



EN

2-Way Wireless Video Expander Installation Instructions

IT

Espansione radio per video verifica Manuale di Installazione

ES

Expansor de vídeo inalámbrico bidireccional Instrucciones de instalación

Model/Modello/ Modelo:: RP432EWW

EN

1. Description

The LightSYS Plus/ProSYS Plus 2-Way Wireless Video Expander is a unit that is used to enable the transmission of images from RISCO PIR camera detectors when connected to the LightSYS Plus/ProSYS Plus security panel.

Features Include

- Support for RISCO's range of wireless sounders, slim keypads, keyfobs and detectors
- Up to 2 2-Way wireless slim keypads
- Up to 2 WL Panda LightSYS Plus Keypads per WL Video Expander
- Up to 3 sirens
- Up to 4 2-Way Wireless Repeater per WL Video Expander
- Up to 32 zones (including PIR Cameras)
- Up to 16 multi-function keyfobs
- Rolling code technology
- Signal jamming detection
- Threshold level calibration
- Back and front tamper detection
- Nominal center frequency: 868.65 MHz (Security); 869.525 MHz (Video)
- Can be installed inside or outside the LightSYS Plus/ProSYS Plus main enclosure
- Up to 16 WL Video Expanders per LightSYS Plus/ProSYS Plus system (up to 8 WL Video Expanders per bus)
- Up to 32 PIR Cameras per LightSYS Plus/ProSYS Plus system (up to 8 PIR Cameras per WL Video Expander)
- VGA and QVGA image capture resolution
- Automatic bus speeds 9.6/38.4 Kbps

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

2. Installation

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

IMPORTANT! For fast images transfer, the WL Video Expander should be connected to Fast Bus, without connecting other BUS devices on this Fast Bus.

Step 1: Selecting the Mounting Location

- When installed in its plastic housing:
- Do not install the WL Video Expander close to metal objects and RF generating devices such as TV sets or computers.
 - Mount the WL Video Expander at a height of at least 1.5 m (5 ft) above the floor.
 - Mount the WL Video Expander relatively close and central to the transmitter locations.

Step 2: Mounting the Detector

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.

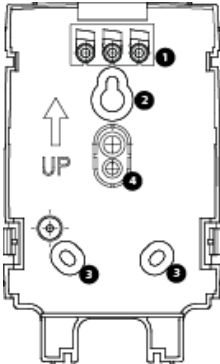
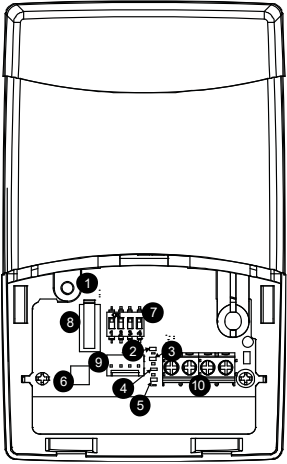


Figure 1: Rear Panel

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

Step 3: Wiring the WL Video Expander



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

Figure 2: WL Video Expander Layout (cover off)

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

Notes:

1. *The maximum wire run permitted is 100 meters (330 feet) fast speed or 300 meters (1,000 feet) slow speed for the total bus wiring. For the required wiring gauge information, refer to the 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 screw.*

3. DIP Switch Configuration



SW1 – SW3	Three switches to set ID of the WL Video Expander			
	ID	SW1 - 1	SW1 - 2	SW1 - 3
	1	Off	Off	Off
	2	On	Off	Off
	3	Off	On	Off
	4	On	On	Off
	5	Off	Off	On
	6	On	Off	On
	7	Off	On	On
	8	On	On	On
SW4	Must be set to OFF			

4. LEDs Indication

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

5. Programming steps in the LightSYS Plus/ProSYS Plus

The following instructions define the main programming steps to the LightSYS Plus/ProSYS Plus panel using the wireless Video Expander. Sixteen video expanders can be allocated to the LightSYS Plus/ProSYS Plus.

1. Define the Video Expander ID using switches [1]-[3]. The Video Expander ID is set to 1 by default.
2. Allocate the WL Video Expander to the system: Programming menu – Quick key in LightSYS Plus (from v.2.0) [7 > 1 > 2 > 1 > 05] / in ProSYS Plus [7 > 1 > 2 > 05].
Note: If the WL Video Expander is installed inside the LightSYS Plus/ProSYS Plus enclosure, the Bypass Tamper must be defined as Yes.
3. Calibrate the Video Expander (Programming menu – Quick key [7 > 2 > 1]
4. Allocate wireless device (Programming menu – Quick key [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	Security: 868.65Mhz:10mW (max) Camera: 869.525Mhz: 100mW (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, 869.525 MHz, 433 MHz, 916 MHz

7. Ordering Information

RP432EWW800B	Wireless Video Expander 868/869MHz
RP432EWW400A	Wireless Video Expander 433/916MHz

IT

1. Descrizione

L'espansione radio per video verifica è un accessorio che, connesso al BUS di LightSYS Plus/ProSYS Plus, permette la trasmissione degli scatti immagine eseguiti dai rivelatori PIR CAM.

Caratteristiche

- Supporto dei sistemi radio RISCO come sirene, tastiere slim, telecomandi e rivelatori sia mono che bidirezionali.
- Fino a 2 Tastiere radio slim
- Fino a 2 tastiere radio Panda LightSYS Plus per espansione radio video
- Fino a 3 sirene
- Fino a 4 ripetitori radio bidirezionali per espansione radio video
- Fino a 32 zone (incluso rivelatori Pir con fotocamera)
- Fino a 16 telecomandi multifunzione
- Tecnologia rolling code
- Rilevazione del tentativo di disturbo del segnale (jamming)
- Calibrazione della soglia di rumore
- Tamper anti-apertura ed anti-rimozione
- Frequenza operativa: 868.65 MHz (Sicurezza); 869.525 MHz (Video)
- Può essere installato all'interno o all'esterno del contenitore di LightSYS Plus/ProSYS Plus.
- Fino a 16 espansioni radio per video verifica per centrale (8 per BUS)
- Fino a 32 rivelatori Pir con fotocamera per centrale (8 per espansione)
- Risoluzione dei fotogrammi programmabili VGA o QVGA
- Velocità di comunicazione del BUS automatica 9.6/38.4 Kbps

2. Installazione

L'espansione radio per video verifica può essere installata esternamente, grazie al suo contenitore plastico in dotazione, oppure come sola scheda elettronica internamente al contenitore in polycarbonato della LightSYS Plus/ProSYS Plus.

