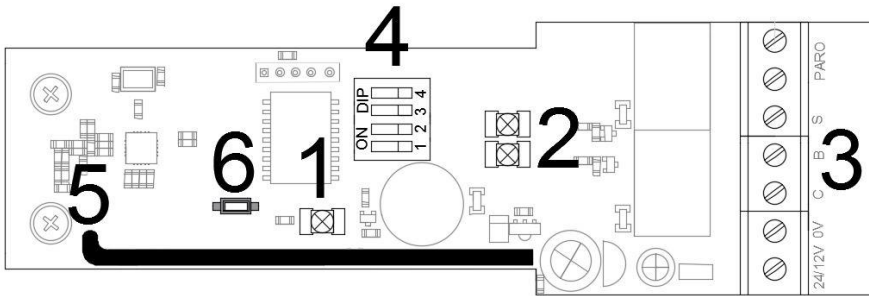


BAND WIRELESS



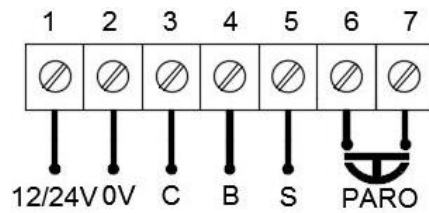
1. CONECTAR RECEPTOR

RECEPTOR



- 1 – LED ON
- 2 – LEDS DE CANALES
- 3 - Conectores
- 4 - Selección DIP
- 5 - Antena
- 6 – Botón PROG

CONEXIONADO RECEPTOR

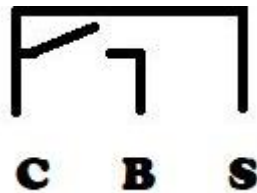


BAND WIRELESS

RELÉ TEST
Elegir opción 3
en el emisor
para contacto
NO/NC

TERMINALES DE SALIDA

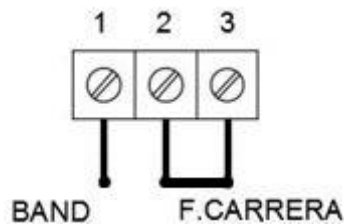
- Contacto NO (normalmente abierto): Terminales de salida C-B
- Contacto NC (normalmente cerrado): Terminales De salida C-S



CONFIGURACIÓN DE LOS CANALES

El receptor tiene dos canales, dependiendo de cómo conectemos en el emisor usaremos el canal 1 o el canal 2. Para seleccionar el **canal 1** conectaremos en el emisor de la siguiente manera:

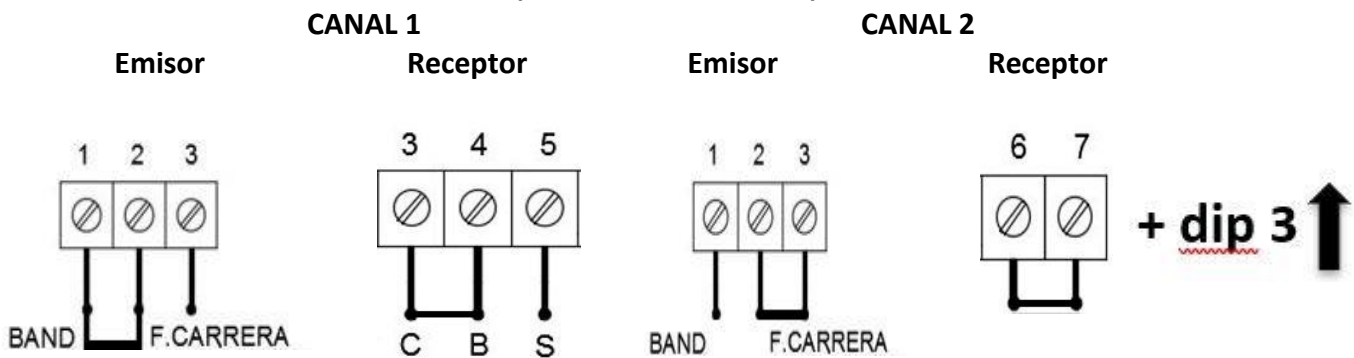
Para seleccionar el canal 2 conectaremos de la siguiente manera:



