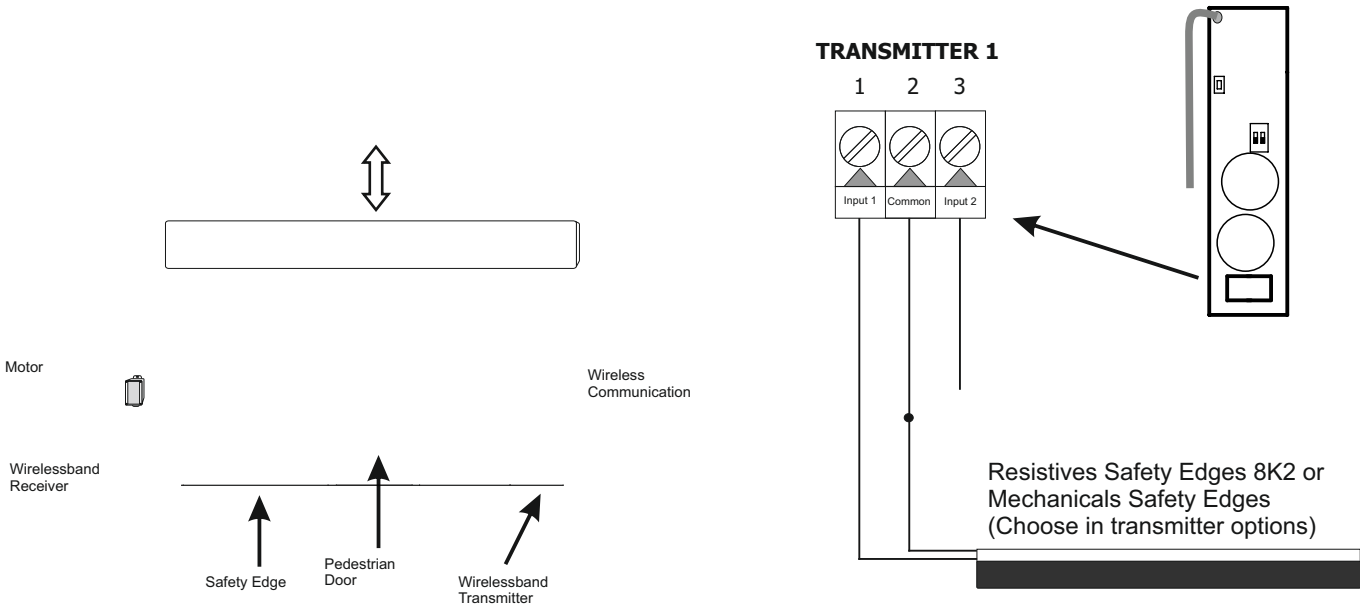


1. GENERAL

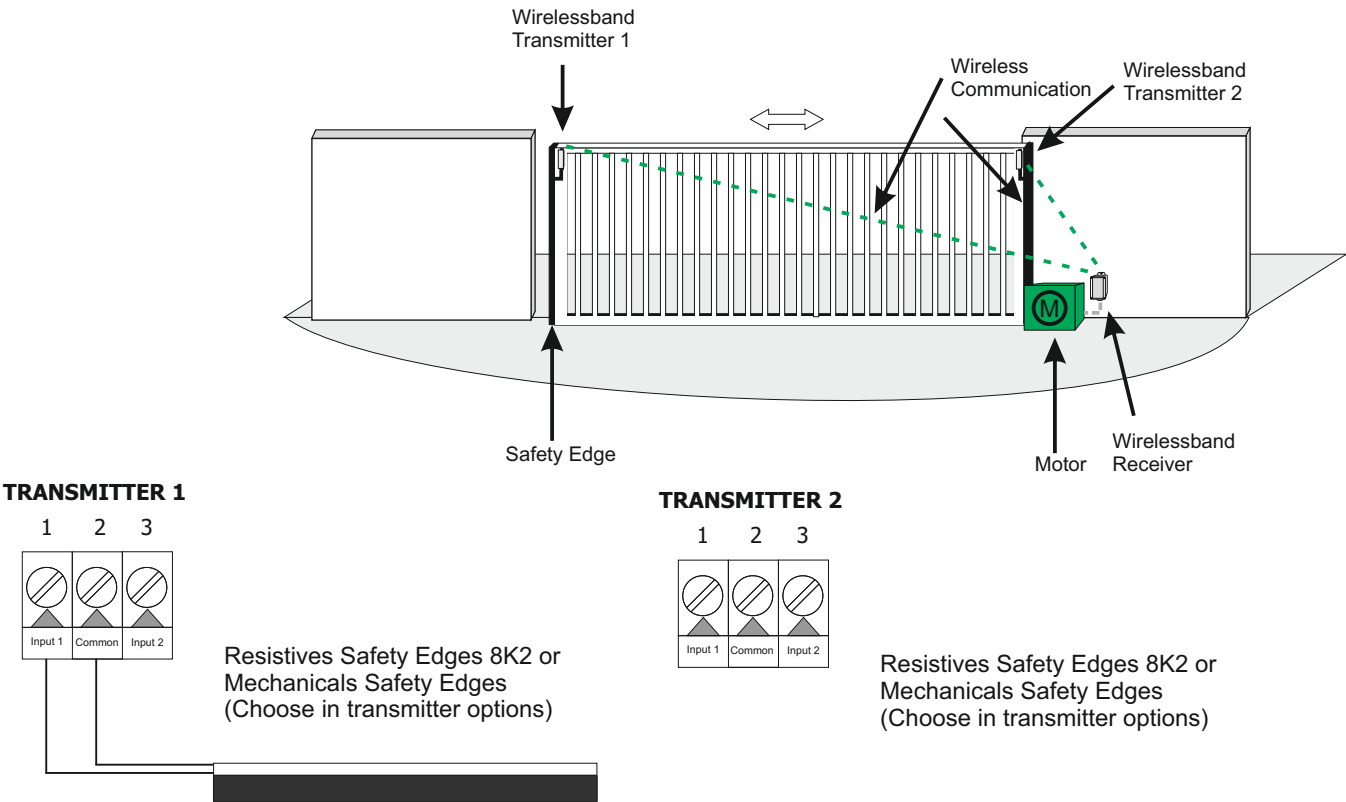
Radio transmission system for resistive safety edges.
The system consists of a transmitter unit and a receiver unit for safety edge (resistive / mechanical) communication to control unit.

2. TRANSMITTER TYPICAL CONFIGURATIONS

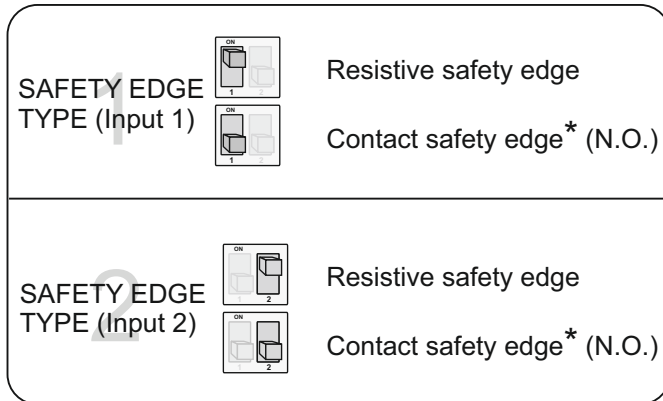
2.1 INDUSTRIAL SECTIONAL DOOR (1 TRANSMITTER 2 CHANNELS)