IMPORTANT! Per un trasferimento immagini con velocità ottimale, l'espansione radio per video verifica deve essere collegata solo al Bus Veloce, senza collegare altri accessori Bus a questo Bus Veloce.

Passo 1: Scelta del luogo di installazione

Se l'espansione è installata nel suo contenitore plastico:

- Non installare l'espansione in prossimità di oggetti metallici e sorgenti di interferenza RF come TV o computer.
- Installare l'espansione ad almeno 1.5m di altezza da terra.
- Installare l'espansione quanto più centralmente possibile rispetto ai dispositivi che comunicheranno con essa.

Passo 2: Installazione del contenitore

1. Separare la staffa di fissaggio.
2. Utilizzare la staffa come dima per i fori.
3. Rimuovere i tappi delle viti.
4. Fissare la staffa a muro.

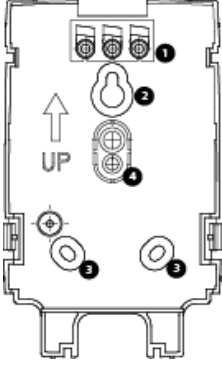
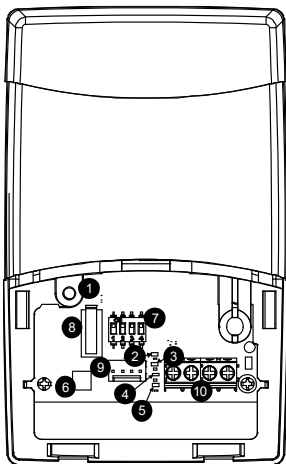


Figura 1: Staffa fissaggio

1. Tappi copertura vite
2. Foro alto di fissaggio
3. Fori bassi di fissaggio
4. Tamper anti-rimozione

Passo 3: Cablare l'espansione per video verifica



1. Vite opzionale (utilizzata per fissare il guscio frontale)
2. LED rosso
3. LED verde
4. LED giallo
5. LED blu
6. Pulsante reset
7. Microinterruttori
8. Tamper anti-apertura
9. Connettore BUS
10. Morsetti

Figura 2: espansione radio per video verifica

Morsetti (da sinistra a destra)	Descrizione
AUX RED	Alimentazione +13.8V VDC, (connettere alla alimentazione AUX di LightSYS Plus/ProSYS Plus)
COM BLK	Alimentazione 0V comune (connettere alla alimentazione COM di LightSYS Plus/ProSYS Plus)
BUS YEL	Connessione dati del BUS
BUS GRN	Connessione dati del BUS

Note:

1. *La distanza massima di cablaggio è 100 metri in modalità comunicazione veloce o 300 metri in comunicazione normale. Per maggiori informazioni su distanze massime e dimensionamento cavi fare riferimento all'Appendice B del manuale Tecnico di LightSYS Plus/ProSYS Plus.*
2. *Quando si chiude il contenitore utilizzare uno dei tappi vite posizionati sul retro per coprire la vite di chiusura.*

3. Microinterruttori



SW1 – SW3	Utilizzati per indirizzare l'espansione			
	ID	SW1 - 1	SW1 - 2	SW1 - 3
	1	Off	Off	Off
	2	On	Off	Off
	3	Off	On	Off
	4	On	On	Off
	5	Off	Off	On
	6	On	Off	On
	7	Off	On	On
	8	On	On	On
SW4	Deve essere impostato su OFF			

4. LED

LED	Descrizione
Tutti i LED Accesi	Reset espansione
Tutti i LED Accesi tranne il Verde lampeggiante	Inizializzazione espansione
LED Rosso acceso	Nessun problema di Com. Bus
LED Rosso lampeggia lentamente	Problemi di Com. Bus
LED Verde lampeggiante	Comunicazione radio in corso sulla sezione Sicurezza
LED Blu lampeggiante	Comunicazione radio in corso sulla sezione Video
LED Rosso lampeggia velocemente	Espansione in modalità Bootloader
LED Giallo lampeggia velocemente	Sezione radio Sicurezza in aggiornamento
LED Blu lampeggia velocemente	Sezione radio Video in aggiornamento

5. Programmazione su LightSYS Plus/ProSYS Plus

Le istruzioni seguenti illustrano i passaggi di programmazione principali di LightSYS Plus/ProSYS Plus. Possono essere programmate fino a 16 espansioni su una centrale.

1. Impostare il corretto indirizzo ID dell'espansione usando i microinterruttori [1]-[3].
L'indirizzo di default è 1.
2. Configurare l'espansione (Menu di programmazione tecnica – Tasti rapidi in LightSYS Plus (dalla v2.0) [7 > 1 > 2 > 1 > 05] / in ProSYS Plus [7 > 1 > 2 > 05]).

- Nota:** Se l'espansione è installata all'interno del contenitore della centrale, l'opzione **Escludi Tamper** deve essere impostata su **Sì**.*
- Calibrare l'espansione (Menu di programmazione tecnica – Tasti rapidi [7 > 2 > 1])
 - Memorizzare i dispositivi radio (Menu di programmazione tecnica – Tasti rapidi [7 > 2 > 2])
 - Eseguire un test di comunicazione tra i dispositivi e l'espansione radio (Menu Tecnico > Manutenzione > Test radio).
 - Impostare i parametri dei dispositivi (Zone: Tasti rapidi 2 > 1; Telecomandi: Tasti rapidi 8 > 2 Uscite: Tasti rapidi 3).