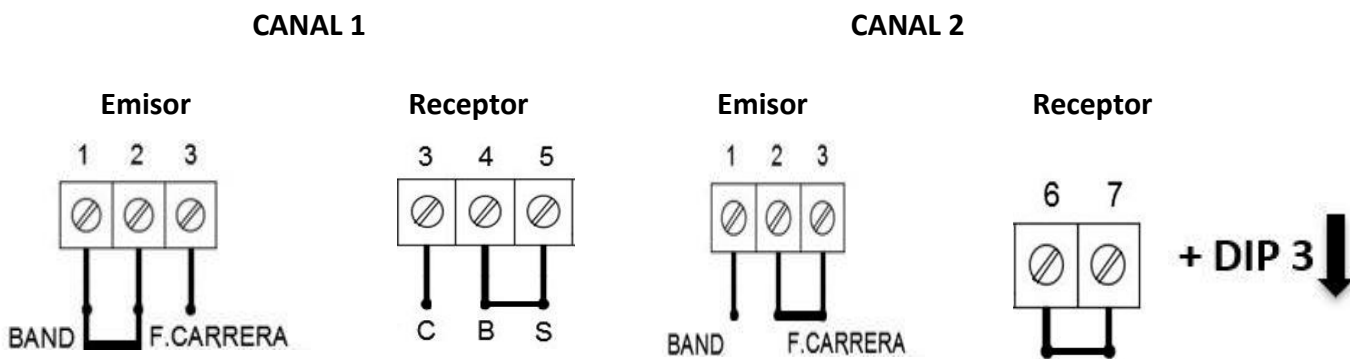
Una vez hayamos elegido el canal según la conexión realizada en el emisor, podemos elegir como se quiere que trabaje dicho canal. Ambos canales pueden trabajar NO (normalmente abierto) y NC (normalmente cerrado).

BAND WIRELESS

NO (normalmente abierto)



NC (normalmente cerrado)



CONFIGURACIÓN DE LAS OPCIONES

IMAN	MECÁNICA	RESISTIVA	RECEPTOR	EMISOR
✓			DIP 1,2,3,4 ↓	
	✓		-DIP 1, ↑ 2,3,4 ↓ -conectar en C-S	-Dip 1,2 ↓ -cambiar seguridad (2 flash) -conectar en Banda-Común
✓	✓		-DIP 1, ↑ 2,3,4 ↓ -Conectar en C-B, usar dip3 para NO/NC	-Dip 1,2 ↓ -Conectar en Banda-Común para canal 1 / Común-F.carrera para canal 2
		✓	-DIP 1, ↑ 2,3,4 ↓ -conectar en C-S para NC	-Dip 1,2 ↓ -Conectar en Común-Banda
✓		✓	-DIP 1, ↑ 2,3,4 ↓	-Dip 1,2 ↓ -conectar en Común-F.carrera

BAND WIRELESS

2. SELECCIÓN DE OPCIONES SELECCIÓN OPCIONES DIP RECEPTOR

NORMATIVA



ON VINCULACION CON EL EMISOR/IMÁN ACTIVADA.



OFF VINCULACION DESACTIVADA.

FRECUENCIA EMISOR



DESABILITADO



NOTA: SI POR CASUALIDAD CAMBIA LA POSICIÓN DEL DIP,
DEBERÁ VOLVER A GRABAR EL EMISOR.

RECEPTOR NC/NO (canal 2)



ON canal 2 NO



OFF canal 2 NC

AGILIDAD FRECUENCIA AUTOMÁTICA



ON Activada.



OFF Desactivada.

