RISCO
A LIFETIME OF SECURITY



2-Way Wireless Multi-Function Contact

Models: RWX73F, RWX73F8BL, RWX73F8BR, RWX73FA,-RWX73FA8BR & RWX73FA8BL

EN IT FR ES SE

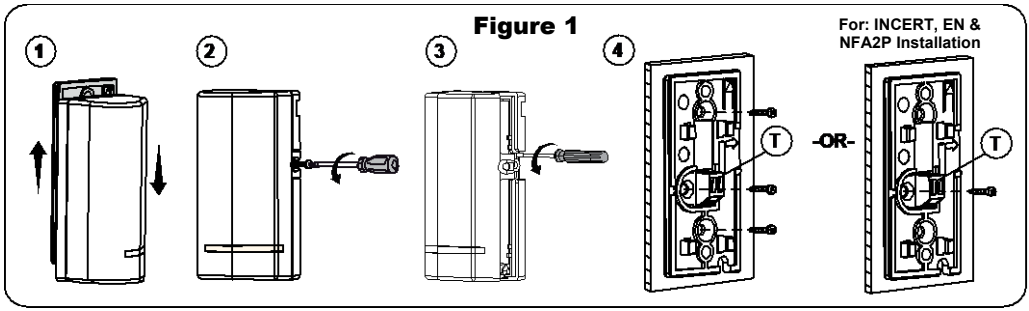
CONTACTING RISCO GROUP

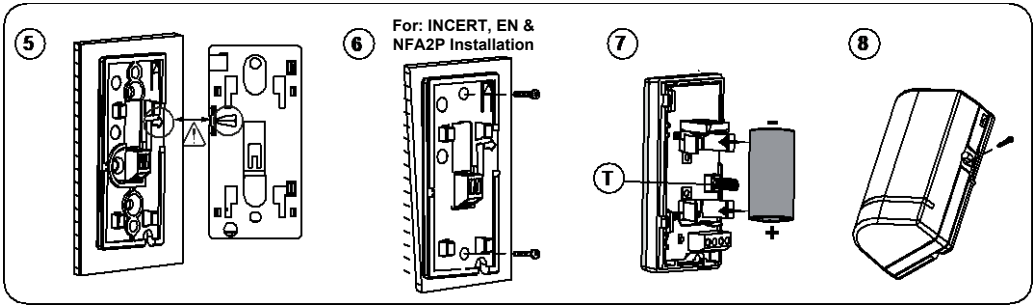
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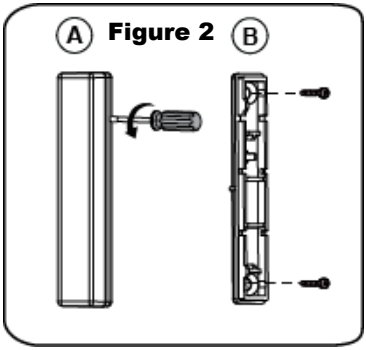
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TECHNICAL SPECIFICATION

ELECTRICAL	Battery Life: 3 years typical
Battery Type:CR123 3V Lithium Battery	Low battery: 2.5 V
Current Consumption: 22µA standby, 40 mA max.	Contact Size: 32 x 35 x 72 mm (1.3 x 1.4 x 2.8 in.)
Frequency: RWX73F86800x 868.65 MHz White RWX73F8BL00x 868.65 MHz Black RWX73F43300x 433.92 MHz White RWX73F8BR00x 868.65 MHz Brown	Magnet Size:16 x 11 x 72 mm (0.6 x 0.44 x 2.8 in.)
	Output power: 10mW
	ENVIRONMENTAL
Power Output: 10mW Max.	Operating temperature: -10°C—55°C (14°F—131°F)
Dead Time (HOLD ON): 2.5 minutes	Storage temperature: -20°C—60°C (-4°F—140°F)
Supervision Transmission: 0-255 minutes	RF immunity: According to EN50130-4
Modulation type: ASK	
Specifications are subject to change without prior notice. Should any questions arise please contact your supplier.	


Figure 1
1
2
3
4
For: INCERT, EN &
NFA2P Installation
T
-OR-
T


5
6
For: INCERT, EN &
NFA2P Installation
7
T
8


A
Figure 2
B

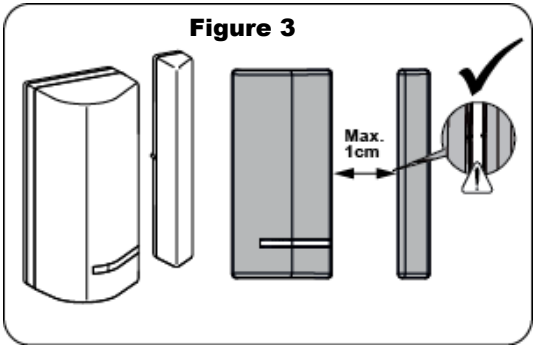

Figure 3
Max.
1cm

Figure 4



Optional | En option | Opzionale | Opcional

Magnet spacers | Entretoises aimant | Distanziali per magneti | Espaciadores de magnéticos | Distanser magnet

- RAX73MSB000A (x 10): brown | marron | marrone | marron | brun
- RAX73MS0000A (x 10): white | blanc | bianco | blanco | vit
- RAX73MSBL00A (x 10): black | noir | nero | negro | svart