6. Specifiche Tecniche

Parametro	Descrizione
Alimentazione	13V +/- 10%
Assorbimento	Normale: 40 mA; max 65 mA
Potenza di trasmissione	Sicurezza: 868.65MHz., 10mW (max) Video: 869.525MHz., 100mW (max)
Immunità RF	Conforme alla EN50130-4
Portata RF	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
Frequenze operativa	868.65 MHz, 869.525 MHz, 433 MHz, 916 MHz

7. Informazioni per l'ordine

RP432EWW800B	Espansione radio per video verifica 868/869MHz
RP432EWW400A	Espansione radio per video verifica 433/916MHz

ES

1. Descripción

El Expansor de vídeo inalámbrico bidireccional de LightSYS Plus/ProSYS Plus es una unidad que se utiliza para la transmisión de imágenes desde detectores PIRCAM cuando se conecta al panel de seguridad LightSYS Plus/ProSYS Plus.

Funciones

- Soporte para la gama de sirenas inalámbricas, teclados slim, mandos y detectores de RISCO.
- Hasta 2 teclados Slim inalámbricos bidireccionales
- Hasta 2 teclados RF Panda LightSYS Plus por expansor de vídeo RF
- Hasta 3 sirenas
- Hasta 4 repetidores inalámbricos de 2 vías por expansor de video WL
- Hasta 32 zonas (incluidos PIRCams)
- Hasta 16 mandos multifunción
- Tecnología de código variable
- Detección de inhibición de señal
- Calibración del nivel del umbral
- Tamper posterior y frontal
- Frecuencia central nominal: 868,65 MHz (Seguridad); 869,525 MHz (Video)
- Se puede instalar dentro o fuera de la caja principal de LightSYS Plus/ProSYS Plus
- Hasta 16 expansores de vídeo inalámbricos por sistema LightSYS Plus/ProSYS Plus (hasta 8 expansores de vídeo inalámbricos por BUS)
- Hasta 32 PIRCams por sistema LightSYS Plus/ProSYS Plus (hasta 8 PIRCAMs por expansor)
- Resolución de captura de imágenes VGA y QVGA
- Velocidades de bus automáticas de 9,6/38,4 Kbps

2. Instalación

El Expansor de vídeo inalámbrico se puede montar como una unidad independiente con su caja de plástico o como una placa dentro de la caja principal de policarbonato del LightSYS Plus/ProSYS Plus.

IMPORTANTE Para una transferencia rápida de imágenes, el expansor de video debe conectarse al Fast Bus (3), sin conectar otros dispositivos BUS en este Fast Bus.

Paso 1: Selección de la ubicación de montaje

Si se instala en su caja de plástico:

- No instalar el Expansor de vídeo inalámbrico cerca de objetos metálicos y dispositivos generadores de RF como ordenadores o televisores.
- Montar el Expansor de vídeo inalámbrico a una altura mínima de 1,5 m del suelo.
- Montar el Expansor de vídeo inalámbrico centrado y relativamente cerca de las ubicaciones de los transmisores.

Paso 2: Montaje del detector

- Separar el soporte de montaje de la unidad principal.
- Usar el soporte de montaje como plantilla de referencia.
- Quitar los tapones de rosca del orificio del tornillo frontal si es necesario.
- Montar el soporte en la pared.

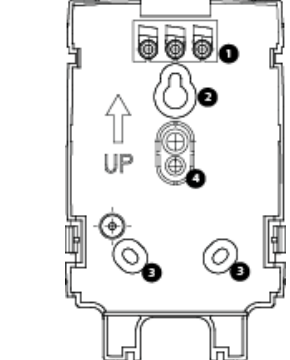
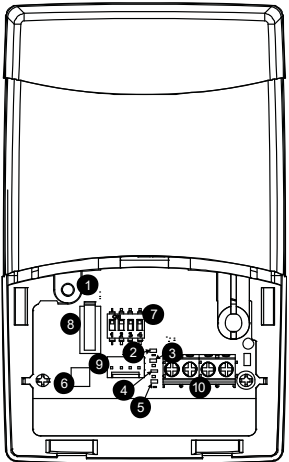


Figura 1: Panel posterior

Paso 3: Cableado del Expansor de vídeo inalámbrico



- Orificio de tornillo opcional (se usa para apretar las cubiertas frontal y posterior)
- LED rojo
- LED verde
- LED amarillo
- LED azul
- Botón de reset
- Interruptor DIP
- Tamper de la caja
- Conector BUS
- Bloque de terminales de 4 conectores

Figura 2: Expansor de vídeo inalámbrico (sin cubierta)

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

Notas:

- El máximo recorrido de cable permitido es de 100 metros (velocidad rápida) o 300 metros (velocidad lenta) para el total del cableado del BUS. Para más información sobre el calibre del cable a utilizar, vea Apéndice B del Manual de Instalador de LightSYS Plus/ProSYS Plus.
- 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 Expansor de vídeo inalámbrico			
	ID	SW1 - 1	SW1 - 2	SW1 - 3
	1	Off	Off	Off
	2	On	Off	Off
	3	Off	On	Off
	4	On	On	Off
	5	Off	Off	On
	6	On	Off	On
	7	Off	On	On
SW4	8	On	On	On
	Debe estar configurado en OFF			

4. Indicaciones de los LED

LED:	Descripción
Todos los LED encendidos	Reinicio del EVI
Todos los LED encendidos excepto LED VERDE INTERMITENTE	Inicialización periférica del EVI
LED ROJO ENCENDIDO	Comunicación Bus correcta

LED:	Descripción
LED ROJO INTERMITENTE lento	Problema de comunicación Bus
LED VERDE INTERMITENTE	Comunicación a través del canal RF de seguridad
LED AZUL INTERMITENTE	Comunicación a través del canal RF de vídeo
LED ROJO INTERMITENTE rápido	EVI en modo de arranque
LED AMARILLO INTERMITENTE rápido	Canal de radio de seguridad en modo de actualización
LED AZUL INTERMITENTE rápido	Canal de radio de vídeo en modo de actualización

5. Programación de pasos en el LightSYS Plus/ProSYS Plus

Las siguientes instrucciones definen los principales pasos de programación en el panel LightSYS Plus/ProSYS Plus usando el Expansor de vídeo inalámbrico. Es posible asignar 16 expansores de vídeo a LightSYS Plus/ProSYS Plus.

