

**ENGLISH**

**DIP Switch**

Set DIP switch in position corresponding to the desired pulse count (fig. 11)  
For Long range lens (RL407H) use pulse count 1 only.

**FRANÇAIS**

**DIP Switch**

Placez le DIP Switch dans la position correspondante au nombre d'impulsions souhaité (fig. 11)  
Avec la lentille Longue Portée (RL407H), utilisez le comptage à 1 impulsion.

**Changement De La Lentille**

Soulevez la protection du capteur située dans le couvercle. (fig. 12)  
Faites glisser la lentille en dehors de ses encoches. (fig. 13)

Et inversez la procédure pour mettre une nouvelle lentille.

**Changing Lenses**

Lift protective sleeve (fig. 12)  
Slide lens out (fig. 13)  
Reverse the procedure to insert new lens

**Walk Test**

Replace front cover  
Apply power and wait until stabilized (> 2 minutes)  
Walk through protected area (fig. 14)

Observe LED, confirm detection coverage  
Adjust swivel if necessary. When completed tighten the screw

**Test De Passage**

Refermez le couvercle du détecteur.  
Alimentez le détecteur et attendez 2 minutes qu'il se stabilise. (fig. 14)  
Marchez en divers endroits de la zone protégée.  
Observez la LED qui confirme la détection de couverture Ajustez la rotule si nécessaire, et une fois les tests terminés, resserrez bien la vis qui maintient la rotule.

**SPECIFICATIONS**

Consommation (sous 12 VDC) Hors alarme: 16mA  
En alarme: 17.5mA à 12 VDC  
Voltage exigé: 9 -16VDC  
Contacts d'alarme: 24 VDC, 0,1 A.

Temps minimal de changement d'état: 2.2 seconds  
Contacts d'autoprotection: 24 VDC, 0,1 A,  
Résistance de la boucle de Détection:  
Etat ouvert: plus que 10<sup>8</sup> ohm  
Etat fermé: moins que 1 ohm  
Ondulations résiduelles maximales admissibles:  
0.25V crête à crête  
Dimensions: 107 x 58 x 39mm (4.2 x 2.3 x 1.5 in.) (sans pivot)  
Ajustement du pivot: Horizontal: ± 25°  
Vertical: +5°, -20°  
Filtrage: protection lumière blanche  
Température de fonctionnement: -10°C to 55°C (+14°F to +131°F)

Température de stockage: -20°C to 55°C (-4°F to -131°F)  
Indice de protection: IP 31/IK 02  
Taille du câble à utiliser: Fil de diamètre au moins 0.5 mm pour une longueur ne dépassant pas 300 mètres.

**ORGANISME DE CERTIFICATION:**  
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http://www.marque-nf.com  
CNPP: BP 2265, 27950 ST MARCEL, http://www.cnpp.com

**ESPAÑOL**

**Inerruptor DIP**

Poner el interruptor DIP en la posición correspondiente al contador de pulsos deseado (fig. 11).

Para lentes de largo alcance (RL407H), utilizar contador de pulsos en la posición 1.

**Cambiado De Lentes**

Levantar la cubierta protectora (fig. 12)  
Deslizar la lente hacia afuera (fig. 13)  
Invertir el procedimiento para insertar la lente nueva

**Prueba De Marcha**

Montar la cubierta  
Energizar el detector y aguardar a que la unidad se estabilice (por lo menos dos minutos). (fig. 14)  
Caminar en el área protegida.

Observar el LED para confirmar la cobertura.  
Ajustar el ángulo de giro si esto fuera necesario.  
Una vez finalizado el ajuste, fijar el tornillo

**ITALIANO**

**Microinterruttore**

Settare il microinterruttore sulla posizione corrispondente al conteggio impulsi desiderato (fig. 11).

Utilizzate solo il Conteggio d'impulso 1 con la lente di lunga portata. (RL407H)

**Sostituzione delle Lenti**

Solleivate la mascherina di protezione (fig. 12)  
Fate scivolare la lente per poterla estrarre. (fig. 13)  
Effettuate la procedura contraria per inserire la nuova lente.

**Prova di Movimento**

Riposizionate il coperchio frontale.  
Alimentate il sensore ed aspettate almeno 2 minuti (periodo di riscaldamento) (fig. 14)  
Camminate nell'area protetta.