Transmitter spacers | Entretoises transmetteur | Distanziali per trasmettitori | Espaciadores de magnéticos | Distanser magnet

- RAX73XSB000A (x 10): brown | marron | marrone | marron | brun
- RAX73XS0000A (x 10): white | blanc | bianco | blanco| vit
- RAX73XSBL00A (x 10): black | noir | nero | negro | svart

Figure 5

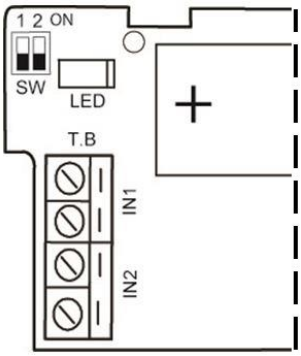
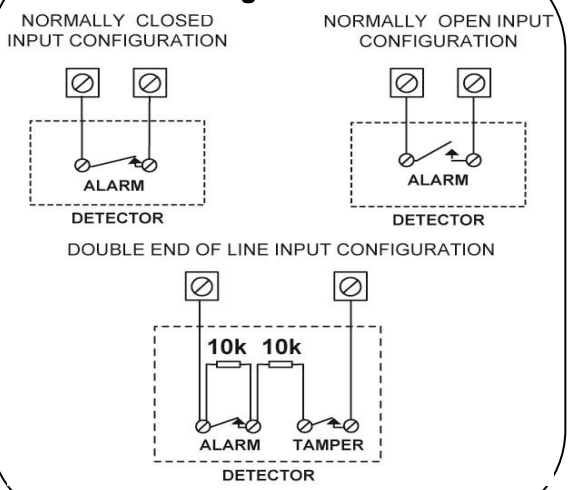


Figure 6



NOTE: Pour être en conformité avec la norme NF&A2P, seule la troisième option de câblage (DEOL) est autorisée.

EN

GENERAL DESCRIPTION

The RWX73F is a 2-way multi-function supervised transmitter with two separate channels that combines Magnetic/Door contact with two additional inputs (one universal and the other universal or shutter). The RWX73F has two reed switches for protection against opening doors and windows, and against any attempt to tamper with the detector using large magnets. The RWX73F operates with RISCO Group 2-Way wireless systems.

MAIN FEATURES

- Communication: Bi-directional
- Range: Up to 300 m (1,000 ft.) range line of sight
- Supervision: Up to 255 minutes
- Selective Zone termination: NO, NC, DEOL
- Selective Zone response: 10 / 500ms
- Tamper protection: Back + cover
- Anti-sabotage tamper protection
- 2 channels recognized as separate zones in the system

LED INDICATION

- Upon successful learning: short flash sequence
- Normal operation: brief light upon transmission
- Low battery: short flash sequence during transmission

OPERATING CHANNELS

RWX73F supports 2 separate channels, each with unique serial number (Fig.7).

Channel	Report Events From	Functionality	Restore Message
1	Magnetic Contact + Input 1 (IN1)	Universal	Follow Event Restore
2	Input 2 (IN2)	Universal / Shutter	Follow Event Restore / Immediate

INSTALLATION

Step 1: Transmitter Receiver Communication Setup

The X73F must identify itself to the system's receiver by writing its coded message into the receiver's address memory. The receiver must identify each channel separately, as defined by DIP switch 1. This registration for each channel is performed either by entering the RWX73F's 11-digit serial code number or by performing the following RF allocation steps:

1. Remove the front cover (Fig 1), and then set the main unit to Learn mode.
2. Remove battery from the insulation material and reinsert it into the transmitter, paying attention to the polarity (Fig. 2).
3. For channel 1 set Dip switch 1 to OFF.
4. Send a write message by pressing the front tamper switch (don't detach back bracket) for at least 3 seconds until panel recognition displays (Fig. 2).

NOTE: After registration or after exiting the control panel's Programming mode, the magnet will receive 2-Way data from the control panel for approx. 30 seconds. During this time period, the magnet will not respond to any trigger but only to tamper activation. At the termination of this time period, the magnet will revert to normal operation.

5. For channel 2, wait 30 seconds (after channel 1 registration) and repeat step 4 with DIP switch 1 in the ON position.

NOTE: Wait at least 1 minute before closing the front cover.

Step 2: Input Wiring

Use the diagrams for appropriate input termination wiring. For DEOL termination connect two 10K Ohm resistors (supplied). See Figure 8.

NOTE: Cable length must be 3m Max.

Step 3: Selecting the Mounting Location

1. Select a location for best communication quality and near the intended wired detector. It's recommended to place the unit at the highest possible position.
2. Temporarily attach the unit to this point using two-sided adhesive tape.
3. Generate an alarm signal (by momentarily opening or closing the input terminals) and verify that the receiver has received the signal. If the alarm signal is not detected, reposition the transmitter and try again.

Step 4: Mounting (Fig. 3 -- Fig. 6)

1. Detach back of transmitter from the back bracket (Fig. 3A). At mounting location note the alignment marks for both components (Fig. 3B), and then install accordingly using 2 mounting screws and back tamper screw (Fig 3C).
2. Detach magnet casing (Fig. 4A) and install with mounting screws (Fig 4B).
3. Optionally, mount spacer(s) for transmitter and/or magnet as required (Fig. 6), positioned between the back bracket and the mounting surface.