- Definir el ID del expansor de vídeo con los interruptores [1]-[3]. El ID del expansor de vídeo es 1 por defecto.
- Asignar el Expansor de vídeo inalámbrico al sistema: menú Programación – Tecla rápida LightSYS Plus (de v.2.0) [7 > 1 > 2 > 1 > 05] / menú Programación – Tecla rápida ProSYS Plus [7 > 1 > 2 > 05].
*Nota: si el Expansor de vídeo inalámbrico se instala dentro de la caja de LightSYS Plus/ProSYS Plus, será preciso definir la opción **Anulación del tamper** como **Sí**.*
- Calibrar el expansor de vídeo (menú Programación – Tecla rápida [7 > 2 > 1])
- Asignar el dispositivo inalámbrico (menú Programación – Tecla rápida [7 > 2 > 2])
- Llevar a cabo un test de comunicación entre el expansor y el dispositivo (menú Principal > Mantenimiento > Test inalámbrico).
- 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	Seguridad: 868,65 MHz: 10 mW (máx) Cámara: 869,525 MHz: 100 mW (máx)
Inmunidad RF	Conforme con 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, 869,525 MHz, 433 MHz, 916 MHz

7. Información para pedidos

RP432EWW800B	Expansor de vídeo inalámbrico 868/869MHz.
RP432EWW400A	Expansor de vídeo inalámbrico 433/916MHz

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

Dichiarazione di Conformità RED:

La sottoscritta RISCO Group, dichiara sotto la propria responsabilità che questo prodotto è conforme ai requisiti essenziali e alle altre rilevanti disposizioni della Direttiva Europea 2014/53/EU.

Per le Dichiarazioni di Conformità CE, visitate il nostro sito web: www.riscogroup.com

Declaración de Conformidad RED :

Por la presente, RISCO Group declara que este equipo cumple con los requisitos esenciales y otras disposiciones relevantes de la Directiva 2014/53/EU. Para la Declaración de Conformidad CE, por favor dirijase a nuestra web: www.riscogroup.com.

Standard Limited Product Warranty (“Limited Warranty”)

RISCO Ltd. (“**RISCO**”) guarantee RISCO's hardware products (“**Products**”) to be free from defects in materials and workmanship when used and stored under normal conditions and in accordance with the instructions for use supplied by RISCO, for a period of (i) 24 months from the date of delivery of the Product (the “**Warranty Period**”). This Limited Warranty covers the Product only within the country where the Product was originally purchased and only covers Products purchased as new.

Contact with customers only. This Limited Warranty is solely for the benefit of customers who purchased the Products directly from RISCO or from an authorized distributor of RISCO. RISCO does not warrant the Product to consumers and nothing in this Warranty obligates RISCO to accept Product returns directly from end users who purchased the Products for their own use from RISCO's customer or from any installer of RISCO, or otherwise provide warranty or other services to any such end user directly. RISCO's authorized distributor or installer shall handle all interactions with its end users in connection with this Limited Warranty. RISCO's authorized distributor or installer shall make no warranties, representations, guarantees or statements to its end users or other third parties that suggest that RISCO has any warranty or service obligation to, or any contractual privity with, any recipient of a Product.

Remedies. In the event that a material defect in a Product is discovered and reported to RISCO during the Warranty Period, RISCO shall accept return of the defective Product in accordance with the below RMA procedure and, at its option, either (i) repair or have repaired the defective Product, or (ii) provide a replacement product to the customer.

Return Material Authorization. In the event that you need to return your Product for repair or replacement, RISCO will provide you with a Return Merchandise Authorization Number (RMA#) as well as return instructions. Do not return your Product without prior approval from RISCO. Any Product returned without a valid, unique RMA# will be refused and returned to the sender at the sender's expense. The returned Product must be accompanied with a detailed description of the defect discovered (“**Defect Description**”) and must otherwise follow RISCO's then-current RMA procedure published in RISCO's website at www.riscogroup.com in

connection with any such return. If RISCO determines in its reasonable discretion that any Product returned by customer conforms to the applicable warranty (“**Non-Defective Product**”), RISCO will notify the customer of such determination and will return the applicable Product to customer at customer's expense. In addition, RISCO may propose and assess customer a charge for testing and examination of Non-Defective Product.

Entire Liability. The repair or replacement of Products in accordance with this Limited Warranty shall be RISCO's entire liability and customer's sole and exclusive remedy in case a material defect in a Product is discovered and reported as required herein. RISCO's obligation and this Limited Warranty are contingent upon the full payment by customer for such Product and upon a proven weekly testing and examination of the Product functionality.

Limitations. This Limited Warranty is the only warranty made by RISCO with respect to the Products. The warranty is not transferable to any third party. To the maximum extent permitted by applicable law, this Limited Warranty shall not apply and will be void if: (i) the conditions set forth above are not met (including, but not limited to, full payment by customer for the Product and a proven weekly testing and examination of the Product functionality); (ii) if the Products or any part or component thereof: (a) have been subjected to improper operation or installation; (b) have been subject to neglect, abuse, willful damage, abnormal working conditions, failure to follow RISCO's instructions (whether oral or in writing); (c) have been misused, altered, modified or repaired without RISCO's written approval or combined with, or installed on products, or equipment of the customer or of any third party; (d) have been damaged by any factor beyond RISCO's reasonable control such as, but not limited to, power failure, electric power surges, or unsuitable third party components and the interaction of software therewith or (e) any failure or delay in the performance of the Product attributable to any means of communication provided by any third party service provider, including, but not limited to, GSM interruptions, lack of or internet outage and/or telephony failure. BATTERIES ARE EXPLICITLY EXCLUDED FROM THE WARRANTY AND RISCO SHALL NOT BE HELD RESPONSIBLE OR LIABLE IN RELATION THERETO, AND THE ONLY WARRANTY APPLICABLE THERETO, IF ANY, IS THE BATTERY MANUFACTURER'S WARRANTY. RISCO does not install or integrate the Product in the end user's security system and is therefore not responsible for and cannot guarantee the performance of the end user's security system which uses the Product or which the Product is a component of. This Limited Warranty applies only to Products manufactured by or for RISCO. Further, this Limited Warranty does not apply to any software (including operating system) added to or provided with the Products or any third-party software, even if packaged or sold with the RISCO Product. Manufacturers, suppliers, or third parties other than RISCO may provide their own warranties, but RISCO, to the extent permitted by law and except as otherwise specifically set forth herein, provides its Products "AS IS". Software and applications distributed or made available by RISCO in conjunction with the Product (with or without the RISCO brand), including, but not limited to system software, as well as P2P services or any other service made available by RISCO in relation to the Product, are not covered under this Limited Warranty. Refer to the Terms of Service at: www.riscogroup.com/warranty for details of your rights and obligations with respect to the use of such applications, software or any service. RISCO does not represent that the 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. A properly installed and maintained alarm may only reduce the risk

