

# CoMET PIR

PIR DETECTOR



INSTALLATION INSTRUCTIONS

**ROKONET**  
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WARNING: This product should be tested at least once a week.

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5IN210PRML 05/02

## ENGLISH

### General Description

The CoMET PIR (RK210PR) is an excellent solution for cost effective residential applications.

The CoMET series includes the following models: The CoMET PIR is a wide angle 12m X 12m (40' x 40') with high catch performance and false alarm immunity.

A version without tamper is also available -RK210PRNT.

The CoMET Series also includes the following model:

The CoMET PET (RK210PT) is an excellent solution for cost effective PET immune residential applications. The CoMET PET is 8m (26') pet immune Detector with immunity up to 42lbs. (20kg.) dog, 2 cats or multiple rodents.

### Mounting Locations

Primary considerations (fig. 1). Do not mount the unit in direct sunlight or near heat sources. The Detector needs to be located so that an intruder will cross the infrared beam pattern.

### Installation

Open the cover (fig. 2)

### Mounting Procedure

Remove knockouts for mounting screws and cable entry (fig. 3)

CE - Cable entry  
MS - Mounting screws  
Insert cable and attach the base to location (fig. 4)

**Nota: It is possible to "drill" the bottom without taking out the PCB (fig.3).**

### Terminal Connections

**12VDC:** Power supply input  
**ALARM:** NC dry contact relay  
**TAMPER:** NC dry contact relay  
Seal holes (fig. 3)  
PC Board Adjustment  
Loosen PC board holding screw Position the board according to the lens used  
**Wide angle:**  
Height 2.4m (7' 10")  
Room size: 3-6m (10'-20'), (fig 8a. Short)

**Room size:** 6-12m (20'-40') , (fig 8b. Long)  
Higher than typical mounting heights (fig.8c)  
**Long range lens:**  
Height 2.4m (7'10") (fig 8a. Short)  
Range 18m (59') (fig 8b. Long)

### Jumper Settings

Set jumper in position corresponding to the desired pulse count. (fig. 5). For Long range lens use pulse count 1 only.

## SPANISH

### Descripción General

El CoMET PIR (RK210PR) es una excelente solución, a bajo costo para aplicaciones residenciales.

La Serie CoMET incluye los siguientes modelos:

El CoMET PIR es un gran angular de 12m x 12m (40x40) con alto desempeño de captura e inmunidad a falsas alarmas. Una versión sin tamper también está disponible - RK210PNT

La Serie CoMET incluye además el siguiente modelo:

El CoMET PET (RK210PT) es una excelente solución, a bajo costo para aplicaciones residenciales que requieren inmunización a animales domésticos. El CoMET PET es un Detector de 8m (26') 90° inmune a animales domésticos con inmunidad a un perro de hasta 42 lbs (20 kg), 2 gatos o varios roedores.

### Posición de montaje

Consideraciones básicas (fig. 1). No montar la unidad frente a luz solar directa o cerca de fuentes de calor. El Detector necesita ser ubicado de tal manera

que un intruso cruce el diagrama del rayo infrarrojo.

### Instalación

Abra la cubierta (fig. 2)

### Procedimiento de montaje

Sin el dispositivo de montaje giratorio. Abrir los agujeros pre-marcados para los tornillos de montaje y entrada de cables. (fig. 3)  
CE - entrada de cables  
MS - tornillos de montaje  
Introducir el cable y fijar la base en su

lugar (fig. 4)

**Nota: es posible "perforar" el fondo sin retirar el PCB. (fig. 3)**

### Conexiones de los bornes

**12VDC:** entrada de la fuente de alimentación  
**ALARMA:** conmutador de forma A (N.C.) relé  
**TAMPER:** conmutador de forma A (N.C.) relé  
Sellar los agujeros (fig. 3)  
**Ajuste de la Tarjeta:**  
Aflojar los tornillos sujetadores de la tarjeta  
Ajustar la posición de la tarjeta de acuerdo a la lente utilizada

### Lente gran angular:

Altura 2.4m (7' 10")  
Tamaño de la habitación:3-6m (10'-20') (fig. 8a. Short)  
Tamaño de la habitación:6-12m (20'-40') (fig. 8b. Long)  
Alturas de montaje más altas que la típica (fig. 8c.)  
Lente de largo alcance:  
Altura 2.4m (7'10") (fig. 8a. Short)  
Alcance 18m (59') (fig. 8b. Long)

### Colocación de los puentes

Colocar el puente en la posición correspondiente al contado de pulsos deseado (fig. 5) Para lentes de largo alcance use solamente contado de pulsos 1.