SELECCIÓN OPCIONES EMISOR

CANAL 1

BAND WIRELESS



ON desactiva canal 1



OFF activa canal 1

CANAL 2



ON desactiva canal 2



OFF activa el canal 2

!!!ATENCIÓN!!!

CONFIGURACIÓN DE LOS CONTACTOS DEL EMISOR

La banda por defecto está configurada como contacto NC (normalmente cerrado). Se detalla seguidamente el procedimiento a seguir para modificar el tipo de contacto de NO a NC o viceversa.

1. Para comprobar la configuración actual, retirar la tapa del emisor, quitar las pilas, poner vuelta la pila y contar el número de parpadeos:

NUMERO PARPADEOS	TIPO CONTACTO
4	NO
2	NC

Así comprobaremos que efectivamente por defecto parpadea 4 veces, luego está configurado como NO.

2. Para cambiar el tipo de contacto, quitar la pila. Mientras se mantiene pulsado el botón de emisor indicado en el esquema, colocar la pila, (mantener pulsado durante todo el proceso). Primero parpadea mostrando la configuración actual y después la configuración final, ya se puede soltar el botón. Se ha cambiado el tipo de contacto con éxito, repetir el punto 1 si se desea comprobar que efectivamente se ha cambiado la configuración.

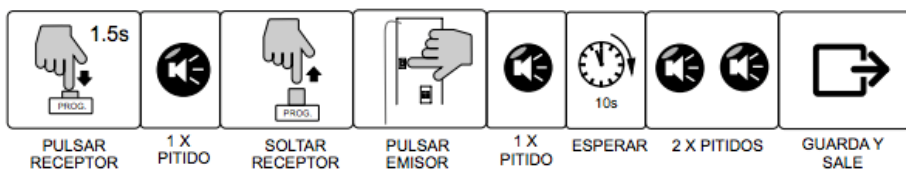
INDICADOR LED

- LED ON Seguridad OK
- LED OFF Obstáculo detectado

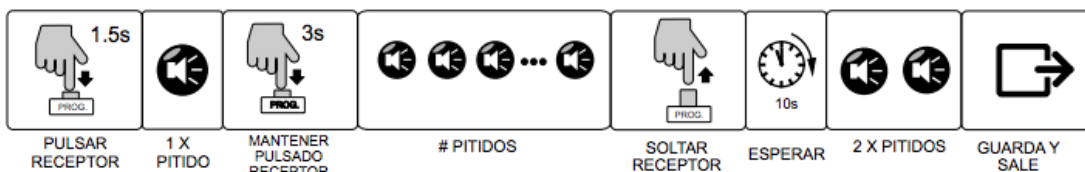
3. PROCESO DE MEMORIZACIÓN MEMORIZACIÓN

BAND WIRELESS

PROGRAMACIÓN MANUAL DE UN EMISOR



RESET DE MEMORIA EMISORES



INDICADOR DE MEMORIA AGOTADA

En caso de haber agotado la memoria disponible, al intentar memorizar nuevos códigos se oirá una serie de pitidos durante 10 segundos.

INDICADOR DE BATERÍA BAJA

La señalización de batería baja del transmisor consiste en 4 pitidos muy cortos en el receptor cada vez que recibe alguna señal del emisor. El LED de aviso se activa simultáneamente con el buzzer o pitido.

¡¡ATENCIÓN!!

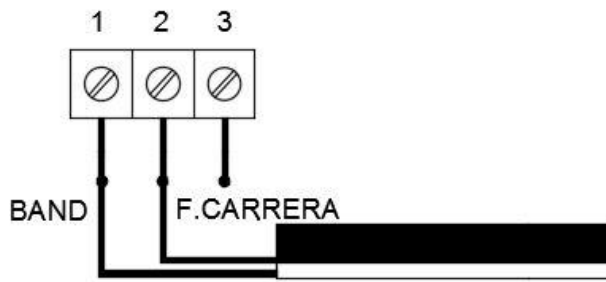
Antes de proceder, desconectar la tensión de alimentación. Es recomendable incluir una protección de fusible de 100mA como mínimo y 250mA como máximo en la alimentación externa.

