí osoby a k aktivaci poplachového systému. Vzhledem k tomu, že se jedná pouze o část kompletního systému, nepřebíráme odpovědnost za škody nebo jiné následky vyplývající z vniknutí nežádoucí osoby.

### NOTA

Esta unidade foi desenvolvida para detectar movimento de um intruso e activar um painel de controlo de alarme. Sendo apenas uma parte de um sistema completo, não podemos aceitar a responsabilidade por quaisquer danos ou outras possíveis consequências resultantes de uma intrusão.

### LET OP

Deze eenheid is ontworpen om bewegingen van een indringer te detecteren en een alarmbesturingspaneel te activeren. Omdat het slechts een onderdeel van een compleet systeem is, zijn wij niet aansprakelijk voor enige schade of andere gevolgen van een inbraak.

### NOTA

Esta unidad ha sido diseñada para detectar el movimiento de cualquier intruso y activar un panel de control de alarmas. Es solo una parte de un completo sistema, por lo que nosotros no podemos hacernos responsables de ningún daño u otras consecuencias que se pudieran producir como resultado de una intrusión.

### NOTERA

OBS Denna enhet är konstruerad för att detektera rörelse av en inkraktare och aktivera en larmpanel kontroll.  
Det är endast en del av ett komplett system, vi tar inte ansvar för eventuella skador eller andra konsekvenser till följd av ett intrång.

### UWAGA

Jednostka ta została zaprojektowana do wykrywania ruchu i uruchamiania panelu kontroli systemu alarmowego. Ponieważ stanowi ona integralną część całego systemu, nasza firma nie ponosi odpowiedzialności za szkody powstałe w wyniku włamania.

### ПРИМЕЧАНИЕ

Это устройство предназначено для обнаружения движения нарушителя и активации управления сигнализацией. Это всего лишь часть общей системы, поэтому мы не несем никакой ответственности за любые повреждения или иные последствия, причиненные вторжением.



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