



2-Way Wireless Security Module
Installation Instructions /
Ricevitore Radio Sicurezza
Bidirezionale Istruzioni per
l'installazione /
Instrucciones de instalación del
módulo de seguridad inalámbrico
bidireccional /
Instruccions d'instal·lació del
módulo de seguretat bidireccional
sans fil /
Instruções de instalação do módulo
de segurança bidireccional sem fio
Weg Draadloze Security Module
Installatiehandleiding

EN IT ES FR PR NL

Model: RP432EWS

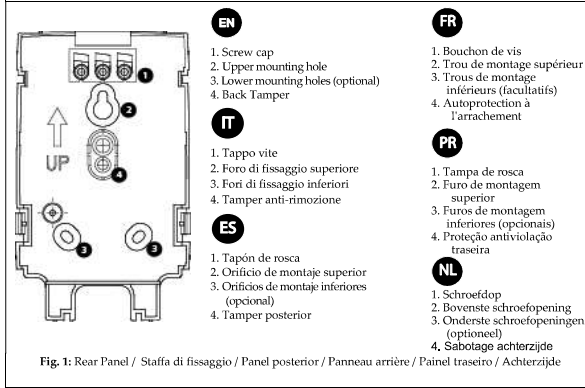


Fig. 1: Rear Panel / Staffa di fissaggio / Panel posterior / Panneau arrière / Painel trasero / Achterzijde

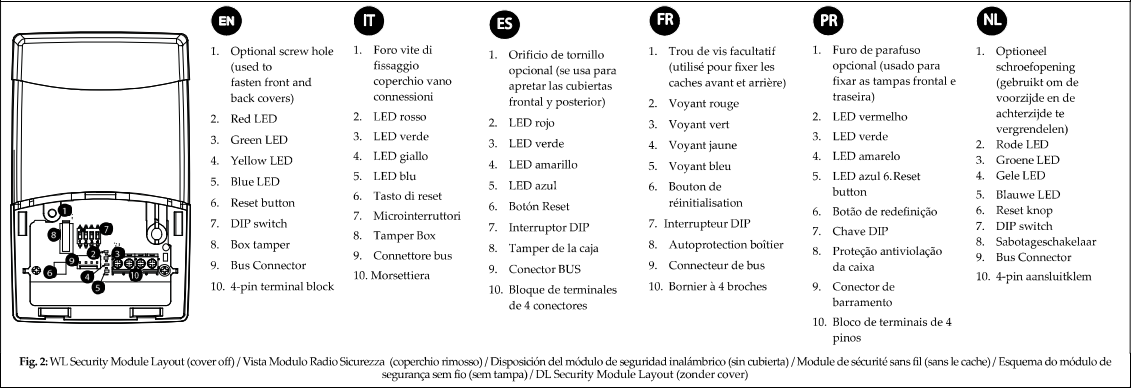


Fig. 2: WL Security Module Layout (cover off) / Vista Modulo Radio Sicurezza (coperchio rimosso) / Disposición del módulo de seguridad inalámbrico (sin cubierta) / Module de sécurité sans fil (sans le cache) / Esquema do módulo de segurança sem fio (sem tampa) / DL Security Module Layout (zonder cover)

EN

1. Description

The LightSYS / LightSYS Plus / ProSYS Plus 2-Way Wireless Security Module is a unit that is used as a wireless expander when connected to the LightSYS / LightSYS Plus / ProSYS Plus security panel.

Features Include

- Support for RISCO's range of wireless sounders, slim keypads, keyfobs and detectors
- Up to 4 2-Way wireless slim keypads
- Up to 4 sirens
- Up to 32 zones
- Up to 16 multi-function keyfobs
- Rolling code technology
- Signal jamming detection
- Threshold level calibration
- Back and front tamper detection
- Nominal center frequency: 433.92 MHz, 868.65 MHz
- Can be installed inside or outside the LightSYS / LightSYS Plus / ProSYS Plus main enclosure
- Up to 2 WL Security Modules per LightSYS system and up to 16 WL Security Modules per ProSYS Plus / ProSYS Plus system (up to 8 WL Security Modules per bus)

2. Installation

The WL Security Module can be mounted as a separate unit with its plastic housing or as a PCB inside the LightSYS / LightSYS Plus / ProSYS Plus main polycarbonate enclosure.

Step 1: Selecting the Mounting Location

- When installed in its plastic housing;
- Do not install the WL Security Module close to metal objects and RF generating devices such as TV sets or computers.

IT

1. Descrizione

Il ricevitore radio sicurezza bidirezionale per LightSYS / LightSYS Plus / ProSYS Plus, è un dispositivo utilizzato per espandere via radio i sistemi di sicurezza LightSYS / LightSYS Plus / ProSYS Plus.

Caratteristiche

- Supporta le sirene radio RISCO, le tastiere radio slim, i telecomandi e i rivelatori
- Fino a 4 tastiere radio slim
- Fino a 4 sirene radio
- Fino a 32 zone
- Fino a 16 telecomandi multifunzione
- Supporta i rivelatori monodirezionali (con n. seriale)
- Tecnologia Rolling code
- Rilevazione interferenza radio
- Calibrazione soglia di rumore RF
- Anti-rimozione e anti-apertura
- Frequenza nominale: 433.92 MHz, 868.65 MHz
- Può essere installato all'esterno o all'interno delle centrali LightSYS / LightSYS Plus / ProSYS Plus con contenitore plastico
- Fino a 16 ricevitori sicurezza collegabili a LightSYS Plus / ProSYS Plus (max. 8 per BUS) e 2 al sistema LightSYS

2. Installazione

Il modulo radio sicurezza può essere montato come unità separata, alloggiandolo nel suo apposito contenitore, oppure come scheda elettronica all'interno del contenitore plastico di una delle centrali compatibili.