Osservate il LED per avere la conferma che l'area è coperta dal sensore.  
Regolate lo snodo se necessario.  
Dopo aver completato l'operazione, serrate la vite di fissaggio.



RK410PRD  
RK410QD



**Digital PIR/Quad Motion Detector  
INSTALLATION INSTRUCTIONS**

**RISCO Group Contacting Info**  
RISCO Group is committed to customer service and product support. You can contact us through our website (www.riscogroup.com) or at the following telephone and fax numbers:

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**SPECIFICATIONS:**

OPERATING VOLTAGE: 9 to 16V~  
CURRENT: 14mA at 12V~  
ALARM CONTACTS: 01. amps, 24V~ NC  
TAMPER CONTACTS: 0.1 amps, 24V~ NC  
SIZE: 107 X 58 X 39 mm (4.2 X 2.3 X 1.5 in.)  
SWIVEL ADJUSTMENT: Horizontal: + 25°  
Vertical: +5°, -20°  
OPTICAL FILTERING: White light protection, pigmented lens  
OPERATING TEMPERATURE: -10° to +50° C (+14° to +122° F)  
STORAGE TEMPERATURE: -20° to +50° C (-4° to 131° F)

Specifications are subject to change without prior notice. Should any questions arise, contact your distributor.

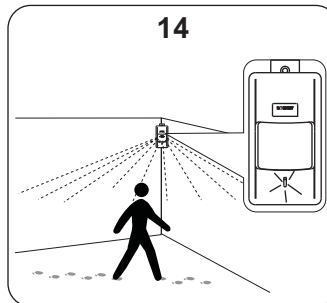
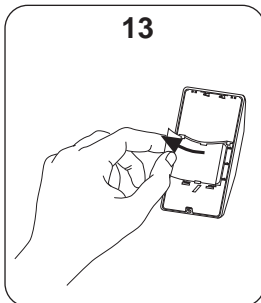
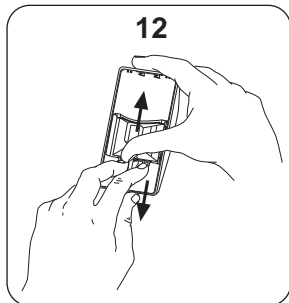
EN 50131-2-2 Grade 2 Class II  
PD 6662:2010

**11**

**DIP1: LEDs operation**  
ON: LEDs Enabled  
OFF: LEDs Disabled

**DIP 2-3:**

Sensitivity	DIP2	DIP3
1 pulse count	OFF	OFF
2 pulse count	ON	OFF
3 pulse count	OFF	ON



**RISCO Group Limited Warranty**

RISCO Group and its subsidiaries and affiliates ("Seller") warrants its products to be free from defects in materials and workmanship under normal use for 24 months from the date of production. Because Seller does not install or connect the product and because the product may be used in conjunction with products not manufactured by the Seller, Seller cannot guarantee the performance of the security system which uses this product. Seller's obligation and liability under this warranty is expressly limited to repairing and replacing, at Seller's option, within a reasonable time after the date of delivery, any product not meeting the specifications. Seller makes no other warranty, expressed or implied, and makes no warranty of merchantability or of fitness for any particular purpose. In no case shall seller be liable for any consequential or incidental damages for breach of this or any other warranty, expressed or implied, or upon any other basis of liability whatsoever.  
Seller's obligation under this warranty shall not include any transportation charges or costs of installation or any liability for direct, indirect, or consequential damages or delay.  
Seller does not represent that its product may not be compromised or circumvented; that the product will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; or that the product will in all cases provide adequate warning or protection.  
Seller, in no event shall be liable for any direct or indirect damages or any other losses occurred due to any type of tampering, whether intentional or unintentional such as masking, painting or spraying on the lenses, mirrors or any other part of the detector.  
Buyer understands that a properly installed and maintained alarm may only reduce the risk of burglary, robbery or fire without warning, but is not insurance or a guaranty that such event will not occur or that there will be no personal injury or property loss as a result thereof.  
Consequently seller shall have no liability for any personal injury, property damage or loss based on a claim that the product fails to give warning. However, if seller is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, seller's maximum liability shall not exceed the purchase price of the product, which shall be complete and exclusive remedy against seller.  
No employee or representative of Seller is authorized to change this warranty in any way or grant any other warranty.

