



DigiSense

PET Digital Detector

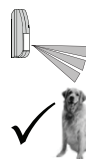
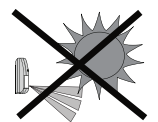
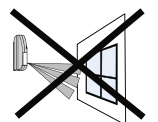
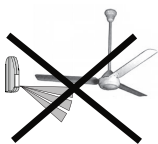
Model: RK412PT/RK412PTA

© RISCO Group 03/2024

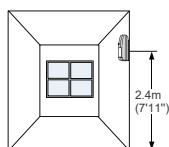
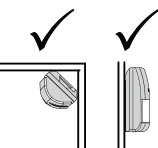
5IN2922 F

UKCA and CE EMC Compliance Statement
Hereby, RISCO Group declares that this equipment is in compliance with the essential requirements of the UKCA Electromagnetic Compatibility Regulations 2016 and CE Directive 2014/30/EU. For the UKCA and CE Declaration of Conformity please refer to our website: www.riscogroup.com

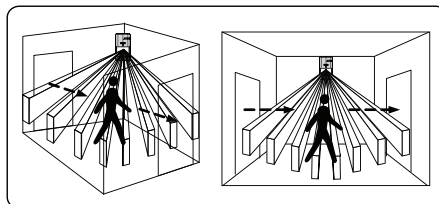
EN50131-2-2, G2, EC2, PD6662:2017
Certification Body: Aplica Test & Certification



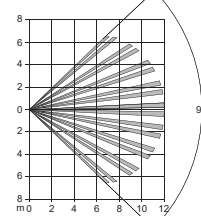
≤ 34kg (75lb)



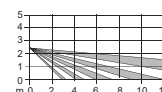
1



RK412PT/RK412PTA
Wide Angle Lens



Side View

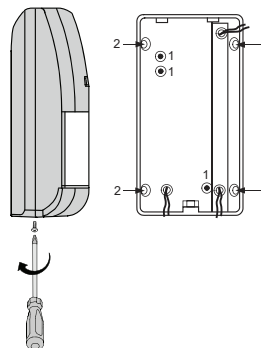


3 Terminal Wiring



EN Terminal Connection 12VDC: Power supply inputs - ALARM: NC Relay - TAMPER: NC Dry Contact switch	IT Collegamento dei Morsetti 12VDC: Ingresso alimentazione - ALARM: Relé N.C. - TAMPER: Relé di tamper NC libero da tensione
FR Connexion 12VDC : alimentation électrique - ALARM : Relais NF. - TAMPER : contact sec NF d'autoprotection	PR Terminais de Conexão 12VDC: Entrada de alimentação - ALARME: Relé N.F. - TAMPER: Relé de contato seco NF
SP Bornes de Conexión 12VDC: Entrada de alimentación - ALARM: Relé N.C. - TAMPER: Relé de Contacto Seco N.C.	PL Podłączenie 12VDC: Zasilanie czujki - ALARM: Przełącznik N.C. - TAMPER: Zaciski sabotażowe NC

2 Mounting



	1	2
EN	Wall mounting	Corner mounting
FR	Montage mural	Montage en coin
SP	Montaje en pared	Montaje en rincón
IT	Montaggio su parete piana	Montaggio ad angolo
PR	Montagem na parede	Montagem no canto
PL	Mocowanie do ściany	Mocowaniu narożnym

4 DIP Switch Settings



SW1: LED ON/OFF

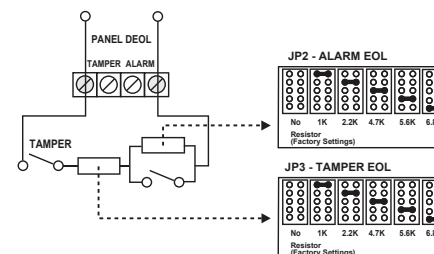
	ON	OFF
EN	LED Enable	LED Disable
FR	LED Activée	LED Désactivée
SP	LED Activado	LED Desactivado
IT	LED Attivato	LED Disattivato
PR	LED Ativado	LED Desativado
PL	LED Aktywna	LED Wyłączona

SW2: PIR Sensitivity

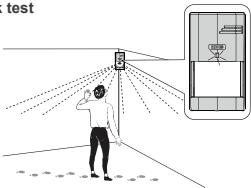
	ON	OFF
EN	High	Low
FR	Haut	Bas
SP	Alto	Bajo
IT	Alto	Basso
PR	Alto	Baixo
PL	Wysoki	Słaby

SW3, SW4: NOT USED

- 5 **EN** Schematic of EOL Resistors
FR Schéma pour Résistances EOL (résistances de fin de ligne)
SP Esquema de Resistencias de Final de Línea
IT Schema di collegamento delle resistenze EOL
PR Diagrama para resistor final de linha
PL Rezystory parametryczne (EOL)



6 Walk test



EN Walk Test
Two minutes after applying power (warm-up period), walk test the Detector over the entire protected area to verify proper operation of the unit.

FR Test de Marche
Deux minutes après avoir réalisé la mise sous tension (séquence d'initialisation), faites un test de marche pour vérifier l'efficacité du détecteur sur la totalité de la zone protégée.

SP Prueba de Detección
Dos minutos después de dar alimentación (periodo de calentamiento), realice la prueba de detección del Detector por toda el área protegida, a fin de verificar si la unidad está funcionando correctamente.