2.2 SLIDING DOOR (TRANSMITTER 1 CHANNEL 1, TRANSMITTER 2 CHANNEL 2)

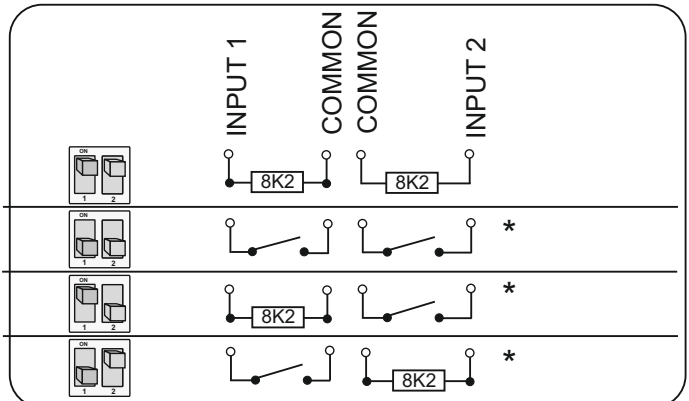


2.3 TRANSMITTER OPTIONS SELECTOR



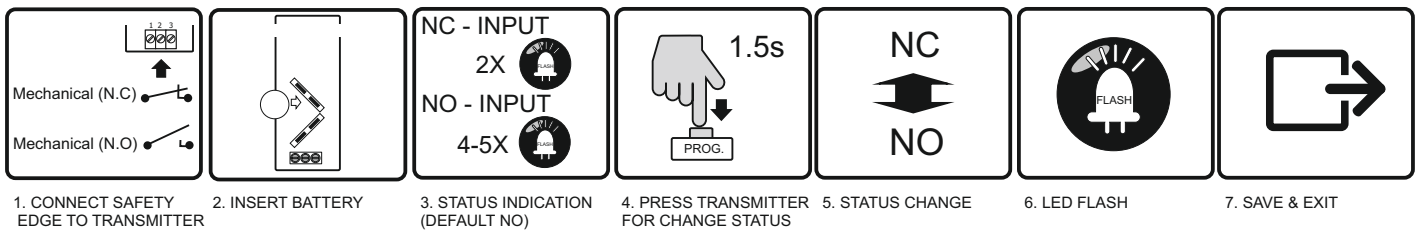
* To change contact from NO to NC, follow point 2.5

2.4 TRANSMITTER OPTIONS COMBINATION



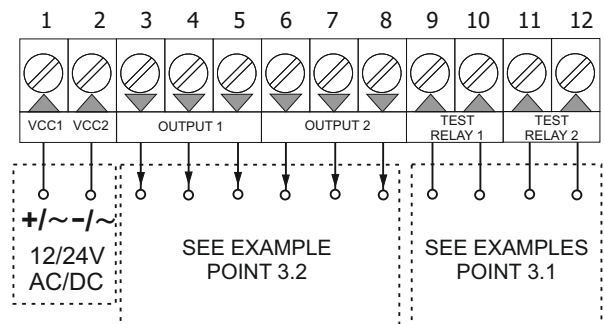
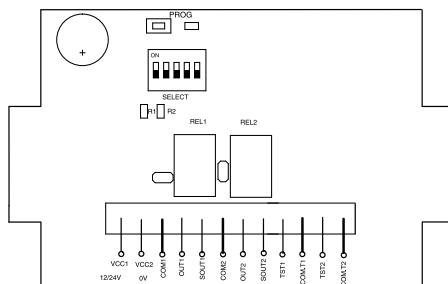
* To change contact from NO to NC, follow point 2.5