Passo 1: Scelta del punto di installazione

- Se installato nel suo contenitore;
- Non installarlo in prossimità di oggetti metallici o dispositivi in grado di generare interferenze come, ad esempio, computer e apparecchi TV.
- Installarlo il modulo ad almeno 1.5 metri da terra.

EN

1. Screw cap
2. Upper mounting hole
3. Lower mounting holes (optional)
4. Back Tamper

IT

1. Tappo vite
2. Foro di fissaggio superiore
3. Fori di fissaggio inferiori (opzionali)
4. Tamper anti-rimozione

ES

1. Tapón de rosca
2. Orificio de montaje superior
3. Orificios de montaje inferiores (opcionales)
4. Tamper posterior

FR

1. Bouchon de vis
2. Trou de montage supérieur
3. Trous de montage inférieurs (facultatifs)
4. Autoprotection à l'arrachement

PR

1. Tampa de rosca
2. Furo de montagem superior
3. Furos de montagem inferiores (opcionais)
4. Proteção antiavolação traseira

NL

1. Schroefdop
2. Bovenste schroefopening
3. Onderste schroefopening (optioneel)
4. Sabotage achterzijde

- Mount the WL Security Module at a height of at least 1.5 m (5 ft) above the floor.
- Mount the WL Security Module relatively close and central to the transmitter locations.

Step 2: Mounting the Module (see Figure 1)

1. Separate the mounting bracket from the main unit.
2. Use the mounting bracket as a marking template.
3. Tear off screw caps, as needed for covering front screw hole.
4. Mount the bracket to the wall.

Step 3: Wiring the WL Security Module (see Figure 2)

Terminal (left to right)	Description
AUX RED	+13.8V power VDC. (in bus connection, connect to AUX on the LightSYS / LightSYS Plus / ProSYS Plus).
COM BLK	Black 0V common (in bus connection, connect to COM on the LightSYS / LightSYS Plus / ProSYS Plus)
BUS YEL	Data bus connection
BUS GRN	Data bus connection

Notes:

1. The maximum wire run permitted is 300 meters (1,000 feet) slow speed for the total bus wiring. For the required wiring gauge information, refer to the LightSYS / LightSYS Plus / ProSYS Plus Installer Manual, Appendix B.
2. When closing the cover use a screw cap located on the rear side to cover the closing screws.

3. DIP Switch Configuration

SW1 – SW3	Three switches to set ID of the WL Security Module
SW4	NA

- Posizionarlo relativamente vicino ai rivelatori radio trasmettenti e comunque in una posizione centrale rispetto a questi ultimi.

Passo 2: Installazione del modulo (vedere la Figura 1)

1. Separare la staffa di installazione a parete dal contenitore.
2. Usare la staffa di installazione a parete come dima per marcare i punti dei fori di fissaggio.
3. Strappare i cappucci delle viti secondo necessità per coprire il foro della vite anteriore.
4. Montare la staffa a parete.

Passo 3: Cablaggio Ricevitore Radio Sicurezza (vedere la Figura 2)

Morsetti (da sinistra a destra)	Descrizione
AUX RED	Alimentazione +13.8Vcc (connettere ad una alimentazione AUX delle centrali LightSYS / LightSYS Plus / ProSYS Plus).
COM BLK	Riferimento negativo comune di alimentazione 0V (collegare al negativo COM del BUS delle centrali LightSYS / LightSYS Plus / ProSYS Plus)
BUS YEL	Connessione dati bus
BUS GRN	Connessione dati bus

Note:

1. Per avere la massima stabilità del sistema è consigliabile NON superare la distanza massima di cablaggio di 300 metri calcolata sommando tutte le dimensioni del Bus di Espansione. Per informazioni sulla sezione del cavo da usare, fare riferimento al Manuale di installazione LightSYS / LightSYS Plus / ProSYS Plus, Appendice B
2. Una volta chiuso il coperchio utilizzare un tappo per le viti posto sulla base di fissaggio per coprire la vite di chiusura del coperchio.

3. Configurazione Microinterruttori

Mic. 1 – Mic. 3	Con questi tre microinterruttori si imposta il numero ID del ricevitore radio
SW4	Non usato

EN

1. Optional screw hole (used to fasten front and back covers)
2. Red LED
3. Green LED
4. Yellow LED
5. Blue LED
6. Reset button
7. DIP switch
8. Box tamper
9. Bus Connector
10. 4-pin terminal block

IT

1. Foro vite di fissaggio coperchio vano connessioni
2. LED rosso
3. LED verde
4. LED giallo
5. LED blu
6. Tasto di reset
7. Microinterruttori
8. Tamper Box
9. Connettor bus
10. Morsetteria

ES

1. Orificio de tornillo opcional (se usa para apretar las cubiertas frontal y posterior)
2. LED rojo
3. LED verde
4. LED amarillo
5. LED azul
6. Botón Reset
7. Interruptor DIP
8. Tamper de la caja
9. Conector BUS
10. Bloque de terminales de 4 conectores