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

**CAUTION:** risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to local regulations.

## ENGLISH

### General Description

The **Digital ZODIAC** Family includes the following models:

- ◆ **Digital ZODIAC PIR:** Residential microprocessor based PIR with excellent catch performance and false alarm rejection
- ◆ **Digital ZODIAC QUAD:** Real Quad residential microprocessor based PIR for higher false alarm immunity and catch performance in hostile environments
- ◆ **Digital ZODIAC PET:** Residential PIR for pet immunity installations

### Mounting locations

Primary considerations (fig. 1). Do not mount the unit in direct sunlight or near heat sources.

### Installation

Open the cover (fig. 2)

### Mounting procedure

#### Without swivel:

Remove knockouts for mounting screws and cable entry CE - Cable entry MS - Mounting screws (fig. 3)

Insert cable and attach the base to location (fig. 4)

**With the swivel:** Punch out Knockout.

Remove knockout for cable entry (fig. 5)

Attach base to swivel (fig. 6)

Feed the cable into the detector (fig. 7)

Screw swivel base on the wall or ceiling (fig. 8)

### Terminal connections

**12VDC:** Power supply input

**ALARM:** NC dry contact switch

**TAMPER:** NC dry contact switch Seal holes (fig. 9)

### PC Board Adjustment

Loosen PC board holding screw (fig. 10)  
Position the board according to the lens used

#### Wide angle:

Height 2.5m (8.2ft)

Room size: 3-6m (10-20ft) (fig.10 a)

Room size: 6-12m (20-40ft) (fig.10 b)

#### Long range lens:

Height 2.5m (8.2ft) range 18m (59ft) (fig.10 b)

Higher than typical mounting heights (fig.10 c)

Lower than typical mounting heights (fig.10 d)

## FRANÇAIS

### Description Générale

La famille des **Digital ZODIAC** comprend également les modèles suivants:

- ◆ **Digital ZODIAC PIR:** a été spécialement conçu pour optimiser la définition de détection et étudié pour réduire considérablement les fausses alarmes.
- ◆ **Digital ZODIAC QUAD:** Infrarouge passif Quad pour une meilleure immunité aux fausses alarmes et une définition de détection performante.
- ◆ **Digital ZODIAC AD:** Infrarouge passif pour les milieux résidentiels avec immunité aux animaux domestiques.

### Le Meilleur Emplacement Pour L'installation

Considérations préliminaires

Ne montez pas le détecteur en exposition directe au soleil ou près de sources de chaleur. (fig. 1)

### Installation

Ouvrez le couvercle (fig. 2)

### Montage

#### Sans la rotule :

Percez les pré perforations pour la fixation des vis et le passage du câble.CE - Passage du câble

MS - Vis de fixation (fig. 3)

Faites passer le câble et fixez l'embase du boîtier à

son emplacement. (fig. 4)

#### Avec la rotule :

Perforez la pré découpe et percez les pré perforations pour le passage du câble (fig. 5)

Emboîtez la rotule comme indiqué. ( fig. 6)

Faites passer le câble dans le détecteur (fig. 7)

Vissez la base de la rotule sur le mur ou au plafond. (fig. 8)

### Bornier De Raccordement

**12VDC:** Entrée alimentation

**ALARM:** Contact sec NF

**TAMPER (autoprotection):** Contact sec NF

Rebouchez les trous restants avec du joint silicone. (fig. 9)

### Ajustement De La Carte

Desserrer la carte en dévissant la vis de maintien. (fig. 10)  
La position de la carte dépend de la lentille utilisée.

#### Lentille Grand Angle:

Hauteur de pose 2.5m

Position SHORT Taille de la pièce de 3 à 6 (fig.10 a) mètres

Position LONG Taille de la pièce de 6 à 12 mètres (fig.10 b)

#### Lentille Longue Portée:

18 mètres de portée Hauteur de pose 2.5m (fig.10 b)

Quand le détecteur est monté plus haut qu'à 2.5m (fig.10 c)

Quand le détecteur est monté plus bas qu'à 2.5m (fig.10 d)

## ESPAÑOL

### Descripción general

La familia **Digital ZODIAC** incluye los modelos siguientes:

- ◆ **Digital ZODIAC PIR:** PIR de uso residencial con excelente capacidad de captura e inmunidad a falsas alarmas
- ◆ **Digital ZODIAC QUAD:** PIR Quad Verdadero de uso residencial para superior inmunidad a falsas alarmas y superior capacidad de captura en medio ambiente hostil
- ◆ **ZODIAC PET:** PIR de uso residencial para instalaciones que requieren inmunidad a animales domésticos

### Posición de montaje

Consideraciones básicas: no instale el detector expuesto directamente a la luz solar o cerca de fuentes de calor (fig. 1).