2.5 SAFETY EDGE INPUT TYPE SELECTION N.C. or N.O.



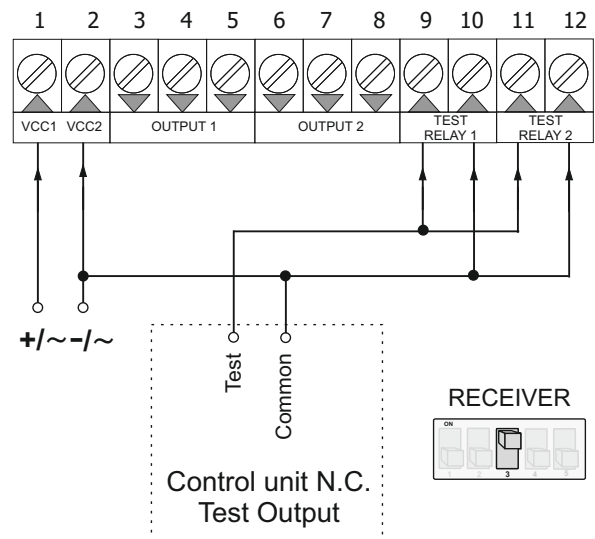
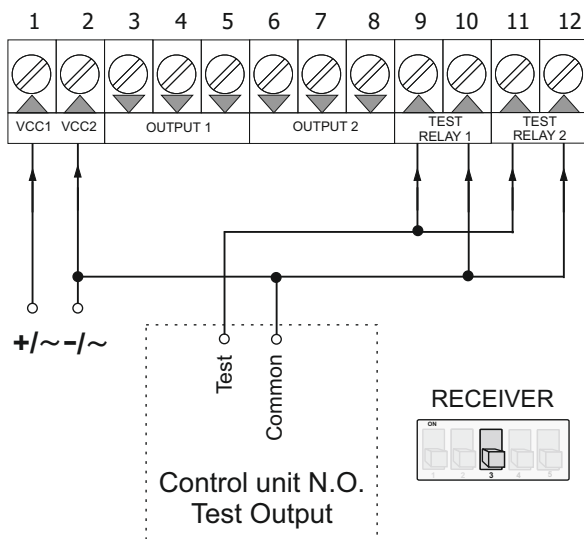
NOTE: You have 5 seconds after launch to make the change of safety edge INPUT TYPE

3. RECEIVER

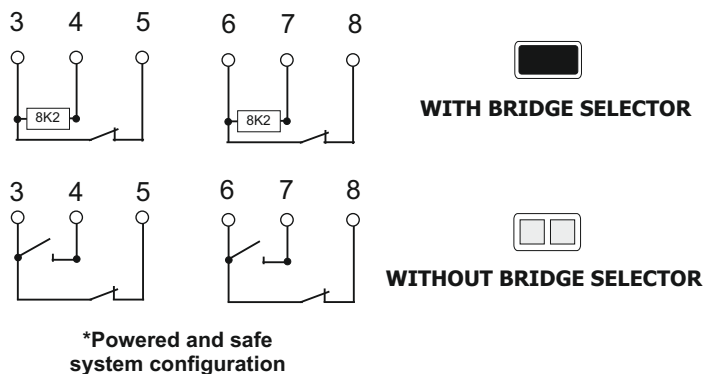


3.1 RECEIVER CONNECTION EXAMPLES (TEST RELAY)

CONTROL UNIT WITH TEST N.O. or N.C. OUTPUT



3.2 RECEIVER OUTPUT CONNECTIONS



3.3 RECEIVER LED INDICATOR



LED ON - Security OK



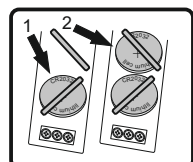
LED OFF - Obstacle detected

3.4 RECEIVER OPTIONS SELECTOR

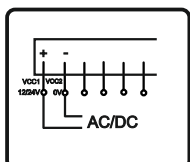
CLASS 2		Enabled (Conforms UNE-EN 13849-2)
		Disabled (Stock configuration)*
TRANSMITTER FREQUENCY		869,85 MHz
		868,95 Mhz*
RELAY TEST TYPE		Normally Close contact
		Normally Open contact*
AUTOMATIC FREQUENCY AGILITY		Enable
		Disable*
TRANSMITTER TYPE		1 CHANNEL
		2 CHANNEL*

*** Default options**

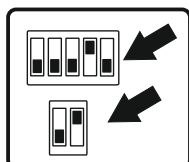
4. START-UP



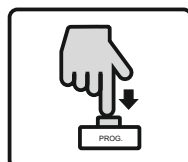
1. INSERT BATTERIES



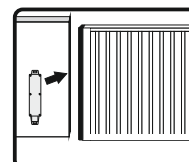
2. CONNECT RECEIVER POWER SUPPLY



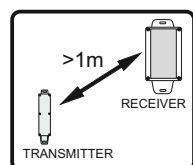
3. CHECK OPTION SELECTORS



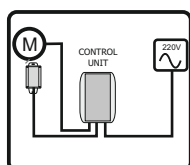
4. CARRY OUT PROGRAMMING PROCESS (POINT 5.)