FR

1. Trou de vis facultatif (utilisé pour fixer les caches avant et arrière)
2. Voyant rouge
3. Voyant vert
4. Voyant jaune
5. Voyant bleu
6. Bouton de réinitialisation
7. Interrupteur DIP
8. Autoprotection boîtier
9. Connecteur de bus
10. Bornier à 4 broches

PR

1. Furo de parafuso opcional (usado para fixar as lampas frontal e traseira)
2. LED vermelho
3. LED verde
4. LED amarelo
5. LED azul
6. Botão de redefinição
7. Chave DIP
8. Proteção antiavolação da caixa
9. Conector de barramento
10. Bloco de terminais de 4 pínos

NL

1. Optioneel schroefopening (gebruikt om de voorzijde en de achterzijde te vergrendelen)
2. Rode LED
3. Groene LED
4. Gele LED
5. Blauwe LED
6. Reset knop
7. DIP switch
8. Sabotageschakelaar
9. Bus Connector
10. 4-pin aansluitklem

4. LEDs Indication

LED	Description
All LEDs ON	WSE reset
All LEDs ON except for GREEN LED FLASH	WSE peripheral initialization
RED LED ON	BUS communication OK
RED LED BLINKS slow	In Prog Mode OR Bus Communication trouble
RED LED ON and GREEN LED FLASH	Communication via RF security channel
RED LED BLINKS fast	WSE in bootloader mode
YELLOW LED BLINKS fast	Security radio is in update mode

5. Programming steps in the LightSYS / LightSYS Plus / ProSYS Plus

The following instructions define the main programming steps to the LightSYS / LightSYS Plus / ProSYS Plus panel using the Wireless Security Module. Two WL Security Modules can be allocated to the LightSYS and Sixteen WL Security Modules can be allocated to the LightSYS Plus / ProSYS Plus.

1. Define the WL Security Module ID using switches [1]-[3]. The WL Security Module ID is set to 1 by default.
2. Allocate the WL Security Module to the system
 LightSYS / ProSYS Plus Programming menu – Quick key [7 > 1 > 2 > 05]
 (LightSYS Plus Programming menu – Quick key [7 > 1 > 2 > 1 > 05]
Note: If the WL Security Module is installed inside the LightSYS / LightSYS Plus / ProSYS Plus enclosure, the Bypass Tamper must be defined as Yes.
3. Calibrate the WL Security Module (Programming menu – Quick key [7 > 2 > 1])
4. Allocate wireless device (Programming menu – Quick key [7 > 2 > 2])

4. Indicazione dei LED

LED	Descrizione
Tutti i LED accesi	Reset Modulo WSE
Tutti i LED accesi ad eccezione del LED verde lampeggiante	Inizializzazione modulo WSE
LED rosso acceso	Comunic. BUS corretta
LED rosso lampeggiante lentamente	Modulo in programmazione oppure anomalia di comunicazione Bus
LED rosso acceso e LED verde lampeggiante	Comunicazione RF in corso sul canale sicurezza
LED rosso lampeggiante rapidamente	Modulo WSE in modalità "bootloader" (modalità tecnica automatica)
LED giallo lampeggiante rapidamente	Modulo radio sicurezza in aggiornamento

5. Passi di programmazione in LightSYS / LightSYS Plus / ProSYS Plus

Le istruzioni che seguono illustrano i passi principali della programmazione del Ricevitore Radio Sicurezza prendendo ad esempio il sistema LightSYS Plus.

1. Impostare l'ID del ricevitore tramite i microinterruttori [1]-[3]. Il modulo radio di fabbrica ha l'indirizzo 1 (Mic. 1-3 = OFF).
2. Aggiungere il modulo radio al sistema
 (Menu programmazione LightSYS / ProSYS Plus – Tasti rapidi [7 > 1 > 2 > 05])
 (Menu programmazione LightSYS Plus Pro – Tasti rapidi [7 > 1 > 2 > 1 > 05])
Note: Se il Modulo Radio Sicurezza è installato all'interno del contenitore della centrale LightSYS / LightSYS Plus / ProSYS Plus, la funzione "Escludi Tamper" deve essere abilitata.
3. Calibrare il Modulo Radio Sicurezza (Menu programmazione – Tasti rapidi [7 > 2 > 1])
4. Memorizzare i dispositivi radio (Menu di programmazione – Tasti rapidi [7 > 2 > 2])

5. Perform communication test between the expander and the device (Main menu > Maintenance > Wireless Test).
6. Set the WL device parameters (Zones: Quick key 2 > 1, Keyfobs – Quick key 8 > 2) and the output parameters (Quick Key 3).

6. Technical Specifications

Parameter	Description
Operating Voltage	13V +/- 10%
Current Consumption	Typical: 40 mA; max 65 mA
Power Output	868.65Mhz: 10mW (max)
RF Immunity	According to EN50130-4
Range (L.O.S)	300 meters
Operating temperature	-10°C to 55°C (14°F to 131°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Size	125.5 X 78 X 25.5 mm (4.94 X 3.07 X 1 inch)
Frequency	868.65 MHz, 433.92 MHz
Compliance	Complies with EN50131-3, EN50131-5-3 Grade2 Environmental Class II, PD 6662:2017

7. Ordering Information

RP432EWS800A	Wireless Security Module 868.65MHz
RP432EWS400A	Wireless Security Module 433.92MHz

5. Effettuare un test di comunicazione tra i dispositivi radio memorizzati e il Ricevitore Radio Sicurezza (Menu principale > Manutenzione > Test Acc. Radio).
6. Impostare i parametri di funzionamento degli accessori radio memorizzati (Menu di programmazione - Zone: Tasti rapidi 2 > 1, Telecomandi – Tasti rapidi 8 > 2)

