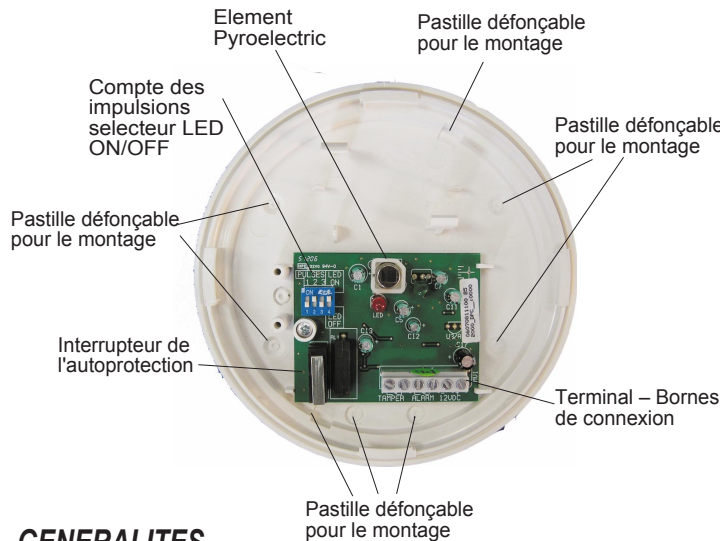


FIG. 1



GENERALITES

Constitué de composants à la pointe des technologies modernes, le détecteur plafond LUNAR PR 360° IRP assure un fonctionnement fiable sur un vaste éventail d'applications. Il dispose d'un grand angle 110° et d'une vue d'ensemble 360°. Le LUNAR PR s'appuie sur une technologie pyro-électrique à double élément et fournit un niveau supérieur de protection RFI/EMI. De plus, le LUNAR PR dispose d'une compensation thermique automatique.

PROCEDURE D'INSTALLATION

ETAP 1 CONSIDERATIONS PRELIMINAIRES

Avant de procéder à l'installation, étudiez soigneusement l'espace à protéger afin de choisir l'emplacement idéal qui permettra au LUNAR PR d'assurer la meilleure couverture de détection possible. Cet appareil est en principe conçu pour être placé au-dessus du centre de la zone à protéger. La lentille incorporée dans le LUNAR PR couvre des secteurs de détection (faisceaux) organisés sur trois niveaux panoramiques, le niveau extérieur comprenant 12 secteurs, l'intermédiaire avec 12 secteurs et l'intérieur avec 6 secteurs. Cette disposition vous garantit la meilleure couverture possible de la zone. Cf. schéma en fig. 4. L'appareil ne doit pas être monté en exposition directe face à la lumière du soleil ou autres sources de lumière ni à proximité de sources de chaleur (par ex. au-dessus d'un four, d'un radiateur, etc.). Les zones de détection doivent être dirigées vers le sol, et non pas vers une fenêtre ni vers des rideaux ou autres.

ETAP 2 RETRAIT DU COUVERCLE FRONTAL

Maintenez l'appareil, la base au creux de votre main, et tournez le couvercle dans le sens des aiguilles d'une montre pour l'ouvrir comme l'indique le schéma en fig. 2. Le mouvement de rotation libérera les 4 loquets qui bloquent le couvercle contre la base de l'appareil.



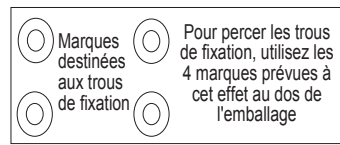
FIG. 2

ETAP 3 OUVERTURE DES TROUS DE MONTAGE ET DE PASSAGE DES CABLES

L'appareil présente des pastilles pré défoncées pour le montage et le câblage. Percez les pastilles dont l'ouverture est nécessaire au bon déroulement de l'installation.

ETAP 4 MONTAGE

Insérez le câble à travers le trou que vous avez ouvert à cet effet et placez la partie inférieure dans sa position définitive. Colmatez l'orifice de passage du câble et tout autre ouverture avec un mastic adapté (RTV ou équivalent).



ETAP 5 CABLAGE DES BORNES DE CONNEXION

La connexion des câbles au bloc des bornes situé sur la partie inférieure droite de la carte PCB doit être réalisée comme suit.

TERMINAL	DESCRIPTION
(-) (+) 12 VCC	Tension CC (9 à 16 VCC).
N.F.	Contacts d'alarme normalement fermés.
Autoprotection (TAMPER)	Circuit de protection anti-sabotage.

REMARQUES : Assurez-vous de bien remettre le couvercle après avoir effectué le montage et le câblage. Ne faites aucune vérification ni test du détecteur sans avoir auparavant bien fermé le couvercle.