NOTES:

- It's best to mount the transmitter on the non-moving part (door/window frame), and the magnet on the moving part.
- Spacers are purchased separately (see table above).
- Align the marks on the magnet and transmitter cases (Fig. 5).
- For installations on wood or alloy, the maximum distance for normal operation is 10 mm (1 cm), while for metal ferromagnetic materials (such as iron) it is 5 mm (Fig. 5).

Step 5: Defining Parameters

These parameters can be defined for each channel from the control panel:

Parameter	Channel 1	Channel 2
Supervision	Yes/No	Yes/No
LED Enable	Yes/No	Yes/No
Magnet	Enable/Disable	--
Alarm Hold	On/Off	On/Off
Termination	IN 1: NO/NC/DEOL	IN 2: NO/NC/DEOL/Shutter
Response	10ms / 500ms	10ms / 500ms
Anti-sabotage magnet	Enable/Disable	--
Shutter Pulse	--	01—16*

* Channel 2 termination defined as Shutter

EN50131-2-6 Grade 2 Environmental Class II, EN50131-5-3 ,EN50131-6: Type C

IT

DESCRIZIONE GENERALE

RWX73F è un trasmettitore bidirezionale multifunzione a due canali che include un magnete per controllare porte e finestre e due ingressi di allarme aggiuntivi (il primo per contatti porte/finestre in serie al magnete e il secondo per contatti porte/finestre o contatti a filo per tapparelle). RWX73F ha due reed utilizzati uno per controllare porte e finestre tramite un magnete fornito e l'altro per proteggere l'unità da tentativi di sabotaggio realizzati utilizzando grossi magneti per inibire la rilevazione di apertura del contatto.

CARATTERISTICHE PRINCIPALI

- Comunicazione: Bidirezionale
- Portata radio: fino a 300 metri in aria libera
- Supervisione: fino a 255 minuti programmabile
- Terminazione zona: NO, NC, DEOL, 1 msec. (Tapparella)
- Tempo di apertura ingresso: 10ms o 500ms
- Protezione tamper: apertura e rimozione
- Protezione anti-sabotaggio
- Due ingressi con identificativi di zona differenti

INDICATORE LED

- Registrazione riuscita: sequenza di brevi lampeggi
- Normale funzionamento: breve accensione ad ogni trasmissione
- Batteria scarica: sequenza di brevi lampeggi durante la trasmissione

MODO DI FUNZIONAMENTO DEI CANALI

Il trasmettitore RWX73F include due canali (ingressi) con due diversi numeri di serie, uno per ogni ingresso (Fig. 7).

Canale	Evento da	Funzione	Messaggio di ripristino
1	Magnete Reed interno + Ingresso 1 (IN1)	Porte/Finestre	Ripristino alla chiusura del contatto/ingresso
2	Ingresso 2 (IN2)	Porte/Finestre o Tapparelle	Ripristino a ingresso chiuso / Ripristino automatico (tapparelle)

INSTALLAZIONE

Passo 1: Registrazione del trasmettitore al ricevitore

X73F deve essere identificato dal sistema ricevente tramite la memorizzazione in quest'ultimo dei numeri di serie dei due canali. La selezione del canale da registrare avviene tramite la configurazione del microinterruttore 1. Questa registrazione la si può effettuare inserendo manualmente nel sistema ricevente le 11 cifre del numero di serie del trasmettitore o effettuando la memorizzazione per auto-apprendimento come segue:

1. Rimuovere il coperchio frontale (Fig 1) e impostare la centrale in modalità auto-apprendimento accessori radio.
2. Rimuovere la batteria dal materiale isolante e inserirla nel trasmettitore prestando attenzione alla polarità (Fig. 2).
3. Per memorizzare il canale 1 impostare il microinterruttore 1 in OFF (il mic. 2 non è utilizzato).
4. Trasmettere un messaggio di indirizzo (write) mantenendo premuto il tamper frontale anti-apertura del trasmettitore (senza rimuovere la base/staffa posteriore di fissaggio) per almeno 3 secondi fino alla conferma di ricezione da parte della centrale (Fig. 2).

NOTA: Dopo la registrazione o dopo l'uscita dalla modalità di programmazione tecnica della centrale, il trasmettitore riceverà dalla centrale i dati di configurazione dopo circa 30 secondi. Durante questo periodo, il trasmettitore non risponderà a nessuna attivazione ma solo ad un eventuale attivazione tamper. Alla fine di questo periodo, il trasmettitore tornerà al funzionamento normale.

5. Per memorizzare il canale 2, attendere almeno 30 secondi (dopo la registrazione del canale 1) e ripetere il passo 4 con il microinterruttore 1 in ON (il mic. 2 non è utilizzato).

Passo 2: Cablaggio dell'ingresso

Consultare gli schemi che seguono per cablare l'ingresso come richiesto. Per utilizzare una terminazione con un doppio bilanciamento resistivo (DEOL) connettere 2 resistenze da 10K Ohm (fornite) come di seguito illustrato (Fig. 8).

NOTA: La lunghezza del cavo deve essere al massimo di 3 m.