4. CONEXIÓN DEL EMISOR



CONEXIONADO DEL EMISOR

BAND WIRELESS



USER MANUAL



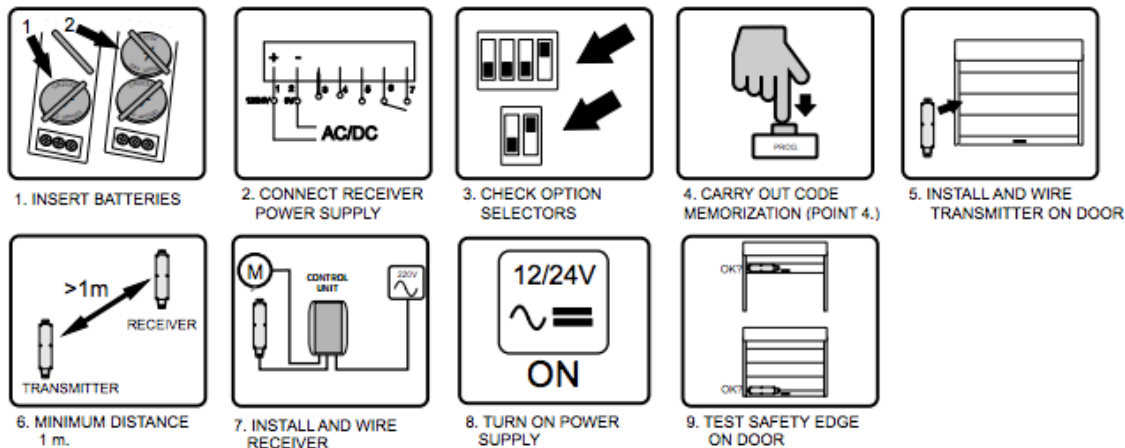
Safety kit formed by one transmitter (TX) and one receiver (RX) able to communicate resistive or mechanic bands with the control board by using radio signals

SAFETY INSTRUCTIONS

- Reaction time <60ms
- EN13849-1 regulation
- Device with SELV/PELV power supply

HOW IT WORKS

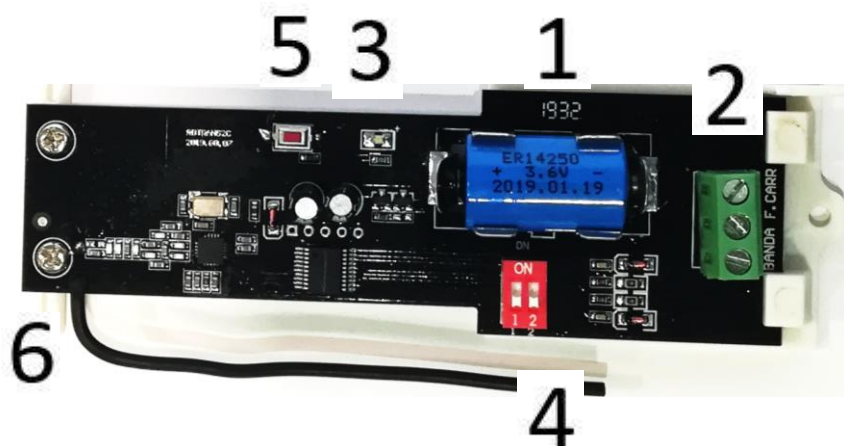
BAND WIRELESS



FUNCTIONING

To start using the device, please follow the steps that are explained below.