ETAP 6 TEST DE PASSAGE A PIED

Le micro interrupteur DIP situé sur le côté gauche de la carte PCB se compose de deux parties : "PULSES" et "LED". Positionner la partie impulsions "PULSES" sur "1" et tournez la partie "LED" sur position Marche ("ON"). Si le LUNAR PR est fermé et sous tension, la diode LED s'allume chaque fois que se produit une détection, de sorte que le fonctionnement de l'appareil peut être contrôlé. Après le test de passage à pied, placer le réglage de la diode LED sur Arrêt ("OFF"). A présent, le détecteur fonctionne normalement, mais la diode LED ne s'allume pas lorsque se produit une détection et l'intrus se rend compte qu'il a été repéré.

ETAP 7 REGLAGE DU COMPTE DES IMPULSIONS

Comme détaillé à l'étape 6, le micro interrupteur DIP se compose de deux parties : "PULSES" et "LED". Le nombre d'impulsions requis pour activer l'alarme peut être réglé sur "1", "2" ou "3".

REMARQUE : un seul bouton doit être réglé sur la position Marche ("ON").

CARACTERISTIQUES OPTIQUES

Ce chapitre décrit les caractéristiques de la lentille Fresnel du Groupe RISCO incorporée au LUNAR PR.

FIG. 3

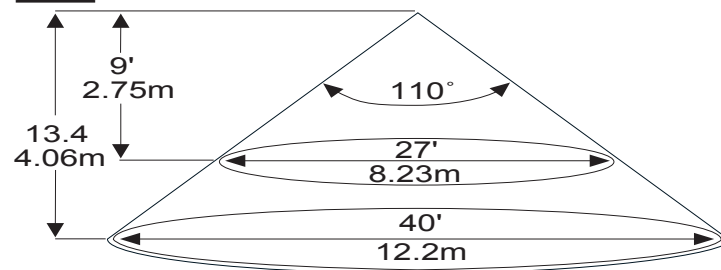
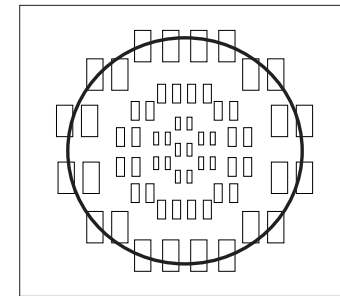


FIG. 4



Vue d'en haut

SPECIFICATIONS

ELECTRIQUES :
Technologies de détection : à double élément PIR
Consommation électrique : 15 mA à 12 VDC
Tension d'alimentation : 9-15 VDC régulé
Contact d'alarme : 24 VDC, 50 mA
Autoprotection (anti-sabotage) : normalement fermé, 24 VDC, 0.5 A réglable 1-3
Compensation thermique : Thermistor
Immunité RF : 30 V/m et jusqu'à 1 GHz
Test de passage à pied : 1 diode LED

OPTIQUES :
Lentille : Fresnel sphérique grand angle
Couverture : angle 110°, vue d'ensemble 360°
Zones de détection : 3 niveaux optiques, 12 secteurs extérieurs, 12 secteurs intermédiaires, 6 secteurs internes

PHYSIQUES :
Poids : 112G (4 Oz)
Dimensions : Ø 135x27 mm

ENVIRONNEMENTALES :
Température de fonctionnement : de 0° C à 55° C (32° F à 131° F)
Température de stockage : de -20° C à 60° C (-4° F à 140° F)

Dans le but de poursuivre l'amélioration de son produit, Groupe de RISCO se réserve le droit d'en modifier les spécifications et/ ou les schémas de conception sans avis préalable.

LUNAR PR

360° CEILING MOUNT PASSIVE INFRARED DETECTOR



Creating Security Solutions With Care.

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-6-

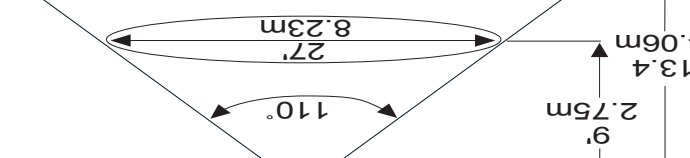
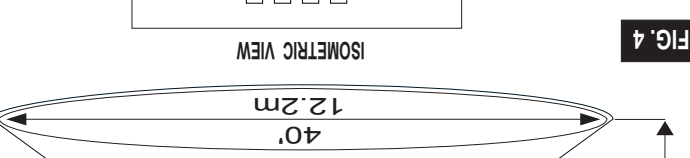
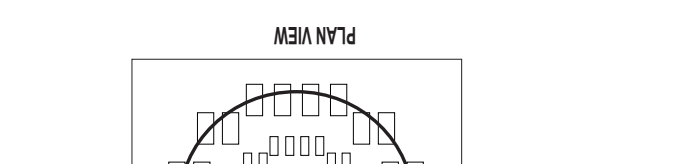
specifications are subject to change without prior notice. SHOULD ANY QUESTIONS ARISE PLEASE CONTACT YOUR SUPPLIER.