### Instalación

Abrir la cubierta (fig.2)

### Procedimiento De Montaje

#### Sin dispositivo de montaje giratorio:

Abrir los agujeros pre-marcados para los tornillos de montaje y la entrada de cables

CE – entrada de cables

MS - tornillos de montaje (fig. 3)

Insertar los cables y fijar la base en su lugar (fig. 4)

#### Con dispositivo de montaje giratorio:

Abrir los agujeros pre-marcados para los tornillos de montaje y la entrada de cables (fig. 5)

Fijar la base del detector al dispositivo de montaje giratorio (fig. 6)

Insertar los cables en el detector (fig. 7)

Atornillar el dispositivo de montaje giratorio a la pared o al techo (fig. 8)

### Conexiones

**12 VDC:** Entrada de fuente de alimentación

**ALARM:** conmutador de Forma A (N.C.) relé

**TAMPER:** conmutador de Forma A (N.C.) relé

Sellar los agujeros (fig. 9)

### Ajuste De La Tarjeta

Aflojar los tornillos sujetadores de la tarjeta. (fig. 10)  
Ajustar la posición de la tarjeta de acuerdo a la lente utilizada

#### Lente gran angular:

Altura: 2.5m (8.2 pies)

Tamaño de habitación: 3-6m (10-20 pies) (fig.10 a)

Tamaño de habitación: 6-15m (20-50 pies) (fig.10 b)

#### Lente de largo alcance:

Altura: 2.5m (8.2 pies)

Alcance: 18m (59 pies) (fig.10 b)

Alturas de montaje más altas que la típica (fig.10 c)

Alturas de montaje más bajas que la típica (fig.10 d)

## ITALIANO

### Descrizione Generale

Lo **Digital ZODIAC** comprende i modelli seguenti:

- ◆ **Digital ZODIAC PIR:** Infrarosso volumetrico per installazioni residenziali con un'ottima qualità di rivelazione e immunità ai falsi allarmi
- ◆ **Digital ZODIAC QUAD:** Rivelatore infrarosso Quad reale per installazioni residenziali con un'ottima qualità di rivelazione e immunità ai falsi allarmi in ambienti critici
- ◆ **Digital ZODIAC PET:** Rivelatore Infrarosso per installazioni residenziali immune ai piccoli animali

### Posizionamento

Considerazioni preliminari: non posizionate il rilevatore rivolto direttamente verso la luce del sole o in prossimità di fonti di calore (fig. 1)

### Installazione

Aprire il Coperchio (fig.2)

### Montaggio

**Senza snodo:**  
Aprire i fori predisposti per le viti di fissaggio e il passaggio cavi.

CE: Ingresso Cavo

MS: Viti di Fissaggio (fig. 3)

Inserire il cavo e fissare la base nel corretto posizionamento. (fig. 4)

#### Montaggio con snodo:

Premere sulle plastiche dei fori e rimuovere la plastica dai fori per l'inserimento del cavo. (fig. 5)

Fissare la base allo snodo (fig. 6)

Inserire il cavo nel sensore (fig. 7)

Fissare la base dello snodo sulla parete o sul soffitto. (fig. 8)

### Collegamenti dei Morsetti

**12VCC:** Ingresso alimentazione

**ALLARME:** Normalmente chiuso (libero da tensione)

**TAMPER:** Normalmente chiuso (libero da tensione)

sigillare i fori del passaggio cavi (fig. 9)

### Regolazione del Circuito Stampato

Posizionare il circuito secondo il tipo di lente che utilizzate. (fig. 10)

#### Grand'angolo:

Altezza: 2.5m

Dimensione della stanza: da 3 a 6m (fig.10 a)

Dimensione della stanza: da 6 a 15m (fig.10 b)

#### Lente per Portata Lunga:

Altezza: 2.5m

Portata: 18m (fig.10 b)

Posizionamento più alto dell'altezza normale di montaggio. (fig.10 c)

Posizionamento più basso dell'altezza normale di montaggio. (fig.10 d)