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Contacting RISCO Group

RISCO Group is committed to customer service and product support. You can contact us through our website www.riscogroup.com or via the following:

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This RISCO product was purchased at:

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



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FR

Extension sans fil photo bidirectionnelle – Instructions d’installation

PR

Expansor de vídeo sem fios bidirecional Instruções de instalação

NL

2-Weg Draadloze Video uitbreiding Installatie Instructies

Modèle/Modelo/Model: RP432EWV

FR

1. Description

L’extension sans fil photo bidirectionnelle LightSYS Plus/ProSYS Plus est un matériel utilisé pour permettre la transmission d’images des détecteurs photo RISCO lorsqu’elle est connectée à une centrale de sécurité LightSYS Plus/ProSYS Plus.

Principales fonctionnalités

- Prise en charge des sirènes sans fil, claviers Slim, télécommandes et détecteurs RISCO.
- Jusqu’à 2 claviers Slim sans fil bidirectionnels
- Jusqu’à 3 sirènes
- Hasta 4 repetidores inalámbricos de 2 vías por expansor de video WL
- Jusqu’à 32 zones (Détecteurs Photo inclus)
- Jusqu’à 4 Répéteurs Bidirectionnel SF par Extension SF Photo
- Jusqu’à 16 télécommandes multifonctions
- Technologie à code tournant
- Détection de brouillage
- Calibrage du niveau seuil
- Détection d’autoprotection à l’ouverture et à l’arrachement
- Fréquence centrale nominale : 868.65 MHz (sécurité) ; 869.525 MHz (photo)
- Installation possible à l’intérieur ou à l’extérieur du boîtier principal LightSYS Plus/ProSYS Plus
- Jusqu’à 16 extensions sans fil photo par système LightSYS Plus/ProSYS Plus (jusqu’à 8 par Bus)
- Jusqu’à 32 détecteurs photo par système LightSYS Plus/ProSYS Plus (jusqu’à 8 détecteurs photo par extension sans fil photo)
- Résolutions des images VGA et QVGA
- Vitesses de bus automatiques de 9600/38400 bit/s

2. Installation

Il est possible d’installer l’extension sans fil photo comme matériel autonome avec son boîtier en plastique ou en tant que carte électronique à l’intérieur du boîtier principal en polycarbonate du système LightSYS Plus/ProSYS Plus.

IMPORTANT ! Pour un transfert rapide d’images, l’extension sans fil photo doit être connecté au Bus rapide, sans connecter d’autres périphériques BUS sur ce Bus rapide.

Étape 1 : Sélection de l’emplacement d’installation

Installation dans son boîtier en plastique :

- N’installez pas l’extension sans fil photo à proximité d’objets métalliques et d’appareils générant des radiofréquences, notamment des téléviseurs ou des ordinateurs.
- Installez l’extension sans fil photo à au moins 1,5 m au-dessus du sol.
- Installez l’extension sans fil photo à proximité de l’émetteur-récepteur et de manière relativement centrée par rapport à celui-ci.

Étape 2 : Installation de l’extension

5. Séparez le support de montage de l’unité principale.
6. Utilisez le support de montage comme gabarit.
7. Retirez les bouchons de vis avant si nécessaire.
8. Montez le support au mur.

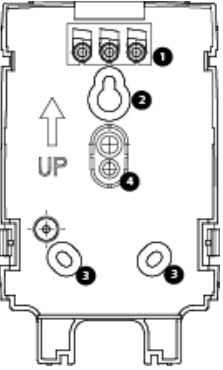
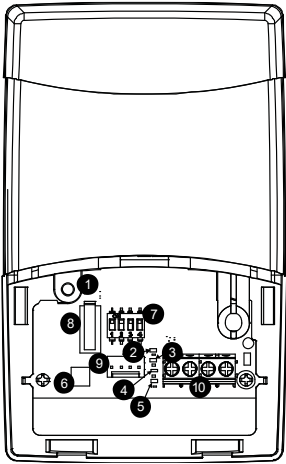


Figure 1 : Support de montage

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

Étape 3 : Câblage de l’extension sans fil photo



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

Figure 2 : Extension sans fil photo (sans le cache)

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

Remarques :

1. La longueur de câble maximale autorisée est de 100 mètres en vitesse élevée et de 300 mètres en vitesse lente pour la totalité du câblage bus. Pour les informations de câbles à utiliser, reportez-vous à l’annexe B du Manuel d’Installation de la 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 des DIP Switchs



SW1 – SW3	Trois interrupteurs pour régler l’ID de l’extension sans fil photo			
	ID	SW1 - 1	SW1 - 2	SW1 - 3
	1	Off	Off	Off
	2	On	Off	Off
	3	Off	On	Off
	4	On	On	Off
	5	Off	Off	On
	6	On	Off	On
	7	Off	On	On
	8	On	On	On
SW4	Doit être réglé sur OFF			

4. Indication des LEDs

LED	Description
Toutes les LEDs sont allumées	Réinitialisation de l’extension
Toutes les LEDs sont allumées, sauf la LED verte qui clignote	Initialisation de l’extension
La LED rouge est allumée	Communication Bus OK
La LED rouge clignote lentement	Communication Bus en défaut
La LED verte clignote	Communication via le canal de sécurité RF
La LED bleue clignote	Communication via le canal photo RF
La LED rouge clignote rapidement	Extension en mode de démarrage
La LED jaune clignote rapidement	Radio sécurité en mode de mise à jour
La LED bleue clignote rapidement	Radio photo en mode de mise à jour

5. Procédure de programmation dans une LightSYS Plus/ProSYS Plus

Procédez comme suit pour programmer la centrale LightSYS Plus/ProSYS Plus avec une extension sans fil photo. Vous pouvez adresser 16 extensions sans fil photo au système LightSYS Plus/ProSYS Plus.