6. Specifiche tecniche

Parametro	Descrizione
Alimentazione	13V +/- 10%
Absorbimento di corrente	Nominale: 40 mA; max 65 mA
Potenza RF	868.65Mhz: 10mW (max)
Immunità RF	Conforme alla EN50130-4
Portata radio (L.O.S)	300 metri
Temperatura di funzionamento	da -10°C a 55°C
Temperatura di stoccaggio	da -20°C a 60°C
Dimensioni	125.5 X 78 X 25.5 mm
Frequenza	868.65 MHz, 433.92 MHz
Conformità	EN50131-3, EN50131-5-3 Grado2 ambientale Classe II, PD 6662:2017

7. Informazioni per l'ordine

RP432EWS800A	Modulo Radio Sicurezza 868.92 MHz
RP432EWS400A	Modulo Radio Sicurezza 433.65 MHz

1. Descripción

El módulo de seguridad inalámbrico bidireccional LightSYS / LightSYS Plus / ProSYS Plus es una unidad que se utiliza como expansor inalámbrico cuando se conecta al panel de seguridad del LightSYS / LightSYS Plus / ProSYS Plus.

Funciones

- Soporte para la gama de sirenas inalámbricas, teclados Slim, mandos y detectores de RISCO
- Hasta 4 teclados Slim inalámbricos bidireccionales
- Hasta 4 sirenas
- Hasta 32 zonas
- Hasta 16 mandos multifunción
- Tecnología de código variable
- Detección de interferencias de señal
- Calibración del nivel del umbral
- Detección del tamper posterior y frontal
- Frecuencia central nominal: 433,92 MHz, 868,65 MHz
- Se puede instalar dentro o fuera del armario principal del LightSYS / LightSYS Plus / ProSYS Plus
- Hasta 2 módulos de seguridad inalámbricos por sistema LightSYS y 16 módulos de seguridad inalámbricos por sistema LightSYS Plus / ProSYS Plus (hasta 8 módulos de seguridad inalámbricos por bus)

2. Instalación

El módulo de seguridad inalámbrico puede montarse como una unidad independiente con su carcasa de plástico o como una placa de circuito impreso dentro del armario principal de policarbonato del LightSYS / LightSYS Plus / ProSYS Plus.

Paso 1: Selección de la ubicación de montaje

Si se instala en su caja de plástico:

- No instalar el módulo de seguridad inalámbrico cerca de objetos metálicos y dispositivos generadores de RF como ordenadores o televisores.
- Montar el módulo de seguridad inalámbrico a una altura mínima de 1,5 m del suelo.

- Montar el módulo de seguridad inalámbrico centrado y relativamente cerca de las ubicaciones de los transmisores.

Paso 2: Montaje del módulo (ver Figura 1)

1. Separar el soporte de montaje de la unidad principal.
2. Usar el soporte de montaje como plantilla de referencia.
3. Quitar los tapones de rosca si es necesario para cubrir el orificio del tornillo frontal.
4. Montar el soporte en la pared.



Paso 3: Cableado del módulo de seguridad inalámbrico (ver Figura 2)

Terminal (de izquierda a derecha)	Descripción
AUX RED	VCC de encendido de +13,8 V, (en conexión BUS, conectar a AUX en el LightSYS / LightSYS Plus / ProSYS Plus)
COM BLK	0 V común negro (en conexión BUS, conectar a COM en el LightSYS / LightSYS Plus / ProSYS Plus)
BUS YEL	Conexión del BUS de datos
BUS GRN	Conexión del BUS de datos

Notas:

1. El máximo recorrido de cable permitido es de 300 metros (velocidad lenta) para el total del cableado del BUS. Para obtener información sobre el cable de cableado necesario, consulte el Manual del instalador de LightSYS / LightSYS Plus / ProSYS Plus, Apéndice B.
2. Al cerrar la tapa, usar un tapón de rosca ubicado en la parte trasera para cubrir el tornillo de cierre.

3. Configuración de interruptores DIP

	SW1 – SW3	Tres interruptores para definir el ID del módulo de seguridad inalámbrico
	SW4	NA

1. Description

Le module de sécurité sans fil bidirectionnel LightSYS / LightSYS Plus / ProSYS Plus est utilisé comme extension sans fil lorsqu'il est connecté à la centrale LightSYS / LightSYS Plus / ProSYS Plus.

Principales fonctionnalités

- Prise en charge de la gamme complète de sirènes sans fil, claviers Slim, télécommandes et détecteurs RISCO
- Jusqu'à 4 claviers bidirectionnels
- Jusqu'à 4 sirènes
- Jusqu'à 32 zones
- Jusqu'à 16 télécommandes multifonctions
- Technologie à code tournant
- Détection des signaux de brouillage
- Étalonage du niveau seuil
- Détection d'autoprotection à l'ouverture et à l'arrachement
- Freqüence centrale nominale : 433,92 MHz, 868,65 MHz
- Installation possible à l'intérieur ou à l'extérieur du boîtier principal du système LightSYS / LightSYS Plus / ProSYS Plus
- Jusqu'à 2 modules de sécurité sans fil par système LightSYS et 16 modules de sécurité sans fil par système LightSYS Plus / ProSYS Plus (jusqu'à 8 modules de sécurité sans fil par bus)

2. Installation

Il est possible d'installer le module de sécurité sans fil comme une unité autonome avec son boîtier en plastique ou en tant que carte de circuit imprimé à l'intérieur du boîtier principal en polycarbonate du système LightSYS / LightSYS Plus / ProSYS Plus.