Passo 3: Scegliere la posizione di installazione

1. Scegliere una posizione di installazione che garantisca una buona qualità di comunicazione e la vicinanza al dispositivo da interfacciare all'ingresso. RISCO consiglia di posizionare il dispositivo alla massima altezza possibile.
2. Fissare temporaneamente il dispositivo nel punto prescelto usando del nastro biadesivo.
3. Generare un segnale di allarme (aprendo o chiudendo momentaneamente i morsetti di ingresso) e verificare che l'unità ricevente abbia ricevuto la segnalazione. Se il segnale di allarme non viene ricevuto, riposizionare il trasmettitore e riprovare.

Passo 4: Montaggio (Fig. 3 - Fig. 6)

1. Separare il trasmettitore dalla staffa di fissaggio (Fig. 3A). Nella posizione di montaggio si noti che l'allineamento è marcato su entrambi i componenti (Fig. 3B), fissare la staffa utilizzando 2 viti di fissaggio e la vite per il tamper antirimozione (Fig. 3C).
2. Separare il contenitore del magnete e montarlo utilizzando le viti d fissaggio (Fig. 4A, 4B).
3. Opzionalmente, montare il distanziale/i per il trasmettitore e/o per il magnete come richiesto (Fig. 6), posizionato tra la staffa di fissaggio e la superficie di montaggio.

NOTE:

- Si raccomanda di montare il trasmettitore sulla parte non movibile (telaio della porta/finestra), e il magnete sulla parte movibile.
- I distanziali vengono forniti separatamente (vedi sopra).
- Il riferimento sull'involucro del magnete deve essere allineato con il riferimento situato sul contenitore del trasmettitore (Fig. 5).
- Per le installazioni sulle superfici di legno o in lega, la massima distanza tra magnete e reed è 10 mm. Mentre, se la superficie di installazione è in metallo o altro materiale simile (ad es. ferro), la massima distanza è 5mm (Fig. 5).

Passo 5: Configurazione dei Parametri

Il dispositivo RWX73F permette la configurazione dei seguenti parametri per entrambi i canali:

Parametro	Canale 1	Canale 2
Supervisione	Si/No	Si/No
Abilitazione LED	Si/No	Si/No
Reed interno	Abilitato/Disabilitato	--
Inibizione trasmissioni	On/Off	On/Off
Terminazione	IN 1: NO/NC/DEOL	IN 2: NO/NC/DEOL/Tapparella
Risposta ingresso	10ms / 500ms	10ms / 500ms
Anti-sabotaggio reed interno	Abilitato/Disabilitato	--
Impulsi tapparella	--	01—16*

* Solo se il canale 2 è configurato come tapparella

SPECIFICHE TECNICHE

ELETTRICHE	Modulazione: ASK
Assorbimento in corrente: 22μA a riposo, 40 mA max.	Autonomia batteria: 3 anni (in funzione dell'utilizzo)
Tipo batteria: al litio CR123 3V	Dimensioni unità: 32 x 35 x 72 mm
Frequenza: RWX73F86800x 868.65 MHz Bianco RWX73F8BL00x 868.65 MHz Nero RWX73F43300x 433.92 MHz Bianco RWX73F8BR00x 868.65 MHz Marrone	Dimensione magnete: 16 X 11 X 72 mm
	Potenza trasmessa: 10mW
	AMBIENTALI

Potenza trasmessa: 10mW Max.	Immunità RF: Conforme alla EN50130-4
Trasmissione di supervisione: da 0 a 255 minuti	Temperatura di stoccaggio: da -20°C a 60°C
	Temperatura di funzionamento: da -10°C a 55°C
Inibizione trasmissioni: 2.5 minuti	
Soglia basso livello batteria: 2. V	
Le specifiche tecniche sono soggette a modifiche senza l'obbligo di preavviso. Per qualsiasi informazione fare riferimento al proprio fornitore.	

EN 50131-2-6 Grado 2 Classe ambientale II , EN50131-5-3 ,EN50131-6: Type C

DESCRIPTION GENERALE

FR

Le RWX73F est transmetteur bidirectionnel multifonctions supervise avec deux canaux séparés combinant un contact de portes/fenêtres magnétique avec deux entrées additionnelles (une universelle pour contact externe et une autre universelle ou contact rideau). Le RWX73F possède deux interrupteurs à lames souples pour la protection à l'ouverture des portes et des fenêtres, et contre toute tentative de fraude du détecteur à l'aide de gros aimants Le RWX73F fonctionne avec les récepteurs sans fil bidirectionnels du Groupe RISCO.

PRINCIPALES CARACTERISTIQUES

- Communication: Bidirectionnelle
- Portée de fonctionnement jusqu'à 300 m (1000 ft) (en extérieur)
- Supervision: jusqu'à 255 minutes
- Terminaison de zone sélective: NO, NC, DEOL
- Temps de réponse de zone sélectif: 10/500ms
- Protection Anti-fraude
- Deux canaux reconnus comme zones séparées dans le système.
- Protection anti-sabotage: Arrière + Couvercle + champ magnétique

INDICATEUR LED

- Lors de la réussite de l'apprentissage: séquence de clignotement courte
- Fonctionnement normal: bref allumage lors de la transmission
- Pile faible: clignotement court lors de la transmission

CANAUX OPERATIONNELS

Le RWX73F prend en charge 2 canaux séparés avec un numéro de série unique pour chaque canal (Figure 7).