### Prueba de marcha

Reemplazar la tapa delantera. Energizar el detector y aguardar hasta que la unidad se estabilice (> 2 minutos)  
Caminar en la área protegida (fig. 6). Observar el LED, confirmando el alcance

## FRENCH

### Description Générale

Le CoMET PIR (RK210PR) est une solution idéale pour applications aux locaux de type résidentiel, offrant un excellent rapport qualité prix.

La gamme de produits CoMET comprend les modèles suivants : Le CoMET PIR est un grand angle 12m X 12m (40' x 40') à haute définition en matière de détection d'intrusion et d'immunité aux fausses alarmes.

Une version sans autoprotection est également disponible - le RK210PRNT. La gamme de produits CoMET inclut

également le modèle suivant:

Le CoMET PET (RK210PT) est une solution rentable et parfaitement conçue pour applications aux locaux de type résidentiel avec immunité aux animaux domestiques. Le CoMET PET est un détecteur à couverture de détection de 8m (26') et 90°, dont l'immunité aux animaux domestiques s'applique pour un chien jusqu'à 20 kg. (42lbs), 2 chats ou plusieurs petits rongeurs d'appartement.

### Lieu d'installation

Premières considérations (fig.1) N'exposez pas l'appareil directement à la

lumière du soleil ni près de sources de chaleur. Le détecteur doit être placé de sorte que tout intrus traverse inévitablement le rayon infrarouge.

### Installation

Ouvrez le couvercle (fig. 2)

### Procédé d'assemblage

Sans pivot : Retirez les rivets pour monter les vis et l'entrée du câble  
CE - (Cable Entry) - entrée du câble  
MS - (Mounting screws) - vis d'assemblage (fig. 3)  
Insérez le câble et fixez la base à l'endroit

choisi (fig. 4)

**Remarque: il est possible de "percer" la partie inférieure sans enlever le PCB. (fig. 3)**

### Connexions finales

**12VDC:** alimentation électrique  
**ALARME:** interrupteur NC de contact à sec  
**AUTOPROTECTION:** interrupteur NC de contact à sec  
Ouvertures d'air (fig. 3)  
**Réglage de la carte PC:** Desserrez la vis de maintien de la carte PC Positionnez la carte selon la lentille utilisée.

### Grand angle:

Hauteur 2.4m (7' 10")  
Dimensions de la pièce: 3-6m (10'-20') (fig. 8a. Short)  
Dimensions de la pièce: 6-12m (20'-40') (fig. 8b. Long)  
Hauteur plus élevée que la hauteur d'installation type (fig.8c)  
**Lentille longue portée:**  
Hauteur 2.4m (7'10") (fig. 8a. Short)  
Champ de détection 18m (59') (fig. 8b. Long)

### Installation du cavalier

Placez le cavalier dans la position correspondante au nombre d'impulsions désiré. (fig. 5).

Pour une lentille longue portée, le nombre d'impulsions doit être seulement de 1.

### Test de passage (en marchant)

Remplacez le couvercle frontal. Mettez l'appareil sous tension et attendez qu'il se stabilise (> 2 minutes)  
Passez en marchant à travers la zone protégée (fig. 6).

## ITALIAN

### Descrizione Generale

Il rivelatore CoMET PIR (RK210PR) rappresenta un'ottima soluzione per le installazioni residenziali.

Il rivelatore CoMET PIR ha una portata di 12x12 m e fornisce ottime prestazioni ed elevata immunità ai falsi allarmi.

E' disponibile anche una versione senza tamper - RK210PRNT.

La serie CoMET include anche i seguenti modelli:

CoMET PET (RK210PT): ottima soluzione

per l'immunità agli animali domestici nelle installazioni residenziali. Il CoMET PET è un rivelatore dalla portata di 8 m con un raggio di 90° ed è immune a cani fino a 20 kg, 2 gatti e diversi roditori.

### Installazione

Considerazioni preliminari (fig.1)

Si ricorda di non montare l'unità in zone direttamente esposte ai raggi solari o nelle vicinanze di fonti di calore. Il sensore deve essere installato in modo tale da rilevare senza interferenze l'eventuale passaggio

di un intruso entro il raggio d'azione dell'unità.