TRANSMITTER

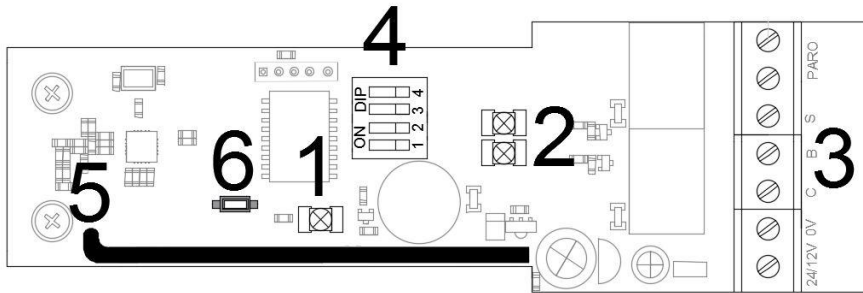


- 1 – Battery
- 2 – Connectors
- 3 – LED
- 4 – DIP selectors
- 5 – Button
- 6 – Antenna

1. HOW TO CONNECT THE RECEIVER

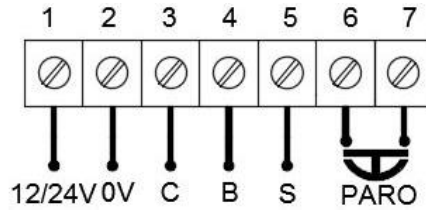
RECEIVER

BAND WIRELESS



- 1 – ON LED
- 2 – CHANNEL'S LED
- 3 – Connectors
- 4 – DIP selectors
- 5 – Antenna
- 6 – PROG Button

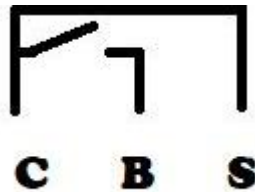
RECEIVER CONNECTIONS



TEST RELAY
Choose option 3
on tx for contact
NO/NC

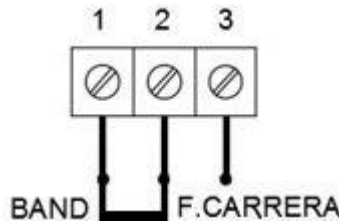
OUTPUT TERMINALS

- NO contact (normally open): Output terminals C-B
- NC contact (normally closed): Output terminals C-S



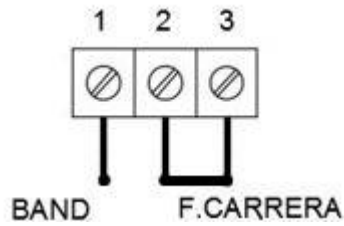
CHANNEL CONFIGURATION

The receiver has two channels. Depending on how we connect the transmitter we will use channel 1 or channel 2. To choose **channel 1** we will connect the transmitter in the following way.



To choose **channel 2** we will connect the transmitter in this way:

BAND WIRELESS



Once the channel has been selected due the way it was wired the transmitter, we now can chose the the way this channel will work. Both channels can work as NO (normally open) or NC (normally closed).

NO (normally open)

CHANNEL 1

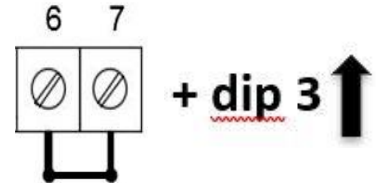
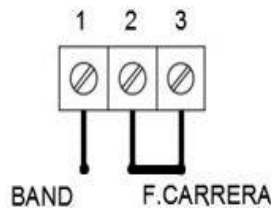
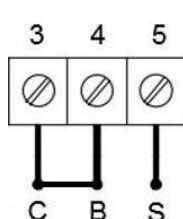
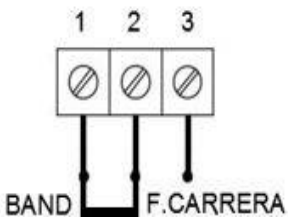
CHANNEL 2

Transmitter

Receiver

Transmitter

Receiver



NC (normally closed)