Étape 1 : Sélection de l'emplacement d'installation

Installation dans son boîtier en plastique :

- N'installez pas le module de sécurité sans fil à proximité d'objets métalliques ou d'appareils générant des radiofréquences, notamment des téléviseurs ou des ordinateurs.
- Installez le module de sécurité sans fil à au moins 1,5 m au-dessus du sol.

- Installez le module de sécurité sans fil à proximité de l'émetteur-récepteur, en le centrant le plus possible par rapport à celui-ci.

Étape 2 : Installation du module (voir Figure 1)

1. Séparez le support de montage de l'unité principale.
2. Utilisez le support de montage comme gabarit.
3. Retirez les bouchons à vis du trou de vis avant si nécessaire.
4. Montez le support au mur.



Étape 3 : Câblage du module de sécurité sans fil (voir Figure 2)

Borne (de gauche à droite)	Description
AUX RED	Alimentation +13,8 V c.c. (mode de connexion de bus, connexion à la borne AUX sur le système LightSYS / LightSYS Plus / ProSYS Plus).
COM BLK	Alimentation commune noire 0 V (mode de connexion de bus, connexion à la borne COM sur le système LightSYS / LightSYS Plus / ProSYS Plus.)
BUS YEL	Connexion du bus de données
BUS GRN	Connexion du bus de données

Remarques :

1. La longueur maximale de câble autorisée est de 300 mètres en vitesse lente pour la totalité du câblage bus. Pour obtenir des informations sur les câbles à utiliser, consultez l'annexe B du Manuel d'installation du système LightSYS / LightSYS Plus / ProSYS Plus.
2. Lorsque vous fermez le cache, utilisez le bouchon de vis situé sur le côté arrière pour couvrir la vis de fermeture.

3. Configuration de l'interrupteur DIP

	SW1 – SW3	Trois interrupteurs pour configurer l'ID du module de sécurité sans fil
	SW4	S.O.

4. Indications de los LED

LED	Descripción
Todos los LED encendidos	Restablecimiento del WSE
Todos los LED encendidos excepto LED VERDE INTERMITENTE	Inicialización periférica del WSE
LED ROJO ENCENDIDO	Comunicación del BUS OK
LED ROJO INTERMITENTE lento	En modo Prog o Problema de comunicación del bus
LED ROJO ENCENDIDO y LED VERDE INTERMITENTE	Comunicación a través del canal de seguridad de RF
LED ROJO INTERMITENTE rápido	WSE en modo gestor de arranque
LED AMARILLO INTERMITENTE rápido	Radio de seguridad en modo de actualización

5. Pasos de programación en LightSYS / LightSYS Plus / ProSYS Plus

Las siguientes instrucciones definen los principales pasos de programación en el panel LightSYS / LightSYS Plus / ProSYS Plus usando el módulo de seguridad inalámbrico. Se pueden asignar dos módulos de seguridad inalámbricos a LightSYS y dieciséis módulos de seguridad inalámbricos a LightSYS Plus / ProSYS Plus.

1. Definir el ID del módulo de seguridad inalámbrico con los interruptores [1]-[3]. El ID del módulo de seguridad inalámbrico es 1 por defecto.
2. Asignar el módulo de seguridad inalámbrico al sistema (LightSYS / ProSYS Plus menú Programación – Tecla rápida [7 > 1 > 2 > 05]) (LightSYS Plus menú Programación – Tecla rápida [7 > 1 > 2 > 1 > 05])
*Nota: si el módulo de seguridad inalámbrico se instala dentro del armario de LightSYS / LightSYS Plus / ProSYS Plus, será preciso definir la opción **Ampliación del tamper** como Sí.*
3. Calibrar del módulo de seguridad inalámbrico (menú Programación – Tecla rápida [7 > 2 > 1])
4. Asignar el dispositivo inalámbrico (menú Programación – Tecla rápida [7 > 2 > 2])

4. Indication des voyants

Voyant	Description
Tous les voyants sont allumés	Réinitialisation WSE
Tous les voyants sont allumés, sauf le voyant vert qui clignote	Initialisation du périphérique WSE
Le voyant rouge est allumé	Communication correcte avec le BUS
Le voyant rouge clignote lentement	Mode de programmation en cours OU erreur de communication avec le bus
Le voyant rouge est allumé et le voyant vert clignote	Communication via le canal de sécurité RF
Le voyant rouge clignote rapidement	WSE en mode de démarrage
Le voyant jaune clignote rapidement	La radio de sécurité est en mode de mise à jour

5. Étapes de programmation du système LightSYS / LightSYS Plus / ProSYS Plus

Les instructions suivantes définissent les principales étapes de programmation de la centrale LightSYS / LightSYS Plus / ProSYS Plus à l'aide du module de sécurité sans fil. Deux modules de sécurité sans fil peuvent être attribués au système LightSYS et seize modules de sécurité sans fil peuvent être attribués au système LightSYS Plus / ProSYS Plus.