Channel	Rapporte Evènements de	Fonctionnalité	Message Rétablissement
1	Contact Magnétique + Entrée 1 (IN1)	Universel	Suit rétablissement événement
2	Input 2 (IN2)	Universel / Rideau	Suit rétablissement événement / Immédiat

INSTALLATION

Etape 1: Etablissement de la communication Transmetteur / Récepteur

Le transmetteur X73F doit s'identifier auprès du récepteur du système en inscrivant ses messages codés dans le registre d'adresses du récepteur. Ce dernier doit identifier chaque canal séparément, suivant la position du DIP Switch 1. Cet enregistrement pour chaque canal se fera soit en entrant le numéro de série à 11 chiffres du RWX73F ou au moyen des étapes suivantes par allocation RF:

1. Retirez le couvercle frontal comme l'indique le schéma en fig.1
2. Réglez le récepteur en mode écriture (suivez pour cela les instructions correspondantes).
3. Retirez la pile de sa protection isolante et insérez-la dans le transmetteur en respectant la polarité indiquée (cf. fig. 2).
4. Pour le canal 1 mettre le Dip Switch 1 sur OFF.

5. Envoyez un message d'écriture en appuyant sur le resort d'autoprotection avant (sans détacher le support de fixation arrière) pendant au moins 3 secondes, jusqu'à ce que la centrale confirme la reconnaissance (Fig. 2).

NOTE: Après l'enregistrement ou après être sorti du mode programmation de la centrale, le transmetteur recevra des données de configuration de la centrale pendant environ 30 secondes. Pendant ce temps, le contact magnétique ne répondra à aucun déclenchement, uniquement à une activation d'autoprotection. Après cette durée, le contact retournera en mode de fonctionnement normal.

6. Pour le canal 2 répéter les étapes 4 et 5 avec le DIP Switch 1 en position ON.

NOTE: Attendez au moins 1 minute avant de fermer le couvercle frontal.

Etape 2: Câblage de Entrées

Utilisez les schémas ci-dessus pour le câblage de terminaison d'entrée approprié. Pour la terminaison DEOL, veuillez connecter deux resistances 10K ohms (fournies) comme illustré ci-dessous (Figure 8).

NOTE: La longueur du cable doit être de 3m Max.

Etape 3: Choix de l'emplacement de l'installation

1. Choisissez l'emplacement le mieux adapté pour assurer la qualité de la communication, tout en restant au plus près du détecteur filaire prévu. Risco recommande de placer l'unité en position la plus haute possible.
2. Fixez provisoirement l'appareil à ce point à l'aide d'un ruban adhésif double face.
3. Générez un signal d'alarme (en ouvrant ou en fermant momentanément les bornes d'entrée) et vérifiez que le récepteur a bien reçu le signal. Si le signal d'alarme n'est pas détecté, replacez le transmetteur et essayez à nouveau.

Etape 4: Montage (Fig. 3 - Fig. 6)

1. Détachez la partie arrière du transmetteur du support de fixation (Fig. 3A). A l'emplacement de fixation, notez l'alignement des marques des 2 parties (Fig. 3B) et fixez en utilisant 2 vis de fixation, et une vis pour l'autoprotection (Fig. 3C).
2. Ouvrez l'aimant (Fig. 4A) et installez-le avec des vis de fixation (Fig. 4B).
3. En option, montez les entretoises du transmetteur et/ou de l'aimant si nécessaire (Fig. 6), positionnés entre le support de fixation et la surface de montage.

NOTES:

- Il est préférable de monter le transmetteur sur une partie qui ne bouge pas (cadre de fenêtre/porte), et l'aimant sur la partie qui bouge.
- Les entretoises sont commandées séparément (voir tableau).
- La marque du boîtier de l'aimant doit être alignée à la marque du boîtier du transmetteur.
- Pour les installations sur bois, la distance maximum est de 10mm (1cm), et sur matériaux en métal (comme le fer), elle est de 5mm (Fig.5).

Etape 5: Définition des paramètres

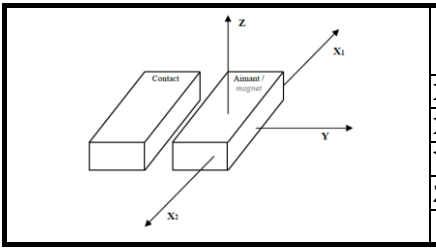
Les paramètres suivants peuvent être définis pour chaque canal à partir de la centrale:

Paramètre	Canal 1	Canal 2
Supervision	Qui/Non	Qui/Non
LED Validée	Qui/Non	Qui/Non
Magnétique	Activé/Désactivé	--
Alarme Mémorisée	On/Off	On/Off
Terminaison	EN 1: NO/NC/DEOL	EN 2: NO/NC/DEOL/Obturateur
Réponse	10ms / 500ms	10ms / 500ms
Anti-sabotage	Validé/Dé validé	- Magnétique
Impulsion Obturateur	--	01—16*

