EL — UPGRADING EVERYDAY SECURITY

Wireless Vibration Detector / Sensore Vibrazioni via Radio

Model/Modello: EL-4807

EN IT

Installation and User Guide / Manuale Utente e Installatore

EN Introduction

The EL-4807 is a 1 & 2-Way wireless vibration detector for use with security systems.

Installation

Mounting the Vibration Detector

1. Open the vibration detector housing (see Figure 1).
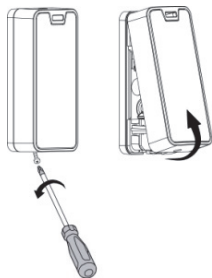2. Mount the back cover (see Figure 2).

Figure 1

Vibration Detector Settings

SW1	Mode	Description
	2 -Way	ON
	1-Way	OFF

Potentiometer (1-way)

When using the system, set the sensitivity of the vibration detector using the potentiometer. Turn the potentiometer clockwise to increase the detector sensitivity or counter-clockwise to reduce the sensitivity (see Figure 3).

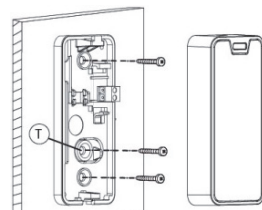Note: To use the back tamper, the back tamper screw must be installed.
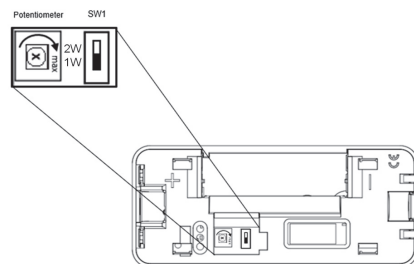

Figure 2

Figure 3

A. Registration to 2-Way Panel

The EL-4807 must identify itself to the panel's receiver as follows:

1. Set the system to registration mode.
    a. Go to the main menu and select [9]>[1]>[1] (Programming > Devices > Zones).
    b. Select a zone and press '√'.
2. Open the detector housing.
3. Remove the divider separating the battery from the contacts on the battery holder. The detector will send a transmission. If the transmission is successfully received by the system it will play a confirmation sound. If no confirmation sound is heard send another transmission by pressing and releasing the tamper switch of the device.
4. As soon as 'Save?' appears press '√'.

Quick Registration to 2-Way Panel (If Quick Registration is enabled)

1. At the control panel, press and hold [✓] for about 3 seconds (disregard the ENTER USER CODE message) until REGISTER and TRANSMIT display.
2. Open the detector housing.
3. Remove the divider separating the battery from the contacts on the battery holder. The detector will send a transmission. If the transmission is successfully received by the system it will play a confirmation sound. If no confirmation sound is heard, send another transmission by pressing and releasing the tamper switch of the device.
4. As soon as 'Save?' appears press '√'.

B. Registration to 1-Way Panel

1. Set the system to registration mode.
    a. Go to the main menu and select [9]>[1]>[1] (Programming > Devices > Zones).
    b. Select a zone and press '√'.
2. Open the detector housing.
3. Remove the battery protector strip; TRANSMIT 2 displays.
4. Press the transmitter's tamper switch and then release it; the (automatically generated) zone number and SAVE? display.
5. Press '√' to save the registration, or press 'X' to cancel.

Quick Registration to 1-Way Panel (If Quick Registration is enabled)

1. At the control panel, press and hold [✓] for about 3 seconds until REGISTER and TRANSMIT display.
2. Remove the battery protector strip; TRANSMIT 2 displays.
3. Press the transmitter's tamper switch and then release it; the (automatically generated) zone number and SAVE? display.
4. Press '√' to save the registration, or press 'X' to cancel.

Deleting a Vibration Detector from 2-Way Panel

To delete a vibration detector from the system:

1. Set the system to Delete mode.
    a. Go to the main menu and select [9]>[1]>[1] (Programming > Devices > Zones).
    b. Select a zone and press '√'.
2. Press >12>√.
3. Open the detector and take out the battery.
4. Close and hold the tamper switch.
5. Insert the battery (while the tamper is being pressed).
6. Within 5 seconds, open the tamper and close it again.

Quick Deletion from 2-Way Panel (If Quick Deletion is enabled)

1. At the control panel, press and hold the X button for about 3 seconds until DELETE! display.
2. Open the detector's tamper switch.
3. Press '√' to delete the transmitter, or press 'X' to cancel.