### Installazione

Aprire il coperchio dell'unità (fig. 2)

### Rimuovere le predisposizioni

plastiche per consentire il montaggio delle viti e l'entrata dei cavi (fig. 3)

CE - entrata cavo  
MS - viti per il montaggio  
Inserire il cavo e fissare la base del sensore nel punto scelto (fig. 4)

**Nota: grazie alla particolare predisposizione, è possibile forare la base del sensore senza dover estrarre la scheda dall'unità. (fig. 3).**

### Cablaggio dei morsetti

**12VCC:** ingresso dell'alimentazione  
**ALARM:** contatto pulito libero da tensione  
**TAMPER:** contatto pulito libero da tensione (fig. 3) Sigillare i fori.  
**Regolazione della scheda:** Allentare la vite interna e far scorrere la scheda in modo da posizionarla

all'altezza della tacca relativa al tipo di lente usata. Stringere la vite.

### Grandangolo:

Altezza 2.4m  
Dimensioni stanza: 3-6m (10'-20') (fig. 8a. Short)  
Dimensioni stanza: 6-12m (20'-40') (fig. 8b. Long)  
Più alta rispetto ai montaggi standard (fig.8c)

### Lenti lunga portata:

Altezza 2.4m (7'10") (fig. 8a. Short)

Portata 18m (59') (fig. 8a. Long)  
Più bassa rispetto ai montaggi standard (fig.8b Long)

### Regolazione del ponticello

Regolare il ponticello in base al conteggio impulsi desiderato. (fig. 5)

Per lenti a lunga portata usare solo conteggio impulsi 1.

### Prova di movimento

Togliere il coperchio. Attivare il dispositivo e attendere (>2 minuti) per il raggiungimento della stabilizzazione

1

2

3

4

5

6

**ENGLISH**

**Walk Test**

Replace front cover. Apply power and wait until stabilised (> 2 minutes)

Walk through the protected area (fig. 6).

Observe LED, confirm detection coverage.

When completed tighten the screw.

**Procedure for Changing Lenses**

Lift off the clip holding the lens by pressing on its holding tabs. Slide the lens out of

the Comet cover. Reverse the procedure for inserting a new lens. (fig 7.)

**SPECIFICATIONS**

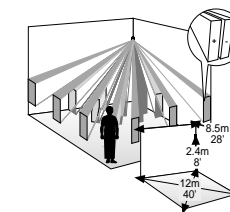
Operating Voltage: 9 to 16 V  $\square$   
 Current: 12mA at 12 V  $\square$   
 Alarm Contacts: 0.1 amps, 24 V  $\square$ , N.C.  
 Tamper Contacts: 0.1 amps, 24 V  $\square$ , N.C. (in RK210PR only)  
 Automatic temperature compensation  
 Size: 89 X 52 X 39 mm (3.5 x 2 x 1.5 in)

Optical Filtering: White light protection, pigmented lens  
 Operating Temperature: -5 to + 50°C (+23 to 122°F)  
 Storage Temperature: -20 to + 55°C (-4 to 131°F)  
 Specifications are subject to change without prior notice. Should any questions arise, contact your distributor.

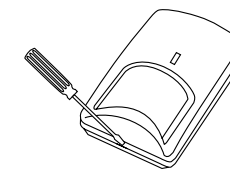
**Model Part Numbers and accessories.**

P/N	TYPE	RANGE	OTHERS
RK210PR0000A	PIR	12mx12m (40ft x 40ft)	
RK210PRNT00A	PIR	12mx12m (40ft x 40ft)	Without tamper
RL407	Long Range Lens	18mx2.3m (59'x7'7")	Accessory

**FIG.1**



**FIG.2**



**SPANISH**

de la detección. Cuando completado aprete el tornillo.

**Procedimiento para el cambio de lentes**

Levantar el clip que sostiene la lente, apretando en sus presillas de retención. Deslizar la lente fuera de la cobertura de Comet. Invertir el procedimiento para insertar una nueva lente. (fig. 7)

**ESPECIFICACIONES**

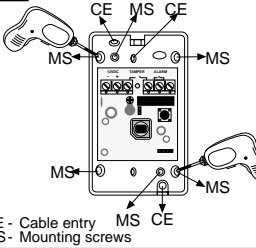
Voltaje de Operación: 9 hasta 16 V  $\square$   
 Corriente: 12mA hasta 12 V  $\square$   
 Contactos del Alarma: 0.1 amps, 24V  $\square$ , N.C.  
 Contactos del Tamper: 0.1 amps, 24V  $\square$ , N.C. (solamente en el RK210PR)  
 Compensación automática de temperatura  
 Tamaño: 89 x 52 x 39 mm (3.5 x 2 x 1.5 in)  
 Filtración óptica: protección contra luz blanca, lentes pigmentadas

Temperatura de Operación: -5 hasta +50°C (+23 hasta 122°F)  
 Temperatura de Almacenamiento: -20 hasta +55°C (-4 hasta 131°F)  
 Las especificaciones están sujetas a cambios sin previo aviso. En caso de presentarse cualquier duda, consulte a su distribuidor.