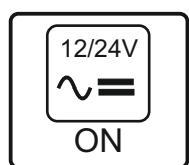
5. INSTALL AND WIRE TRANSMITTER ON DOOR



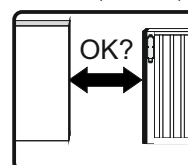
6. MINIMUM DISTANCE 1 m.



7. INSTALL AND WIRE RECEIVER



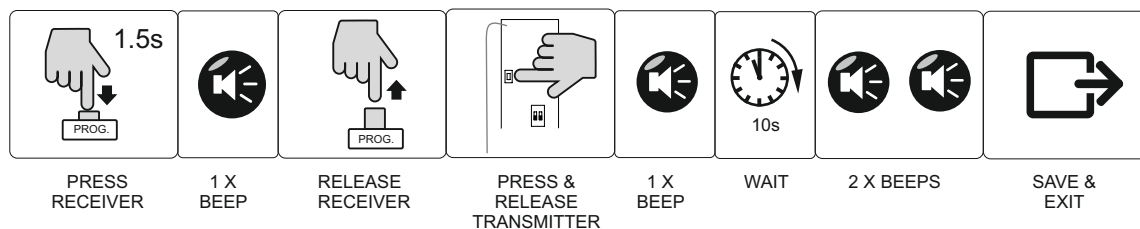
8. TURN ON POWER SUPPLY



9. TEST SAFETY EDGE ON DOOR

5. PROGRAMMING PROCESS

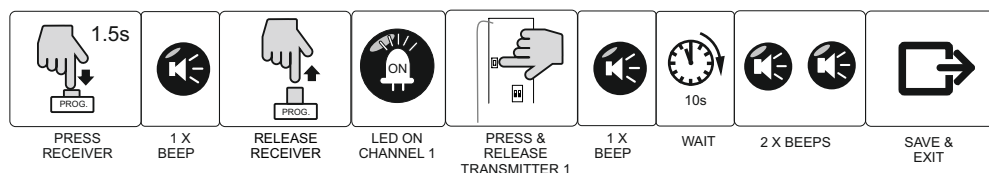
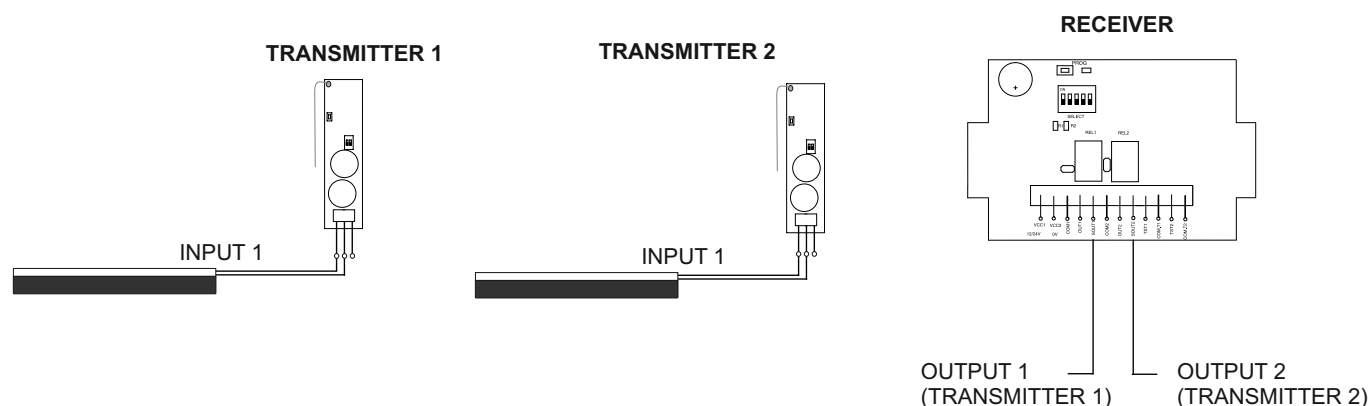
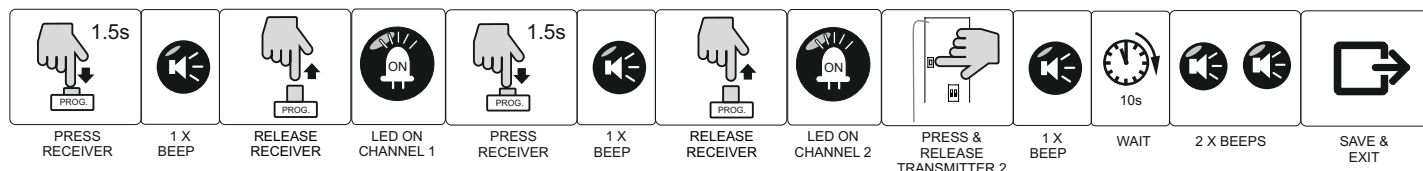
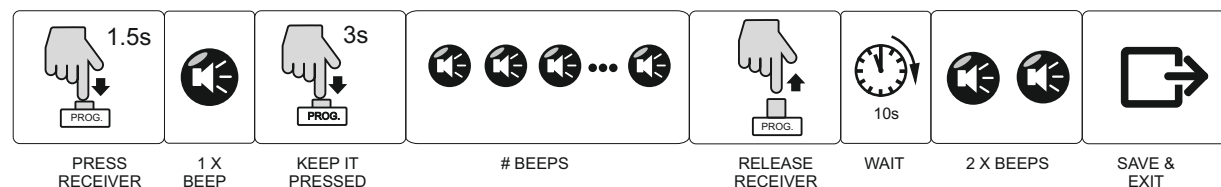
CODE MEMORIZATION 1 TRANSMITTER FOR 2 CHANNELS (DIP-SWITCH 5 - OFF)