7. Définissez l’ID de l’extension sans fil photo à l’aide des DIP Switch [1]-[3]. Par défaut, l’ID de l’extension sans fil photo est défini sur 1.
8. Adressez l’extension sans fil photo au système LightSYS Plus (de v.2.0) [menu Programmation – Touche rapide 7 > 1 > 2 > 1 > 05] / au système ProSYS Plus [menu Programmation – Touche rapide 7 > 1 > 2 > 05].

Remarque : si l’extension sans fil photo est installée à l’intérieur du boîtier LightSYS Plus/ProSYS Plus, réglez le DIP switch d’**Exclusion autoprotection** sur **Oui**.

9. Calibrez l’extension sans fil photo (menu Programmation – Touche rapide [7 > 2 > 1]).
10. Adressez les périphériques sans fil (menu Programmation – Touche rapide [7 > 2 > 2]).
11. Effectuez un test de communication entre l’extension et les périphériques (Menu principal > Maintenance > Test sans fil).
12. Configurez les paramètres des périphériques sans fil (Zones : Touche rapide 2 > 1, Télécommandes – Touche rapide 8 > 2) et les paramètres de sorties (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	Sécurité : 868.65 MHz : 10 mW (max) Photo : 869.525 MHz : 100 mW (max)
Immunité RF	Conforme à la norme EN50130-4
Portée (Champ libre)	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
Fréquence	868.65 MHz, 869.525 MHz, 433 MHz, 916 MHz

7. Informations de commande

RP432EWV800B	Extension sans fil photo 868/869 MHz
RP432EWV400A	Extension sans fil photo 433/916 MHz

PR

1. Descrição

O expansor de vídeo sem fios bidirecional LightSYS Plus/ProSYS Plus é uma unidade que se utiliza para permitir a transmissão de imagens dos detetores PirCam da Risco quando conectados ao painel de segurança LightSYS Plus/ProSYS Plus.

Características

- Compatível com as linhas de sirenes sem fios, teclados slim, controlos remotos e detetores da RISCO.
- Até 2 teclados slim sem fios bidirecionais
- Até 2 teclados WL Panda LightSYS Plus por WL Video Expander
- Até 3 sirenes
- Até 4 repetidores sem fio bidirecionais por expansor de vídeo WL
- Até 32 zonas (incluindo câmaras PIR)
- Até 16 controlos remotos multifuncionais
- Tecnologia de código dinâmico
- Detecção de bloqueio de sinal
- Calibração do nível-limite
- Detecção de violação traseira e frontal
- Frequência central nominal: 868,65 MHz (segurança); 869,525 MHz (vídeo)
- Instalável dentro ou fora do gabinete principal do LightSYS Plus/ProSYS Plus
- Até 16 expansores de vídeo sem fios por sistema LightSYS Plus/ProSYS Plus (8 Expansores de vídeo por Bus)
- Até 32 câmaras PIR por sistema LightSYS Plus/ProSYS Plus (até 8 PirCam por Expansor)
- Resolução de captação de imagem VGA e QVGA
- Velocidades de Bus automáticas de 9,6/38,4 Kbps

2. Instalação

O expansor de vídeo sem fios pode ser instalado como uma unidade separada com sua caixa de plástico ou como PCB dentro da caixa principal de polycarbonato da LightSYS Plus/ProSYS Plus.

IMPORTANTE! Para transferência rápida de imagens, o WL Video Expander deve ser conectado apenas ao Fast Bus, sem conectar outros dispositivos BUS neste Fast Bus que não suportem Fast Bus..

Passo 1: Seleção do local de instalação

Quando instalado na caixa de plástico:

- Não instale o expansor de vídeo sem fios próximo a objetos de metal e dispositivos que geram radiofrequência, como televisores ou computadores.
- Instale o expansor de vídeo sem fios a uma altura de pelo menos 1,5 m (5 pés) acima do chão.
- Instale o expansor de vídeo sem fios relativamente próximo e centralizado em relação aos locais dos transmissores.

Passo 2: Instalação do detetor

1. Separe o suporte de instalação da unidade principal.
2. Use o suporte de instalação 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.

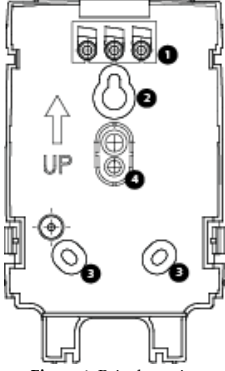
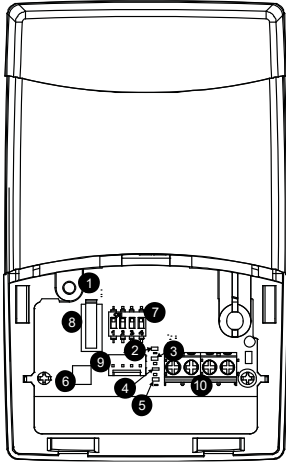


Figura 1: Painel traseiro

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

Passo 3: Cablagem do expansor de vídeo sem fios



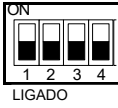
1. Furo de parafuso opcional (usado para fixar as tampas frontal e traseira)
2. LED vermelho
3. LED verde
4. LED amarelo
5. LED azul
6. Botão de reset (redefinição)
7. Chave DIP
8. Proteção antivolação da caixa
9. Conector de Bus
10. Bloco de terminais de 4 pinos

Figura 2: Esquema do expansor de vídeo sem fios (sem tampa)

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] no LightSYS Plus/ProSYS Plus).
COM BLK (preto comum)	Preto comum de 0 V (na conexão de Bus, conecte ao COM [comum] no 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 cabo permitida é de 100 metros (330 pés) em velocidade alta ou de 300 metros (1.000 pés) em velocidade baixa para a cablagem total do Bus, para obter a informação sobre o tipo de cabo a utilizar consulte o manual de instalação da LightSYS Plus/ProSYS Plus. Apêndice B
2. Ao fechar a tampa, utilize uma tampa de rosca localizada na parte traseira para tapar o parafuso de fecho.