CHANNEL 1

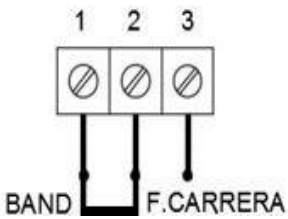
CHANNEL 2

Transmitter

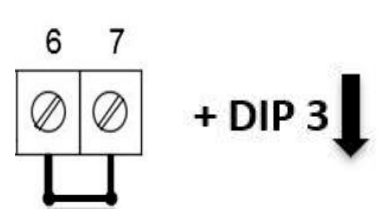
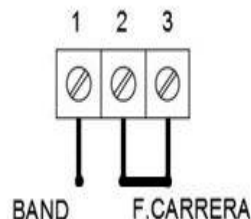
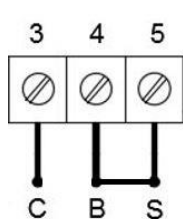
Receiver

Transmitter

Receiver



2.



OPTIONS SELECTION

OPTIONS AVAILABLE IN THE RECEIVER

NORMATIVE

BAND WIRELESS



ON LINK WITH THE ISSUER DISABLE.



OFF LINK ENABLED.

TRANSMITTER FREQUENCY



DEACTIVATED



NOTE: IF YOU EVER CHANGE THE POSITION OF THE DIP, YOU WILL NEED TO LEARN AGAIN THE TRANSMITTER IN THAT POSITION.

RECEIVER NC/NO (Channel 2)



ON Channel 2 NO



OFF Channel 2 NC

AUTOMATIC FREQUENCY RANGE



ON Activated.



OFF Deactivated.

OPTIONS AVAILABLE IN THE TRANSMITTER

CHANNEL 1



ON Deactivates channel 1



OFF Activates channel 1

CHANNEL 2

BAND WIRELESS



ON Deactivates channel 2



OFF Activates channel 2

CONFIGURATION OF THE TRANSMITTER'S CONTACTS

The factory setting of the contacts of the band is NC (normally closed). Please find below the steps to follow to modify the type of contacts: NO or NC.

1. To check the current configuration, remove the cover of the transmitter, remove the battery, place back the battery and count how many time the transmitter's LED flashes:

NUMBER OF FLASHES	TYPE OF CONTACT
4	NO
2	NC

In this way we will make sure the default setting is NO as it flashes 4 times.

2. To change the type of contact, first remove the battery. While the button of the transmitter remains pressed, place back the battery (don't forget to keep pressing the button). First it will flash showing the current configuration and afterwards the chosen configuration. Now the button can be released and the change was successfully done. If you would like to make sure of it, repeat step number 1.

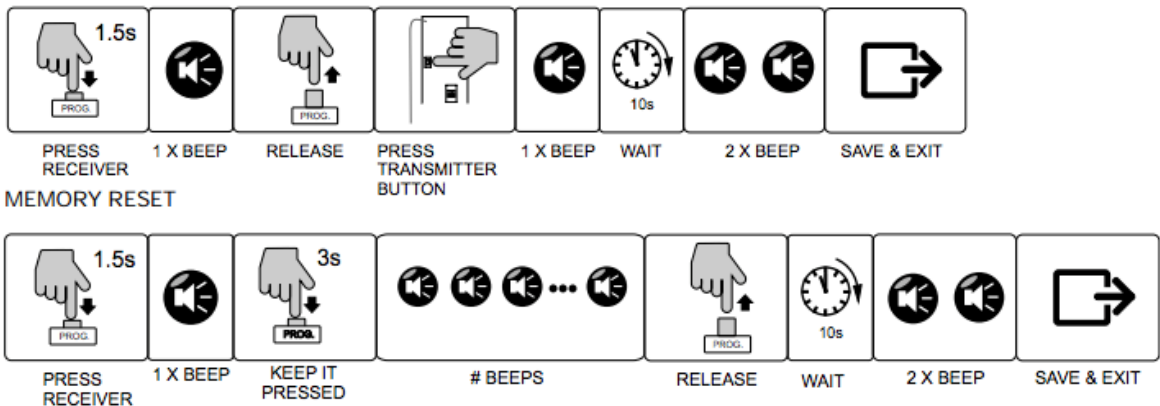
LED INDICATOR

- LED ON: OK
- LED OFF: Obstacle detected

3. LEARNING PROCESS

HOW TO LEARN A TRANSMITTER

BAND WIRELESS



FULL MEMORY INDICATOR

When the memory has been fully used and we try to learn a new transmitter, several beeps will be emitted for 10 seconds to let us know the memory is full.