* Terminaison Canal 2 définie comme Obturateur

SPECIFICATIONS TECHNIQUES

ELECTRIQUES	Type de Modulation: ASK
Type de Pile: Pile Lithium: 3V CR123	Durée de vie de la pile: 3 ans (selon usage)
Batterie Basse: 2.5V	Taille Contact: 32 x 35 x 72 mm
Consommation électrique: 22µA au repos, 40 mA max.	Taille Aimant: 16 x 11 x 72 mm
	ENVIRONMENTALES
Puissance disponible: 10mW Max.	Température de fonctionnement: -10°C—55°C
Fréquence: RWX73F86800x 868.65 MHz Blanc RWX73F8BL00x 868.65 MHz Noir RWX73F43300x 433.92 MHz Blanc RWX73F8BR00x 868.65 MHz Marron	Température de stockage: -20°C—60°C
Temps mort (Attente): 2.5 minutes	Immunité RF: Conforme à EN50130-4
Supervision Transmission: 0-255 minutes	
Ces spécifications sont susceptibles d'être modifiées sans avis préalable. Pour tout renseignement, veuillez contacter votre revendeur.	



	Bois		Fer doux	
	Ouverture	**Fermeture**	**Ouverture**	**Fermeture**
X1	26mm	15mm	26mm	13mm
X2	24mm	12mm	23mm	11mm
Y	41mm	21mm	21mm	7mm
Z	52mm	29mm	23mm	9mm

RTC 50131-2-6, NF EN50131-2-6 Grade 2, Environmental Class II , NF EN50131-5-3 ,NF EN50131-6: Type C, IP31 IK 04

Organisme de certification
AFNOR CERTIFICATION: 11 rue Francis de Pressensé
93571 LA PLAINE SAINT-DENIS Cedex, http://www.marque-nf.com
CNPP Cert: CS22265, 27950 ST MARCEL, http://www.cnpp.com
Numéro de certificat: 2122000013
Ce produit répond aux exigences du référentiel de certification NF324-H58 pour la classification 2 boucliers, et de la RTC 50131-2-6.

ES

DESCRIPCIÓN GENERAL

El RWX73F es un transmisor bidireccional multifunction supervisado que combina contacto magnético (para protección e puertas y ventanas) con dos entradas adicionales (una entrada como contacto universal y otra entrada como contacto universal o contacto con contador de impulsos). El RWX73F tiene dos interruptores de lengüeta para la protección contra la apertura de puertas y ventanas, y contra cualquier intento de sabotaje del detector utilizando imanes de gran tamaño. El RWX73F funciona con los Sistemas bidireccionales de RISCO Group.

CARACTERÍSTICAS PRINCIPALES

- Comunicación: Bidireccional.
- Alcance: Hasta 300 metros (1.000 pies) de alcance (en exterior)
- Supervisión: Hasta 255 minutos
- Tamper de protección: Trasero + Tapa

INDICACIÓN DEL LED

- Una vez reconocido el transmisor: breve secuencia de parpadeo
- Funcionamiento Normal: breve encendido al transmitir
- Baja Batería: breve parpadeo intermitente durante la transmisión

- Tamper de protección anti-sabotaje
- Tiempo de respuesta de Zona seleccionable: 10/500ms
- Terminación de Zona seleccionable: NA, NC, DRFL, Pulso
- Dos canales reconocidos en el sistema como zonas separadas

FUNCIONAMIENTO DE LOS CANALES

El RWX73F soporta 2 canales independientes con un único número de serie para cada canal (Figure 7).

Canal	Informe de Eventos desde	Funcionalidad	Mensaje de Restauración
1	Contacto Magnético + Entrada 1 (IN1	Universal	Evento de Restauración
2	Entrada 2 (IN2)	Universal / C. Impulsos	Evento de Restauración / Immediat

INSTALACIÓN

Paso 1: Configuración de la Comunicación Transmisor – Receptor

El RWX73F debe identificarse en el receptor del sistema enviando un mensaje de escritura codificado que queda grabado en la dirección de memoria del receptor. El receptor debe identificar cada canal por separado, según se defina mediante el interruptor DIP 1. El registro de cada canal también se puede realizar introduciendo el número de serie de 11 dígitos del RWX73F o realizando la asignación por RF mediante los siguientes pasos:

1. Quite la tapa delantera (Fig. 1)y entonces ponga el sistema en Modo Aprendizaje.
2. Inserte la pila en el transmisor, prestando atención a la polaridad (Fig. 2).
3. Para registrar el Canal 1 ponga el interruptor DIP 1 en posición OFF.
4. Envie un mensaje de escritura presionando el interruptor de tamper frontal (sin retirar el soporte transero) por al menos 3 segundos hasta que se muestre el reconocimiento por parte del panel (Fig. 2).

NOTA: Después del registro, o después de salir del modo de Programación en el panel, el magnético recibirá comunicación bidireccional desde el panel durante aproximadamente 30 segundos. Durante este tiempo el magnético no responderá a ninguna activación, excepto al Tamper. Una vez finalizado este tiempo el magnético volverá al modo normal de operación.

5. Para el canal 2 espere 30 segundos (después de registrar el canal 1) y repita el paso 4 con el DIP switch 1 en posición ON..

NOTA: Espere al menos 1 minuto antes de cerrar la tapa frontal.