SW1 – SW3	Três chaves para definir o ID do expansor de vídeo sem fios			
	ID	SW1 - 1	SW1 - 2	SW1 - 3
	1	Off	Off	Off
	2	On	Off	Off
	3	Off	On	Off
	4	On	On	Off
	5	Off	Off	On
	6	On	Off	On
	7	Off	On	On
	8	On	On	On
SW4	Deve ser definido como OFF			

4. Indicação dos LEDs

LED	Descrição
Todos os LEDs ACESOS	Redefinição do expansor
Todos os LEDs ACESOS, exceto LED VERDE PISCANDO	Inicialização de periférico do expansor
LED VERMELHO ACESO	Comunicação BUS OK
LED VERMELHO A PISCAR lentamente	Em modo Programação ou problemas de comunicação no Bus
LED VERDE intermitente	Comunicação via canal de segurança de RF
LED AZUL intermitente	Comunicação via canal de vídeo de RF
LED VERMELHO A PISCAR rápido	Expansor no modo de carregador de inicialização
LED AMARELO A PISCAR rápido	Segurança rádio está no modo de atualização
LED AZUL A PISCAR rápido	Vídeo Rádio está no modo de atualização

5. Etapas de programação no LightSYS Plus/ProSYS Plus

As instruções a seguir indicam as principais etapas de programação do painel LightSYS Plus/ProSYS Plus usando o expansor de vídeo sem fios. Podem ser registados até dezasseis expansores de vídeo na LightSYS Plus/ProSYS Plus.

- Defina o ID do expansor de vídeo usando as chaves [1]-[3]. Por padrão, o ID do expansor de vídeo é definido como 1.
- Atribua o expansor de vídeo sem fios ao sistema: menu de programação – Teclas rápidas LightSYS Plus (a partir de v.2.0) [7 > 1 > 2 > 1 > 05] / Menu de programação – Teclas rápidas ProSYS Plus [7 > 1 > 2 > 05].
*Nota: Se o expansor de vídeo sem fios estiver instalado dentro da caixa da LightSYS Plus/ProSYS Plus, a opção **Bypass Tamper** (Ignorar violação) deve ser definida como Yes (Sim).*
- Calibre o expansor de vídeo (Programming menu [Menu de programação] – Teclas rápidas [7 > 2 > 1]).
- Atribua o dispositivo sem fios (Programming menu [Menu de programação] – Teclas rápidas [7 > 2 > 2]).
- Execute o teste de comunicação entre o expansor e o dispositivo (Main menu [Menu principal] > Maintenance [Manutenção] > Wireless Test [Teste wireless]).
- Defina os parâmetros do dispositivo sem fios (Zones [Zonas]: Teclas rápidas 2 > 1, Keyfobs [Controlos 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	Segurança: 868,65 MHz: 10 mW (máx.) Câmera: 869,525 MHz: 100 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, 869,525 MHz, 433 MHz, 916 MHz
Índice de Protection (IP)	IP30 IK 06

7. Informações sobre pedidos

RP432EWW800B	Expansor de vídeo sem fios de 868/869 MHz
RP432EWW400A	Expansor de vídeo sem fios de 433/916 MHz

Este equipamento se encontra certificado e homologado na ANATEL com o número de certificação 09232-24-06777.

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

Para maiores informações, consulte o site da Anatel – <https://www.gov.br/anatel/pt-br/>



09232-24-06777



1. Descrição

De LightSYS Plus/ProSYS Plus 2-Weg Draadloze Video uitbreiding is een unit welke gebruikt kan worden om foto's door te sturen van RISCO PIR camera detectoren wanneer deze verbonden zijn met een LightSYS Plus/ProSYS Plus paneel.

Beschikbare functies

- Ondersteuning voor RISCO's gamma van draadloze sirenes, slim keypads, afstandsbedieningen en detectoren.
- Max. 2 2-Weg draadloze slim keypads
- Max. 2 WL Panda LightSYS Plus-toetsenborden per WL-video-expander
- Max. 3 sirens
- Max. 4 2-weg draadloze repeaters per WL-video-expander
- Max. 32 zones (inclusief PIR Camera's)
- Max. 16 multi-functionele afstandsbedieningen
- Rolling code technologie

- Detectie tegen Jamming van het signaal
- Threshold level kalibratie
- Sabotage detectie (voor- en achterzijde)
- Nominale center frequentie: 868.65 MHz (Security); 869.525 MHz (Video)
- Kan geïnstalleerd worden buiten of binnen de LightSYS Plus/ProSYS Plus behuizing
- Max. 16 DL Video uitbreidingen per LightSYS Plus/ProSYS Plus systeem (Max. 8 DL Video uitbreidingen per bus)
- Max. 32 PIR Camera's per LightSYS Plus/ProSYS Plus systeem (Max. 8 PIR Camera's per DL Video uitbreiding)
- VGA en QVGA resolutie voor de foto's
- Automatische bus snelheid 9.6/38.4 Kbps

2. Installatie

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

BELANGRIJK! Voor een snelle overdracht van beelden mogen enkel WL Video Expander modules worden aangesloten op de Fast Bus, zonder andere BUS-apparaten op deze Fast Bus aan te sluiten.

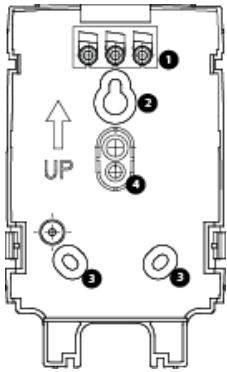
Stap 1: Bepalen van de installatielocatie

Bij installatie in de plastic behuizing :

- Installeer de DL Video uitbreiding niet dichtbij metalen objecten en apparatne die een RF-signaal genereren zoals TV's of computers.
- Installeer de DL Video uitbreiding op een minimum hoogte van 1.5 m (5 ft) tov de vloer.
- Installeer de DL Video uitbreiding zo dicht mogelijk tegen en centraal van de zenders.