1. Définissez l'ID du module de sécurité sans fil à l'aide des interrupteurs [1]-[3]. L'ID du module de sécurité sans fil est défini par défaut sur 1.
2. Allouez le module de sécurité sans fil au système (LightSYS / ProSYS Plus Menu Programmation - Touche rapide [7 > 1 > 2 > 05]) (LightSYS Plus Menu Programmation - Touche rapide [7 > 1 > 2 > 1 > 05])
*Remarque : si le module de sécurité sans fil est installé à l'intérieur du boîtier du système LightSYS / LightSYS Plus / ProSYS Plus l'option **Exclusion autoprotection** doit être définie sur **Out**.*
3. Étalonnez le module de sécurité sans fil (Menu de programmation - Touche rapide [7 > 2 > 1])
4. Allouez le périphérique sans fil (menu Programmation – Touche rapide [7 > 2 > 2]).
5. Effectuez un test de communication entre l'extension et le périphérique (Menu principal > Maintenance > Test sans fil).

5. Llevar a cabo un test de comunicación entre el expansor y el dispositivo (menú Principal > Mantenimiento > Test inalámbrico).
6. Definir los parámetros del dispositivo inalámbrico (Zonas: Tecla rápida 2 > 1, Mandos – Tecla rápida 8 > 2) y los parámetros de salida (Tecla rápida 3).

6. Especificaciones técnicas

Parámetro	Descripción
Voltaje de funcionamiento	13 V +/- 10 %
Consumo de corriente	Típico: 40 mA; máx. 65 mA
Salida de potencia	868,65 MHz; 10 mW (máx)
Inmunidad RF	Conforme a la normativa EN50130-4
Rango (L.O.S)	300 metros
Temperatura de funcionamiento	De -10 °C a 55 °C
Temperatura de almacenaje	De -20 °C a 60 °C
Dimensiones	125,5 x 78 x 25,5 mm
Frecuencia	868,65 MHz, 433,92 MHz
Cumplimiento	Cumple las normas EN50131-3, EN50131-5-3 Grade2 Clase medioambiental II, PD 6662:2017

7. Información para pedidos

RP432EWS800A	Módulo de seguridad inalámbrico 868,65 MHz
RP432EWS400A	Módulo de seguridad inalámbrico 433,92 MHz

6. Réglez les paramètres de l'appareil sans fil (Zones : Touche rapide 2 > 1, Télécommandes - Touche rapide 8 > 2) et les paramètres de sortie (Touche rapide 3).

6. Caractéristiques techniques

Paramètre	Description
Tension de fonctionnement	13 V +/- 10 %
Consommation électrique	Typique : 40 mA ; max. 65 mA
Puissance de sortie	868,65 MHz ; 10 mW (max)
Immunité RF	Conforme à la norme EN50130-4
Plage (L.O.S)	300 mètres
Température de fonctionnement	-10 °C à 55 °C
Température de stockage	-20 °C à 60 °C
Dimensions	125,5 x 78 x 25,5 mm
Freqüence	868,65 MHz, 433 MHz
Conformité	Conforme aux normes EN50131-3, EN50131-5-3 Grade 2 Classe environnementale II, PD 6662:2017

7. Informations de commande

RP432EWS800A	Module de sécurité sans fil 868,65 MHz
RP432EWS400A	Module de sécurité sans fil 433,92 MHz

PR

1. Descrição

O módulo de segurança bidirecional sem fio LightSYS / LightSYS Plus / ProSYS Plus é uma unidade usada como expansor sem fio quando conectado ao painel de segurança LightSYS / LightSYS Plus / ProSYS Plus.

Características

- Compatível com a linha de sirenes sem fio, teclados slim, controles remotos e detectores da RISCO
- Até 4 teclados slim sem fio bidirecionais
- Até 4 sirenes
- Até 32 zonas
- Até 16 controles remotos multifuncionais
- Tecnologia de código dinâmico
- Detecção de bloqueio de sinal
- Calibração do nível-limite
- Detecção de violação traseira e frontal
- Frequência central nominal: 433,92 MHz, 868,65 MHz
- Instalável dentro ou fora do gabinete principal do LightSYS / LightSYS Plus / ProSYS Plus
- Até 2 módulos de segurança sem fio por sistema LightSYS e 16 módulos de segurança sem fio por sistema LightSYS Plus / ProSYS Plus (até 8 módulos de segurança sem fio por barramento)

2. Instalação

O módulo de segurança sem fio pode ser instalado como uma unidade separada com sua caixa de plástico ou como PCB dentro do gabinete principal de policarbonato do LightSYS / LightSYS Plus / ProSYS Plus.

Passo 1: Seleção do local de instalação

Quando instalado na caixa de plástico:

- Não instale o módulo de segurança sem fio próximo a objetos de metal e dispositivos que geram radiofrequência, como televisores ou computadores.

- Instale o módulo de segurança sem fio a uma altura de pelo menos 1,5 m (5 pés) acima do chão.
- Instale o módulo de segurança sem fio relativamente próximo e centralizado em relação aos locais de transmissores.

Passo 2: Instalação do módulo (veja a Figura 1)

1. Separe o suporte de montagem da unidade principal.
2. Use o suporte de montagem como modelo de marcação.
3. Retire as tampas de rosca, conforme necessário, para cobrir o furo de parafuso frontal.
4. Instale o suporte na parede.