Paso 2: Cableado de las Entradas

Siga los siguientes diagramas para cablear correctamente la terminación de la entrada. Para la terminación DRFL conecte dos resistencias de 10k Ohmios (suministradas) como se ilustra a continuación (Figure 8).

NOTE: La longitud del cable debe ser de 3 m como máximo.

Paso 3: Selección de la Ubicación de Montaje

1. Elegir la ubicación más adecuada para conseguir una buena calidad de comunicación, y cerca del detector cableado (si está previsto). RISCO le recomienda ubicar la unidad a la máxima altura posible.
2. Fijar temporalmente la unidad en esa ubicación mediante cinta adhesiva de doble cara.
3. Generar una señal de Alarma (abriendo o cerrando momentáneamente los terminales de entrada) y verificar que el receptor ha recibido la señal. Si la señal de alarma no es detectada, reubicar el transmisor y probar nuevamente.

Paso 4: Montaje (Fig. 3 – Fig. 6)

1. Separe la parte trasera del transmisor del soporte trasero (Fig. 3A). En la ubicación de montaje, tenga en cuenta las marcas de alineación de ambos componentes (Fig. 3B), y luego instale de manera acorde utilizando 2 tornillos para el montaje y 1 tornillo para el tamper (Fig. 3C).
2. Separe la cubierta del magnético e instale con tornillos de montaje (Fig 4A, 4B)
3. Opcionalmente, monte los espaciadores para el transmisor y/o magnético según se requiera (Fig. 6), posicionados entre el soporte trasero y la superficie de montaje.

NOTAS:

- Es mejor montar el transmisor en la parte fija (puerta/marco de ventana), y el magnético en la parte con movimiento.
- Los espaciadores se venden por separado (vea arriba)
- La marca en la cubierta del magnético debe alinearse con la marca en la cubierta del transmisor (Fig. 5).
- Para instalaciones en madera o aleación, la distancia máxima para una operación normal es 10 mm (1 cm), mientras que para materiales metálicos ferromagnéticos (como el acero) es 5 mm (Fig. 5)

Paso 5: Definiendo Parámetros

Los siguientes parámetros se pueden definir para cada canal desde el panel de control:

Parámetro	**Canal 1**	**Canal 2**
Supervisión	Sí / No	Sí / No
Habilitar LED	Sí / No	Sí / No
Imán-	Habilitado / Deshabilitado	--
Tiempo Reposo	On / Off	On / Off
Terminación	IN1: NA / NC / DRFL	IN 2: NA / NC / DRFL / C. Impulsos
Respuesta	10ms / 500ms	10ms / 500ms
Anti-sabotaje del imán	Habilitado / Deshabilitado	--
Número de Impulsos		01—16*

* Terminación del Canal 2 definido como Contador de Impulsos.

ESPECIFICACIONES TÉCNICAS

ELÉCTRICAS	Mínimo nivel de voltaje: 2.5 V
Tipo de Batería: Batería de Litio CR123 3V	Tipo de Modulación: ASK
Consumo de Corriente: 22µA en reposo, 40 mA max.	Tamaño del Contacto: 32 x 35 x 72 mm
	Tamaño del Imán: 16 x 11 x 72 mm
Frecuencia: RWX73F86800x = 868,65 MHz Blanco RWX73F8BL00x 868.65 MHz Negro RWX73F43300x = 433,92 MHz Blanco RWX73F8BR00x 868.65 MHz Marron	**AMBIENTALES**
	Inmunidad RF: Conforme a EN50130-4
Salida de alimentación: 10mW Max.	Temperatura de Funcionamiento: -10°C a 55°C (14°F a 131°F)
Duración de la Batería: 3 años (dependiendo del uso)	Temperatura de Almacenamiento: -20°C a 60°C (-4°F a 140°F)
Tiempo Reposo (HOLD ON): 2,5 minutos:	
Transmisión de Supervisión: 0-255 minutos	
Las especificaciones están sujetas a cambios sin aviso previo. En caso de duda, por favor contacte con su proveedor.	

EN 50131-2-6 Grado 2 Clase Ambiental II, EN50131-5-3 ,EN50131-6: Type C

ALLMÄN BESKRIVNING

SE

RWX73F är en 2-vägs övervakad universal magnetkontakt med två trådbundna ingångar för externa givare. RWX73F har två reed-kontakter för extra hög säkerhet mot manipuleringsförsök med externa magneter. RWX73F är kompatibel med 2-vägs trådlösa system från Risco Group.

HUVUDFUNKTIONER

- Kommunikation: Dubbelriktad
- Räckvidd: upp till 1000 ft. (300m) räckvidd (utomhus)
- Övervakning: Upp till 255 minuter
- Selektiv terminering av sektion: NO, NC, DEOL
- Selektiv sektionsreaktion: 10/500ms
- Sabotageskydd: Baksida + Lock
- Anti-sabotageskydd
- Två kanaler redovisas som separate sektioner i systemet.

LED-INDIKERING

- Vid lyckad inlärning: kort blixtsekvens
- Vid aktivering: tänds upp
- Lågt batteri: kort blixtsekvens vid aktivering

TRÅDBUNDNA INGÅNGAR

RWX73F har 2 trådbundna ingångar knutna till en kanal, varje kanal tar en sektionsplats i systemet (Fig.7).