NOTE: In Kits, the receiver already has recorded the transmitter.

RECEIVER OPTION 5 (OFF)



CODE MEMORIZATION TRANSMITTER 1 FOR CHANNEL 1 (DIP-SWITCH 5 - ON)**RECEIVER OPTION 5 (ON)****CODE MEMORIZATION TRANSMITTER 2 FOR CHANNEL 2 (DIP-SWITCH 5 - ON)****5.1 MEMORY RESET****MEMORY FULL INDICATOR**

In case of full memory you will hear several acoustic signals for 10 seconds upon trying to memorize a new transmitter.

LOW BATTERY INDICATOR

Low battery indication consists on 4 acoustic sounds each time a message is received from a programmed transmitter. Both, warning LED and buzzer are set on simultaneously.

You should be insert first the battery 1 and later the battery 2. When replacing the batteries, you should not return to memorize the transmitters.

TECHNICAL SPECIFICATIONS

Receiver supply voltage	12/24 AC/DC
Transmitter supply voltage	2x lithium battery 3V DC type CR2032
Receiver memory	7 transmitters for each channel
Receiver Output	2 - Relay, micro disconnection 1B or power free contact
Receiver Power consumption	0.5 W - 12 V / 1,2 W - 24 V
Ball pressure test (IEC 695-10-2)	PCB (125°C) WRAP (75°C)
Pollution degree	2
Protection class (IEC 60529)	Ip55
Frequency Channels	868.95MHz & 869.85MHz
Range	100m
Working temperature	-35°C to +55°C
Software	Class A
Rated transient over voltage	330V
Transmitter power consumption	Transmitting 17mA / stand by 16uA
Machine Security Normative	13849-2:2008 PL-C Categ. 2, with TEST
Battery life	2 years
Reaction time	60 ms (according TÜV test report AV86368T Certificate nº M6A 14 12 90800 001)

WARNING!!

- Installation, start-up, modification and retrofitting of the system may only be carried out by a qualified person.
- Switch off the operating voltage before working on the system.
- The system doesn't have fuse protection. Is recommended include exterior protection minimum 100mA and maximum 250mA.