Passo 3: Cablagem do módulo de segurança sem fio (veja a Figura 2)

Terminal (da direita para a esquerda)	Descrição
AUX RED (vermelho auxiliar)	Alimentação de +13,8 V CC (na conexão de bus, conecte ao AUX [auxiliar] na LightSYS / LightSYS Plus / ProSYS Plus)
COM BLK (preto comum)	Preto comum de 0 V (na conexão de bus, conecte ao COM [comum] da LightSYS / LightSYS Plus / ProSYS Plus)
BUS YEL (amarelo do bus)	Conexão de dados do bus
BUS GRN (verde do bus)	Conexão de dados do bus

Notas:

1. A extensão máxima do fio permitida é de 300 metros (1.000 pés) em velocidade baixa para a função total do bus. Consulte o apêndice B do manual do instalador do LightSYS / LightSYS Plus / ProSYS Plus para obter as informações necessárias sobre o medidor de fiação.
2. Ao fechar a tampa, utilize uma tampa de resca localizada na parte traseira para cobrir o parafuso de fechamento.

3. Configuração das chaves DIP

CH1 – CH3	Três chaves para definir o ID do módulo de segurança sem fio
CH4	N/D

NL

1. Beschrijving

De LightSYS / LightSYS Plus / ProSYS Plus 2-Weg draadloze Security Module is een module die gebruikt wordt al seen draadloze uitbreiding wanneer deze gebkoppeld is aan een LightSYS / LightSYS Plus / ProSYS Plus paneel.

Functies zijn

- Ondersteuning voor RISCO's gamma van draadloze sirenes, slim keypads, afstandsbedieningen en detectoren
- Max. 4-2-Weg draadloze slim keypads
- Max. 4 sirenes
- Max. 32 zones
- Max. 16 multi-funcionele afstandsbedieningen
- Rolling code technologie
- Detectie tegen jamming
- Calibratie van de grenswaarden
- Sabotage detectie (voor- en achterzijde)
- Nominale center frequentie: 433,92 MHz, 868,65 MHz
- Kan geïnstalleerd worden binnen of buiten de LightSYS / LightSYS Plus / ProSYS Plus behuizing
- Max. 16 DL Security Modules per LightSYS / LightSYS Plus / ProSYS Plus system (Max. 8 DL Security Modules per bus)

2. Installatie

De DL Video uitbreiding kan geïnstalleerd worden als een aparte unit met de plastic behuizing of als PCB in de LightSYS / LightSYS Plus / ProSYS Plus polycarbonaat behuizing.

Stap 1: Bepalen van de installatielocatie

Bij installatie in de plastic behuizing:

- Installeer de DL uitbreiding niet dichtbij metalen objecten en apparaten die een RF-sigitaal genereren zoals TV's of computers.
- Installeer de DL uitbreiding op een minimum hoogte van 1,5 m (5 ft) tov de vloer.
- Installeer de DL uitbreiding zo dicht mogelijk tegen en centraal van de zenders.

Stap 2: Installeren van de uitbreiding (zie figuur 1)

1. Ontkoppel de achterplaat van de hoofdprint.
2. Gebruik de achterplaat als sjabloon voor de gaten.
3. Breek de schroefprijos los, welke u kan gebruiken om de schroefgaten te bedekken.
4. Installeer de achterplaat op de muur.

Stap 3: Aansluiten van de DL uitbreiding (zie figuur 2)

Aansluitklem (links naar rechts)	Beschrijving
AUX RED	+13,8V voeding VDC, (bij een bus verbinding aansluiten op de AUX van de LightSYS / LightSYS Plus / ProSYS Plus).
COM BLK	Zwart 0V common (Bij een bus connectie aansluiten op de COM van de LightSYS / LightSYS Plus / ProSYS Plus)
BUS YEL	Data bus connectie
BUS GRN	Data bus connectie

Opmerkingen:

1. De maximale draadlengte welke toegelaten is, 300 meter (1.000 feet) voor trage snelheid voor de totale buslengte. Voor de aanbevolen draaddikte, gelieve LightSYS / LightSYS Plus / ProSYS Plus handleiding te raadplegen, Appendix B.
2. Bij het sluiten van de cover gebruikt u de schroefloop welke zich op de achterzijde bevindt om de afsluitstroef te bedekken.

3. DIP Switch Configuratie



SW1 – SW3	Drie switches om het ID van de DL Security Module in te stellen
SW4	NA

4. Indicação dos LEDs

LED	Descrição
Todos os LEDs ACESOS	Redefinição do WSE
Todos os LEDs ACESOS, exceto LED VERDE A PISCAR	Inicialização de periférico do WSE
LED VERMELHO ACESO	Comunicação normal no BUS
LED VERMELHO A PISCAR	Em modo de programação ou problema de comunicação no bus
LED VERMELHO ACESO e LED VERDE A PISCAR	Comunicação via canal de segurança de RF
LED VERMELHO A PISCAR rápido	WSE em modo de carregador de inicialização
LED AMARELO A PISCAR rápido	Rádio de segurança em modo de atualização

5. Etapas de programação no LightSYS / LightSYS Plus / ProSYS Plus

As instruções a seguir indicam as principais etapas de programação do painel LightSYS / LightSYS Plus / ProSYS Plus usando o módulo de segurança sem fio. É possível alocar 2 módulos de segurança sem fio para o LightSYS e 16 módulos de segurança sem fio para o LightSYS Plus / ProSYS Plus.

1. Defina o ID do módulo de segurança sem fio usando as chaves [1] a [3]. Por padrão, o ID do módulo de segurança é definido como 1.
2. Atribua o módulo de segurança sem fio ao sistema (LightSYS / ProSYS Plus Programming menu [Menu de programação] – Teclas rápidas [7 > 1 > 2 > 05]). (LightSYS Plus Programming menu [Menu de programação] – Teclas rápidas [7 > 1 > 2 > 1 > 05]).