ENVIRONMENTAL:
Operating temperature: 0° C to 55° C (32° F to 131° F)
Storage temperature: -20° C to 60° C (-4° F to 140° F)

SPECIFICATIONS
ELECTRICAL:
Dual element PIR 15 mA at 12 VDC
Current consumption: 9-16 VDC regulated
Supply voltage: 24 VDC, 50 mA
Alarm contact: Normally closed, 24 VDC, 0.5 A
Anti-tamper: Selectable 1-3
Pulse count: Thermistor
Temperature compensation: 30V/m up to 1 GHz
Walk test: 1 LED
OPTICAL:
Lens: Wide angle spherical Fresnel
Coverage: 110° angle, 360° overview
3 optical levels, 12 external sectors, 12 middle sectors, 6 internal sectors. Detection Zones:
Size: 112 G (4Oz)
Ø 135x27 mm
Weight:
No employee or representative of Seller is authorized to change this warranty in any way or grant any other warranty.

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-5-



OPTICAL FEATURES
The following is a description of features of RISCO GROUP'S Fresnel lens fitted in LUNAR PR

-10-

-4-

NOTE: Only one switch should be set at ON position.

STEP 7 SETTING THE PULSE COUNT
As described in step 6, the DIP-switch is divided into two sections, "PULSES" and "LED". The number of pulses needed to activate the alarm can be set to "1", "2" or "3".

STEP 6 WALK TEST
The DIP switch on the left side of PCB board is divided into two sections: "PULSES" and "LED". Set the "PULSES" to "1" and switch the LUNAR PR closed and powered in the setting, the LAD will light each time detection occurs, so operation can be checked. After walk testing, the LED setting may be switched to "OFF". Now the detector will work normally, but the LED will not light when detection occurs and the intruder will notice being detected.

STEP 5 TERMINAL WIRING
The following wire connection should be made to the terminal strip located at the right lower part of the PCB board.

TERMINAL	DESCRIPTION
(-) (+) 12 VDC	DC Voltage (9 to 16 VDC).
N.C.	Normally closed alarm contacts.
TAMPER	Anti-tamper circuit.

-11-

-3-

NOTE: Ensure that cover is installed after mounting and wiring. Do not check or test detector without cover closed.

STEP 4 MOUNTING
Insert the cable through the hole opening with a sealant (RTV or alike). Seal the cable hole and any other bottom part in its final location. You opened and mount the arrangement assures you the best coverage of the area. See The lens in LUNAR PR provides detection sectors (beams) arranged in three all-round optical levels, the external including 12 sectors and the internal 6 sectors. This center of the protected area. In order to decide on the location of the LUNAR PR for best coverage. This unit is usually designed to be installed above the curtains, windows etc.

STEP 3 OPENING, MOUNTING AND CABLE HOLE
The unit includes knockouts for mounting and wiring. Open the appropriate knockouts required the installation.

STEP 2 FRONTAL COVER REMOVAL
Hold the unit with its base in the palm of your hand and turn the cover clockwise to open, as illustrated in Fig. 2. The turning movement will release the 4 latches locking the cover to the base of the unit.

STEP 1 PRELIMINARY DECISIONS
Before installation you should study the space to be protected in order to decide on the location of the LUNAR PR for best coverage. This unit is usually designed to be installed above the curtains, windows etc. Detection sectors should be pointing towards the floor, not direct light or any heat source (i.e. above a stove, radiator etc.). The unit should not be mounted in direct sunlight or any other opening with a sealant (RTV or alike). Seal the cable hole and any other bottom part in its final location. You opened and mount the arrangement assures you the best coverage of the area. See The lens in LUNAR PR provides detection sectors (beams) arranged in three all-round optical levels, the external including 12 sectors and the internal 6 sectors. This center of the protected area. In order to decide on the location of the LUNAR PR for best coverage. This unit is usually designed to be installed above the curtains, windows etc.

-1-

-2-

GENERAL DESCRIPTION
The LUNAR PR 360° ceiling mount PIR is designed with state-of-the-art components to ensure reliable operation in a wide range of applications. It has a wide 110° angle, 360° overview. LUNAR PR uses a dual element pyroelectric technology and provides superior RFI/EMI protection. In addition, the LUNAR PR has automatic temperature compensation.

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FIG. 1

ENGLISH