Deleting a Vibration Detector from 1-Way Panel

To delete a vibration detector from the system:

1. Set the system to Delete mode.
    a. Go to the main menu and select [9]>[1]>[1] (Programming > Devices > Zones).
    b. Select a zone and press '√'.
2. Press >9>√.

Quick Deletion from 1-Way Panel (If Quick Deletion is enabled)

1. At the control panel, press and hold the X button for about 3 seconds until DELETE and TRANSMIT 1 display.
2. Press the transmitter's tamper switch; DELETE OK? Displays.
3. Press '√' to delete the transmitter, or press 'X' to cancel.

Parameters Setting via (2-Way) Panel

As a 2-Way detector, the EL-4807 parameters can be modified only from the panel's receiver.

The parameter settings can be defined as follows:

1. Go to the main menu and select [9]>[1]>[1]>[11] (Programming > Devices > Zones>Sensor Par.)
2. Select Sensitivity and define the parameter accordingly (1 – 100), 1 being the lowest, 100 the highest.

Testing a Vibration Detector

Once you have mounted the detector, test the detector's sensitivity, as follows:

1. With the detector housing open, strike the protected door or window at the furthest point away from the detector with a screwdriver handle or cushioned tool; the flashing LED color indicates the sensitivity level of the detector. Refer to following table:

RED	Under-sensitive indication
GREEN	Normal sensitivity (recommended)
ORANGE	Over-sensitive indication

2. If required, adjust the Sensitivity parameter.
3. Repeat the sensitivity test until you achieve the required sensitivity level.
4. After you have adjusted the sensitivity parameter, repeat the test once more.
5. Close the front cover of the detector.

Note: The same LED behavior is applicable during normal operation mode of the vibration sensor.

Technical Specification

Power	3V Lithium Battery, CR123A
Expected Battery Life	3 Years
Current Consumption	30mA (transmission), 10µA (standby)
Power Output	10mW
Operating Temperature	-10 – 55°C (14 – 131°F)
Storage Temperature	-20 – 60°C (-4 – 140°F)
Dimensions	80 x 35 x 22 mm
Frequency	433 MHz, 868 MHz

RED Compliance Statement:

Hereby, RISCO Group declares that this equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. For the CE Declaration of Conformity please refer to our website: www.riscogroup.com.

IT Introduzione

Il trasmettitore EL-4807 è un sensore di vibrazioni via radio che può essere utilizzato con le centrali Electronics Line monodirezionali e bidirezionali.

Installazione

Installazione del Sensore Vibrazioni
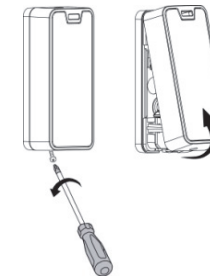
1. Aprire il contenitore (vedi Figura 1).

Figura 1

2. Fissare la base al muro (vedi Figura 2).

Selezione del Protocollo Radio del Sensore Vibrazioni

SW1	Modalità	Posizione dip
	Bidirezionale	ON
	Monodirezionale	OFF

Regolazione sensibilità (Modalità monodirezionale)

Per impostare la sensibilità alle vibrazioni, quando il sensore è utilizzato in modalità monodirezionale, utilizzare il potenziometro. Ruotandolo in senso orario si aumenterà la sensibilità, mentre in senso anti orario si ridurrà. (vedi Figura 3).

Nota: Installare la vite posteriore se si desidera utilizzare il tamper antistrappo.
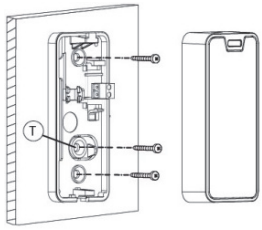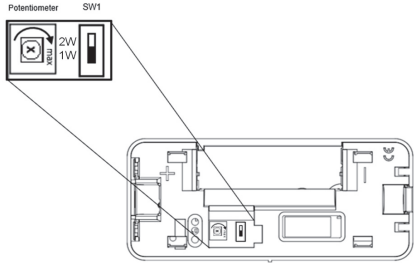
Figura 2