Observação: se o módulo de segurança sem fio estiver instalado dentro do gabinete do LightSYS / LightSYS Plus / ProSYS Plus, a opção **Bypass Tamper** (Ignorar violação) deve ser definida como Yes (Sim).

3. Calibre o módulo de segurança sem fio (Programming menu [Menu de programação] – Teclas rápidas [7 > 2 > 1]).

4. LED's indicatie

LED	Beschrijving
Alle LEDs AAN	WSE reset
Alle LEDs AAN behalve GROENE LED KNIPPERT	WSE peripheral initializatie
RODE LED AAN	BUS communicatie OK
RODE LED knippert traag	In Prog Mode Of Bus Communicatiefout
RODE LED AAN en GROENE LED KNIPPERT	Communicatie via RF security kanaal
RODE LED KNIPPERT snel	WSE in bootloader mode
GELE LED KNIPPERT snel	Security radio is in update mode

5. Programmeersteps in de LightSYS / LightSYS Plus / ProSYS Plus

De volgende instructies beschrijven de hoofdstappen voor de programmering bij het LightSYS / LightSYS Plus / ProSYS Plus paneel bij gebruik van de draadloze uitbreiding. Twee uitbreidingen kunnen aangeleerd worden op de LightSYS goud zestien uitbreidingen kunnen aangeleerd worden op de LightSYS Plus / ProSYS Plus.

1. Stel de DL Security Module ID in door gebruikt te maken van de switches [1]-[3]. De DL Security Module ID is standaard ingesteld op 1.
 2. Aanleren van de DL Security Module aan het systeem (LightSYS / ProSYS Plus Programmeermenu – Sneltoets [7 > 1 > 2 > 05]) (LightSYS Plus Programmeermenu – Sneltoets [7 > 1 > 2 > 1 > 05])
- Opmerking:* Wanneer de DL Video uitbreiding in de behuizing geïnstalleerd wordt dient de **u de Sabotage overbrugging** in te stellen als **Ja**.
3. Kalibreer de DL Security Module (Programmeermenu – Sneltoets [7 > 2 > 1])
 4. Aanleren draadloos apparaat (Programmeermenu – Sneltoets [7 > 2 > 2])
 5. Voer een communicatietest uit tussen de uitbreiding en het apparaat (Hoofdmenu > Onderhoud > Draadloze Test).
 6. Stel de DL apparaat parameters in (Zones: Sneltoets 2 > 1, Afstandsbedieningen – Sneltoets 8 > 2) en de parameters voor uitgangen (Sneltoets 3).

4. Atribua o dispositivo sem fio (Programming menu [Menu de programação] – Teclas rápidas [7 > 2 > 2]).
5. Execute o teste de comunicação entre o expansor e o dispositivo (Main menu [Menu principal] > Maintenance [Manutenção] > Wireless Test [Teste sem fio]).
6. Defina os parâmetros do dispositivo sem fio (Zones [Zonas]: Teclas rápidas 2 > 1, Keyfobs [Controles remotos] – Teclas rápidas 8 > 2) e os parâmetros de saída (tecla rápida 3).

6. Especificações técnicas

Parâmetro	Descrição
Tensão de operação	13 V +/- 10%
Consumo de corrente	Típica: 40 mA; máx.: 65 mA
Potência de saída	868,65 MHz: 10 mW (máx.)
Imunidade a RF	Em conformidade com a EN50130-4
Alcance (linha de visão)	300 metros
Temperatura de funcionamento	-10 °C a 55 °C (14 °F a 131 °F)
Temperatura de armazenamento	-20 °C a 60 °C (-4 °F a 140 °F)
Tamanho	125,5 X 78 X 25,5 mm (4,94 X 3,07 X 1 pol.)
Frequência	868,65 MHz, 433 MHz
Conformidade	Em conformidade com a EN50131-3, EN50131-5-3 de grau 2, classe ambiental II, PD 6662:2017

7. Informações sobre pedidos

RP432EWS800A	Módulo de segurança sem fio de 868 MHz
RP432EWS400A	Módulo de segurança sem fio de 433,92 MHz

6. Technische specificaties

Parameter	Beschrijving
Bedrijfsspanning	13V +/- 10%
stroomverbruik	Typisch: 40 mA; max 65 mA
Vermogen	868,65MHz:10mW (max)
RF Immuniteit	Volgens EN50130-4
Bereik (L.O.S)	300 meter
Werkings temperatuur	-10°C tot 55°C (14°F tot 131°F)
Opslagtemperatuur	-20°C tot 60°C (-4°F tot 140°F)
Afmetingen	125,5 X 78 X 25,5 mm (4,94 X 3,07 x 1 inch)
Frequentie	868,65 MHz, 433,92 MHz
Overeenstemming	Voldoet aan EN50131-3, EN50131-5-3 Graad2 Omgevingsklasse II, PD 6662:2017

7. Bestelinformatie

RP432EWS800A	Draadloze Security Module 868MHz
RP432EWS400A	Draadloze Security Module 433,92MHz

UKCA and CE RED Compliance Statement

Hereby, RISCO Group declares that this equipment is in compliance with the essential requirements of the UKCA Radio Equipment Regulations 2017 and CE Directive 2014/53/EU.

For the UKCA and CE Declaration of Conformity please refer to our website: www.riscogroup.com

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Complies with: EN50131-3, EN50131-5-3 Grade2 Environmental Class II, PD 6662:2017



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