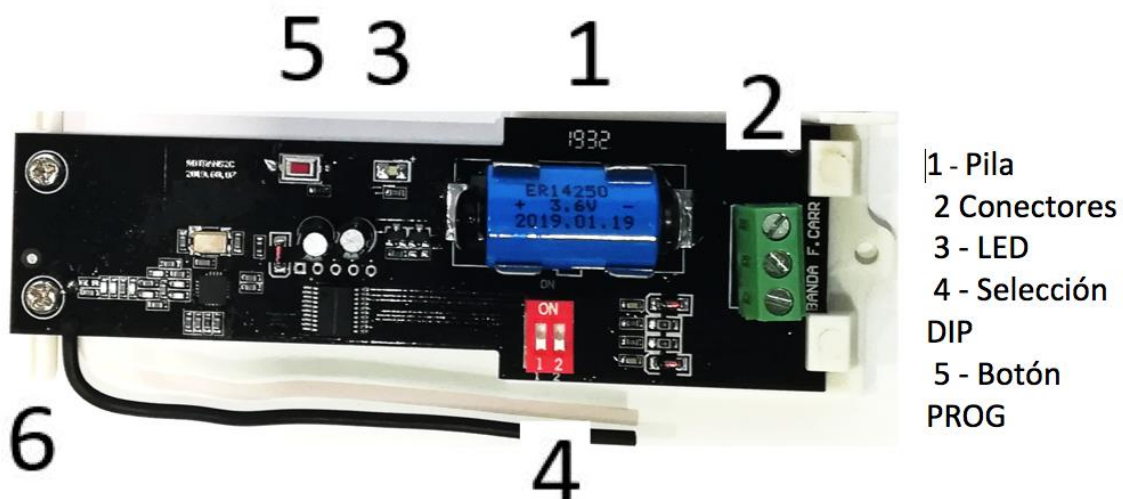
LOW BATTERY INDICATOR

When the battery of the transmitter is low, the receiver will emit 4 short beeps every time it receives a signal from the transmitter. The LED will also flash at the same time.

ATTENTION!!

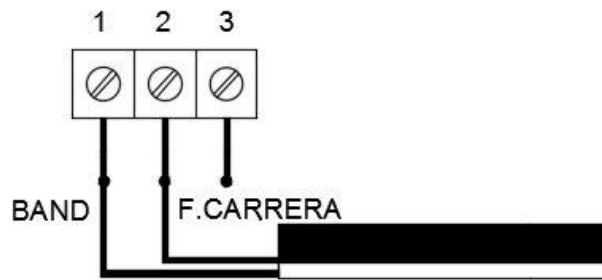
Before you start, make sure the control board is not connected to the power supply. It is recommended to add a protective fuse of 100mA (minimum) or 250mA maximum in the external power supply.

4. HOW TO CONNECT THE TRANSMITTER



COMMON TRANSMITTER WIRING SCHEME

BAND WIRELESS



TECHNICAL CHARACTERISTICS

Supply voltage	
Transmitter	3V (2x CR2032)
Receiver	12/24 (AC/DC)
Characteristics	
Reaction time	<60 ms
Available frequency	868 Mhz
Range	1-60 m
Work temperature	-20°C +55°C
Consumption	
Transmitter	17 mA
Receiver	12V @ 0.5W 24V @ 1.2W