Figura 3

A. Memorizzazione (modalità Manuale)

1. Per memorizzare il trasmettitore utilizzando la modalità manuale di apprendimento:
2. Impostare la centrale in modalità "Memorizzazione".
   a. Dal menù principale premere [9]>[1]>[1] (Menù Install. > Prog. Dispositivi > Zone).
   b. Selezionare una Zona confermando su di essa con '√'.
3. Aprire il guscio del dispositivo.
4. Rimuovere la protezione dalla batteria. Il dispositivo invierà un impulso di scrittura, se ricevuto correttamente la centrale emetterà un suono di conferma. Se non viene riprodotto un tono di conferma premere il tamper del dispositivo per re inviare il messaggio.
5. Verrà mostrato il messaggio SALVA? Confermare con '√'.

B. Memorizzazione (Modalità rapida)

1. Per memorizzare il trasmettitore utilizzando la modalità rapida di apprendimento:
2. Sulla centrale, premere e tenere premuto √ per 3 secondi finchè vengono mostrati REGISTRAZ. e TRASMISSIONE 1.
3. Rimuovere la protezione dalla batteria (vedi figura 3); verranno mostrati REGISTRAZ e TRASMISSIONE 2.
4. NOTA: La seconda trasmissione viene richiesta solo in caso si usi il sistema monodirezionale SecuPlace
5. Verrà mostrato sul display il numero di zona al quale il dispositivo è stato assegnato ed il messaggio SALVA? Se ciò non avviene, premere e rilasciare il tamper per inviare un altro messaggio di scrittura.
6. Premere √ per confermare la memorizzazione (la centrale emetterà un tono acustico e passerà alla memorizzazione successiva) o premere X per annullare.

Regolazione sensibilità (Modalità bidirezionale)

1. Quando utilizzato in modalità bidirezionale, il sensore vibrazioni EL-4807 permette di regolare la sensibilità tramite tastiera, per farlo:
   a. Andare al menù [9]>[1]>[1]>[11] (Menu Install. > Prog.Dispositivi > Zone>Scegliere la zona e andare su Param. Sens.)
2. Impostare la sensibilità alle vibrazioni (1 – 100), 1 indica una minore sensibilità e 100 la maggiore.

Testare il Sensore Vibrazioni

1. Terminata l'installazione, testare il sensore come segue:

   Con il guscio del dispositivo aperto, colpire con un oggetto la superficie protetta nel punto più lontano dal dispositivo e verificare la risposta del LED. A seconda del colore mostrato dal LED, avremo un'indicazione del livello di sensibilità. La tabella che segue riporta i vari colori:

ROSSO	Sensibilità troppo bassa
VERDE	Sensibilità normale (consigliata)
ARANCIO	Sensibilità troppo alta

2. Se necessario, regolare la sensibilità.

Ripetere il test finchè non si raggiunge la taratura desiderata. Dopo avere raggiunto la taratura desiderata, ripetere il test per conferma.
Chiudere il dispositivo.

A. Cancellazione del dispositivo (Modalità manuale)

1. Per cancellare il dispositivo in Modalità Manuale:
   a. Andare al menù [9]>[1]>[1] (Menu Install. > Prog.Dispositivi > Zone>Scegliere la zona).
   b. Confermare con '√'
1. Selezionare >Cancella poi confermare con √.

B. Cancellazione del dispositivo (Modalità rapida)

Per cancellare il dispositivo in Modalità Rapida:

1. Sulla centrale premere e tenere premuto X per 3 secondi finchè vengono mostrati CANCELLA e TRASMISSIONE
2. Premere il tamper del Trasmettitore, verrà mostrato CANCELLA OK?.
3. Premere √ per cancellare il Trasmettitore (la centrale emetterà un tono acustico e passerà alla cancellazione successiva), o premere X per annullare.

Nota: La stessa logica di attivazione dei LED si riscontra durante il normale funzionamento del trasmettitore.

Specifiche Tecnica

Alimentazione	3V Al litio, CR123A
Durata batterie media	3 Anni
Assorbimento	30mA (trasmiossione), 10μA (standby)
Potenza di trasmissione	10mW
Temperatura di esercizio	-10 – 55°C (14 – 131°F)
Temperatura di stoccaggio	-20 – 60°C (-4 – 140°F)
Dimensioni	80 x 35 x 22 mm
Frequenza operativa	433 MHz, 868 MHz

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.

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