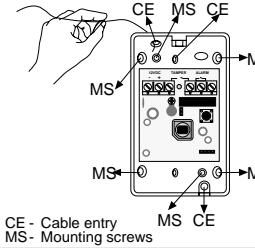
**Número de las partes de los modelos y accesorios.**

P/N	TIPO	ALCANCE	OTROS
RK210PR0000A	PIR	12mx12m (40ft x 40ft)	
RK210PRNT00A	PIR	12mx12m (40ft x 40ft)	Sin tamper
RL407	Lentes de Largo Alcance	18mx2.3m (59'x7'7")	Accesorio

**FIG.3**



**FIG.4**



**FRENCH**

Observez la diode LED, confirmez le champ de détection. Ensuite, resserrez la vis.

**Procédure de changement de lentille**

Soulevez le crochet qui retient la lentille en appuyant sur ses attaches. Faites glisser la lentille à l'extérieur du couvercle de l'appareil Comet. Procédez inversement pour introduire la nouvelle lentille. (fig. 7)

**SPÉCIFICATIONS**

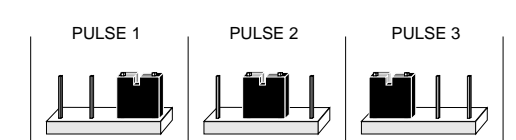
Tension de fonctionnement: de 9 à 16 V  $\square$   
 Courant: 12mA 12 V  $\square$   
 Contacts d'alarme: 0.1amps, 24V  $\square$ , N.C.  
 Contacts d'autoprotection: 0.1 amps, 24 V  $\square$ , N.C. (avec RK210PR seulement)  
 Compensation automatique de la température  
 Dimensions: 89 x 52 x 39 mm (3.5 x 2 x 1.5 in)

Filtrage optique: protection contre la lumière blanche, lentille teintée  
 Température de fonctionnement: de -5 à +50°C (de +23 à 122°F)  
 Température de stockage: de -20 à +55°C (de -4 à 131°F)  
 Ces spécifications peuvent subir des modifications sans avis préalable. Pour tout renseignement complémentaire, n'hésitez pas à contacter votre distributeur.

**Code des modèles et accessoires.**

P/N	CATÉGORIE	CHAMP DE DÉTECTION	AUTRES CARACTÉRISTIQUES
RK210PR0000A	PIR	12mx12m (40ft x 40ft)	
RK210PRNT00A	PIR	12mx12m (40ft x 40ft)	Sans autoprotection
RL407	Lentille longue portée	18mx2.3m (59'x7'7")	Accessoire

**FIG.5**



**ITALIAN**

Camminare all'interno dell'area protetta (fig. 6).

Osservare il LED, confermare la copertura di rivelazione. Una volta completata l'operazione, stringere la vite.

**Procedura per il cambio della lente**

Rimuovere il morsetto che protegge la lente premendo sull'apposita linguetta. Far scivolare la lente fuori dal coperchio del Comet. Ripetere la procedura al contrario per inserire una nuova lente. (fig 7).

**SPECIFICHE**

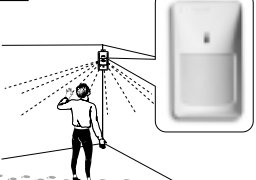
Alimentazione: da 9 a 16 V  $\square$   
 Consumo di corrente: 12mA a 12 V  $\square$   
 Contatti allarme: NC, 24 V  $\square$ , 0.1 A  
 Contatti tamper: NC, 24 V  $\square$ , 0.1 A (solo nel modello RK210PR)  
 Dimensioni: 89x52x39 mm  
 Ottica: protezione alle luci bianche, lenti pigmentate

Temperatura di funzionamento: da -5 a 50°C  
 Temperatura di stoccaggio: da -20 a 55°C  
 Le specifiche tecniche possono essere soggette a modifiche senza preavviso. Per qualunque chiarimento, contattare il distributore.

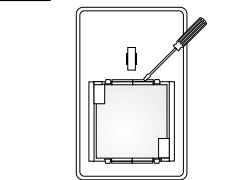
**Codici di prodotto e accessori.**

CODICI	TIPO	PORTATA	ALTRO
RK210PR0000A	PIR	12mx12m (40ft x 40ft)	
RK210PRNT00A	PIR	12mx12m (40ft x 40ft)	Senza tamper
RL407	Lente Lunga Portata	18mx2.3m (59'x7'7")	Accessori

**FIG.6**



**FIG.7**



**FIG.8**