Kanal	Rapporterar händelser från	Funktionalitet	Återställning
1	Magnetkontakt + Ingång 1 (IN1)	Universal	Följer händelse
2	Ingång 2 (IN2)	Universal/Rullport	Följer händelse/Omedelbar

INSTALLATION

Steg 1: Installation av sändarmottagarkommunikation:

X73F måste läras in till systemet innan den kan tas i bruk. Varje kanal separat måste läras in separat, val av kanal sker med DIP-omkopplare 1.

Inlärningen kan utföras antingen genom att manuellt ange RWX73Ms 11-siffriga serienummer eller genom att utföra automatisk inlärning enligt följande steg:

1. Ta bort locket på framsidan (Fig 1).
2. Aktivera centralapparatens Inlärningsläge.
3. Sätt i batteriet i sändaren, var uppmärksam på polariteten (Fig. 2).
4. För kanal 1 ställ DIP-omkopplaren 1 i läge AV.
5. Skicka ett inlärningsmeddelande genom att hålla ner Sabotagebrytaren på kretskortet (låt monteringsplattan sitta kvar) i minst 3 sekunder till dess inlärningen bekräftas av systemet.
6. För kanal 2 upprepa steg 4,5 med DIP-omkopplare 1 i läge PÅ.
   OBS: Vänta i minst 1 minut innan du sätter tillbaka fronten på sändaren.

Steg 2: Inkoppling av trådbunden slinga:

Följande diagram beskriver inkoppling av trådbunden slinga.

För DEOL anslut två 10K ohm motstånd (medföljer).

Slingan kopplas enligt följande (Fig 8).

NOTE: Kabellängden måste vara högst 3 m

Steg 3: Välj monteringsplats

1. Välj dörr/fönster som magnetkontakten ska skydda. I det fall en extern trådbunden enhet ska anslutas bör sändaren placeras i närheten av enheten för att undvika onödigt långt kablage som kan ge störningar.
2. Montera enheten provisorikst med t.ex dubbelsidig tejp eller håll helt enkelt sändaren på tänkt monteringsplats.

3. Aktivera gång-/testläge i systemet och generera en sändning genom att föra magnetdelen bort från sändaren och sedan tillbaka eller genom att sluta/bryta den trådbundna ingången. Kontrollera att signalen kommer fram. Flytta sändaren och försök igen om det inte fungerar.

Steg 4: Montera enheten (Fig. 3 – Fig. 6):

1. Separera den bakre delen av sändaren från monteringsplattan (Fig. 3A). Märk ut skruvhålen på monteringsytan (Fig. 3B), använd 3 skruv för att fästa monteringsplattan (Fig. 3C).
2. Ta isär magnetdelen (Fig. 4A) och fäst med två skruv I monteringsytan (Fig. 4B).
3. Använd eventuellt distanser för sändare och/eller magnet om detta krävs (Fig. 6), placerade mellan monteringsytan och monteringsplattan.

Anmärkningar:

- Sändaren bör monteras på icke-rörlig del (dörrkarm/vägg), och magnetdelen på den rörliga delen.
- Distanser beställs separat.
- Märkningen på magnetdelens hölje ska anpassas till märkningen på sändarens hölje (Fig. 5).
- För installation på yta av .tex trä eller metall skiljer sig arbetsavstånden åt, på ferromagnetiskt material (t.ex. järn) är arbetsavståndet 5mm (fig. 5) och på icke-magnetiskt t.ex. trä eller gips 10mm.

Steg 5: Inställningar

Följande parametrar kan definieras för varje kanal på Kontrollpanelen:

Parameter	Kanal 1	Kanal 2
Övervakning	Ja/Nej	Ja/Nej
Aktivera lysdiod	Ja/Nej	Ja/Nej
Magnet	Aktivera / Inaktivera	--
Batterispar	På/Av	På/Av
Slingbalansering	IN 1: NO/NC/DEOL	IN 2: NO/NC/DEOL/Rullport
Responstid	10ms / 500ms	10ms / 500ms
Anti-sabotage magnet	Aktivera/Inaktivera	--
Slutarpuls	--	01—16*

* Kanal 2 programmerad för Rullport

TEKNISKA SPECIFIKATIONER

Batterityp: CR123 3V litiumbatteri	Batterlivslängd: 3 år ca
Strömförbrukning: 22μA standby	Låg nivå batteritröskelspänningen: 2.5v
Frekvens: RWX73F86800x 868.65 MHz Vit RWX73F8BL00x 868.65 MHz Svart RWX73F43300x 433.92 MHz Vit RWX73F8BR00x 868.65 MHz Brun	Min / Max strömförbrukning: 11μA standby, 40 mA max Dimensioner sändare: 32 x 35 x 72 mm (1.3 x 1.4 x 2.8 in.) Dimensioner magnet: 16 X 11 X 72 mm (.6 X .44 X 2.8 in.)
Uteffekt	10mW Max.
Batterispar (inaktivitet): 2.5 minuter	RF immunitet: Enligt EN50130-4
	Driftstemperatur: -10°C till 55°C (14°F till 131°F)
Övervakad överföring: 0-255 minuter	Lagringstemperatur: -20°C till 60°C (-4°F till 140°F)
Modulationstyp: ASK	
Skulle frågor uppstå, kontakta din leverantör.	

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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