Stap 2: Installeren van de uitbreiding

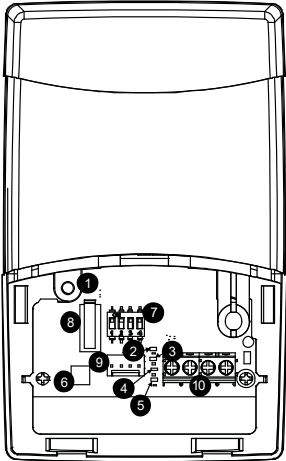
- Ontkoppel de achterplaat van de hoofdprint.
- Gebruik de achterplaat als sjabloon voor de gaten.
- Breek de schroefdopjes los, welke u kan gebruiken om de schroefgaten te bedekken.
- Installeer de achterplaat op de muur.



- Schroefdoop
- Bovenste schroefgat
- Onderste schroefgaten (optioneel)
- Sabotage achterzijde

Figuur 1: Achterzijde

Stap 3: Aansluiten van de DL Video uitbreiding



- Optioneel schroefgat (gebruikt om de voorzijde en de achterzijde te vergrendelen)
- Rode LED
- Groene LED
- Gele LED
- Blauwe LED
- Reset knop
- DIP switch
- Sabotageschakelaar
- Bus Connector
- 4-pin's aansluitklem

Figuur 2: DL Video uitbreiding Layout (zonder cover)

Aansluitklem (links naar rechts)	Beschrijving
AUX RED	+13.8V voeding VDC, (bij een bus verbinding aansluiten op de AUX van de LightSYS Plus/ProSYS Plus).
COM BLK	Zwart 0V common (Bij een bus verbinding aansluiten op de COM van de LightSYS Plus/ProSYS Plus)
BUS YEL	Data bus verbinding
BUS GRN	Data bus verbinding

Opmerkingen:

- De maximale draadlengte welke toegelaten is, is 100 meter (330 feet) voor hoge snelheid of 300 meter (1.000 feet) voor trage snelheid voor de totale buslengte. Voor de aanbevolen draaddikte informatie, gelieve de LightSYS Plus/ProSYS Plus Installateur handleiding te raadplegen, Appendix B.
- Bij het sluiten van de cover gebruikt u de schroefdoop welke zich op de achterzijde bevindt om de afsluitschroef te bedekken.

3. DIP Switch Configuratie



SW1 – SW3	Drie switchen om het ID van de DL Video uitbreiding in te stellen			
	ID	SW1 - 1	SW1 - 2	SW1 - 3
	1	Off	Off	Off
	2	On	Off	Off
	3	Off	On	Off
	4	On	On	Off
	5	Off	Off	On
	6	On	Off	On
	7	Off	On	On
	8	On	On	On
SW4	Moet zijn ingesteld op OFF			

4. LED's Indicatie

LED	Beschrijving
Alle LED's AAN	DVU reset
Alle LED's AAN behalve GROENE LED KNIPPERT	DVU initialisatie
RODE LED AAN	BUS communicatie OK
RODE LED KNIPPERT traag	In Prog mode OF Bus Communicatie fout
GROENE LED KNIPPERT	Communicatie via RF security kanaal
BLAUWE LED KNIPPERT	Communicatie via RF video kanaal
RODE LED KNIPPERT snel	DVU is in bootloader mode
GELE LED KNIPPERT snel	Security radio is in update mode
BLAUWE LED KNIPPERT snel	Video radio is in update mode

5. Programmeer stappen in de oLightSYS Plus/ProSYS Plus

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

- Stel de ID van de Video uitbreiding in via de switches [1]-[3]. De ID van de Video uitbreiding is standaard ingesteld op 1.
- Aanleren van de DL Video uitbreiding op het systeem: Programmering menu – Sneltoets LightSYS Plus (van v.2.0) [7 > 1 > 2 > 1 > 05] / Programmering menu – Sneltoets ProSYS Plus [7 > 1 > 2 > 05].
Opmerking: Wanneer de DL Video uitbreiding in de behuizing geïnstalleerd wordt dient de u de Sabotage overbrugging in te stellen als Ja.
- Kalibreer de Video uitbreiding (Programmering menu – Sneltoets [7 > 2 > 1])
- Aanleren draadloos apparaat (Programmering menu – Sneltoets [7 > 2 > 2])
- Voer een communicatietest uit tussen de uitbreiding en het apparaat (Hoofdmenu > Onderhoud > Draadloze Test).
- Stel de DL parameters in van het apparaat (Zones: Sneltoets 2 > 1, Afstandsbediening – sneltoets 8 > 2) en de uitgang parameters (Sneltoets 3).

6. Technische Specificaties

Parameter	Beschrijving
Bedrijfsspanning	13V +/- 10%
Stroomverbruik	Typisch: 40 mA; max 65 mA
Vermogen	Security: 868.65Mhz:10mW (max) Camera: 869.525Mhz: 100mW (max)
RF Immuniteit	Volgens EN50130-4
Afstand (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, 869.525 MHz, 433 MHz, 916 MHz

7. Bestelinformatie

RP432EWW800B	Draadloze Video uitbreiding 868/869MHz
RP432EWW400A	Draadloze Video uitbreiding 433/916MHz

Rapport de Conformité de RED:

Par la présente, RISCO Group, déclare cet équipement est en conformité aux conditions essentielles et à d'autres dispositions appropriées de la directive 2014/53/EU. Vous pouvez trouver la copie complète de la déclaration de conformité à la directive 2014/53/EU sur notre site web, à l'adresse suivante : www.riscogroup.com.

Declaração de conformidade RED:

Por meio deste, o RISCO Group declara que o seu equipamento está em conformidade com as necessidades essenciais e outras provisões relevantes da diretiva 2014/53/EU. I Para ver a declaração de conformidade CE, por favor consulte o nosso website: www.riscogroup.com.

RED conformiteitsverklaring:

RISCO Group bevestigt dat dit product in lijn is met de essentiële verplichtingen en andere belangrijke voorzieningen van de 2014/53/EU richtlijnen. Voor de conformiteitsverklaring zie onze website: www.riscogroup.com

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