IT Prova Di Movimento
Dopo aver atteso un periodo di riscaldamento di 2/3 minuti dall'alimentazione, effettuare la prova di copertura del rivelatore. Muoversi all'interno dell'area da proteggere e verificare che l'unità si attivi correttamente.

PR Teste De Caminhada
Dois minutos depois ligar a alimentação (período de aquecimento), caminhe para testar o Detector através de toda a área protegida para verificar a correta operação da unidade.

PL Test
Przed rozpoczęciem testowania załóż pokrywę czujki. Włącz zasilanie czujki i odczekaj około 2 minuty, aby czujka ustabilizowała się. Przechodź po chronionej przestrzeni i obserwuj, czy dioda LED potwierdza prawidłowe działanie czujki na całym żądanym obszarze.

Ordering part number

Part / Model number	Description
RK412PT/RK412PTA	DigiSense PIR PET 12m

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.

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:

UK
Tel: 44-(0)-161-655-5500
E-mail: support-uk@riscogroup.com

ITALY
Tel: +39-02-66590054
E-mail: support-it@riscogroup.com

SPAIN
Tel: +34-91-490-2133
E-mail: support-es@riscogroup.com

FRANCE
Tel: +33-164-73-28-50
E-mail: support-fr@riscogroup.com

BELGIUM
Tel: +32-2522-7622
E-mail: support-be@riscogroup.com

CHINA (Shanghai)
Tel: +86-21-52-39-0066
E-mail: support-cn@riscogroup.com

ISRAEL
Tel: +972-3-963-7777
E-mail: support@riscogroup.com

LEDs Display

EN	FR	SP	IT	PR	PL
LED	Description	LED	Description	LED	Descrizione
RED	Indicates ALARM	ROUGE	Indique une alarme	ROJO	Indica ALARMA
				LED ROSSO	Indica l'allarme
				O LED VERMELHO	Indica alarme
				CZERWONY	Oznacza ALARM

EN Technical Specifications

	RK412PT/RK412PTA
Coverage	12m x 12m
Installation height	2.4-2.7m
Pet Immunity	34Kg
Operating voltage	9 to 16 VDC
Current consumption	8mA at 12V
Power output	14dBm Max.
Alarm and Tamper contacts	0.1A, 24V, NC
Optical filtering	White light protection, pigmented lens
Operating temperature	-10° to +55°C
Storage temperature	-20° to +60°C
Dimensions	106 x 60 x 47mm

FR Spécification techniques

	RK412PT/RK412PTA
Couverture	12m x 12m
Hauteur d'installation	2.4-2.7m
Immunité aux animaux	34Kg
Tension d'alimentation	9 à 16 VCC
Consommation électrique	8mA à 12V
Puissance de sortie	14 dBm Max.
Contacts d'alarme / d'autoprotection	0.1A, 24V, NC
Filtrage	Protection aux lumières blanches, lentilles pigmentées
Température de fonctionnement	-10° à +55°C
Température de stockage	-20° à +60°C
Dimensions	106 x 60 x 47mm

SP Especificaciones Técnicas

	RK412PT/RK412PTA
Cobertura	12m x 12m
Altura de Instalación	2.4 -2.7 m
Umbral Anti-Mascotas	34Kg
Voltaje	9 a 16 Vcc
Consumo de corriente	8mA a 12V
Salida de potencia	14dBm Max.
Contactos de Alarma y Tamper	0.1A, 24V, NC
Filtro óptico	Protección luz blanca, lente pigmentada
Temperatura de funcionamiento	-10° a +55°C
Temperatura de almacenamiento	-20° a +60°C
Dimensiones	106 x 60 x 47mm

IT Specifiche Tecniche

	RK412PT/RK412PTA
Copertura	12m x 12m
Altezza di Installazione	da 2.4 a 2.7m
Soglia immunità animali (Pet)	34Kg
Tensione nominale di alimentazione	da 9 a 16 Vcc
Assorbimento massimo di corrente	8mA a 12V
Potenza RF	14dBm Max.
Contatti d'allarme / tamper	0.1A, 24V, NC
Filtro Ottico	Lenti pigmentate, protezione luci bianche
Temperatura di funzionamento	da -10° a 55°C
Temperatura di stoccaggio	da -20° a 60°C
Dimensioni	106 x 60 x 47mm

PR Especificações Técnicas

	RK412PT/RK412PTA
Cobertura	12m x 12m
Altura de Instalação	2.4-2.7m
Limite de imunidade contra animais	34Kg
Tensão de operação	9 até 16 VDC
Consumo de corrente	8mA em 12V
Potência de saída	14dBm Max.
Contatos de alarme / Tamper	NC ,24V ,0.1A
Filtragem	Lentes pigmentadas para Proteção contra luz branca
Temperatura operacional	-10° to + 55°C
Temperatura de armazenamento	-20° to + 60°C
Dimensões	106 x 60 x 47mm

PL Specyfikacja Techniczna

	RK412PT/RK412PTA
Zasięg	12m x 12m
Wysokość instalacji	2.4-2.7m
Odporność na zwierzęta	34Kg
Zakres napięć zasilających	9 do 16 VDC
Podór prądu	8mA przy 12V
Moc wyjściowa	14dBm Max.
Zaciski ALARM i TAMPER	0.1A, 24V, NC
Filtr optyczny	Filtr światła białego, barwiona soczewka
Temperatura pracy	-10° to +55°C
Temperatura składowania	-20° to +60°C
Wymiary	106 x 60 x 47mm