

1. GENERAL

The system consists of a magnetic detector and a receiver. Its main innovation lies in the wireless communication between the magnetic detector and the receiver, which greatly facilitates installation. Designed for efficient integration, the emitter is easily installed in the ground, ensuring reliable and safe operation.

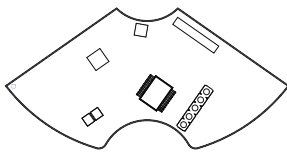
The receiver has two relay outputs for detection and safety (vehicle presence) functions.

1.1 SAFETY INSTRUCTIONS

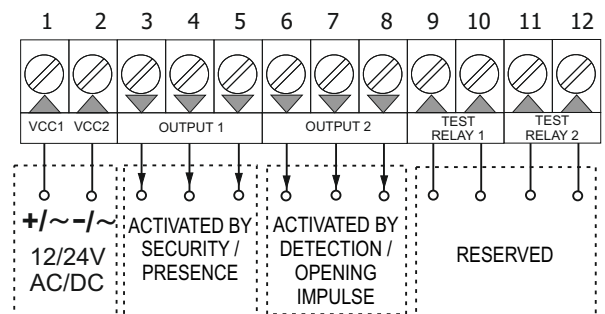
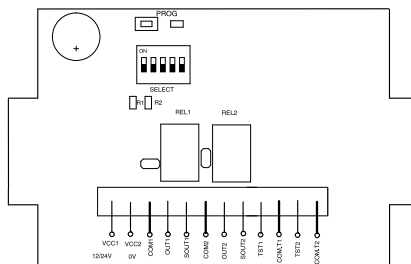
- Reaction time < 60ms
- Device with SELV/PELV Power Supply

2. TRANSMITTER AND RECEIVER TERMINALS

TRANSMITTER

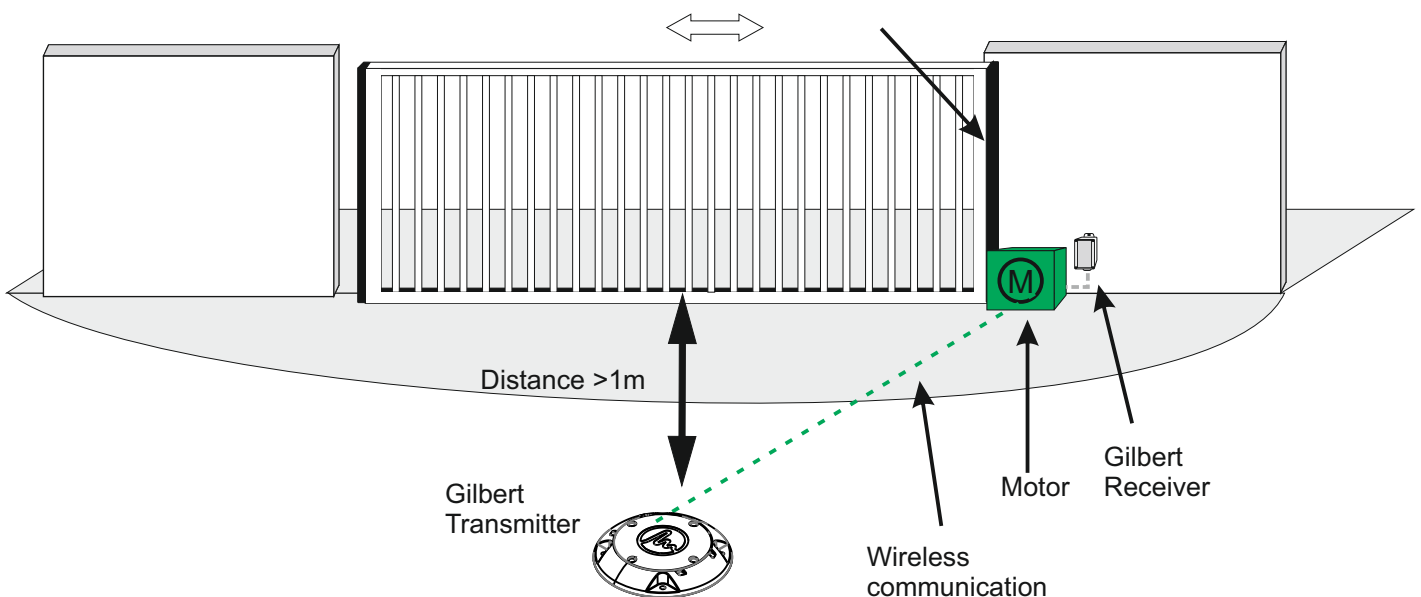


RECEIVER

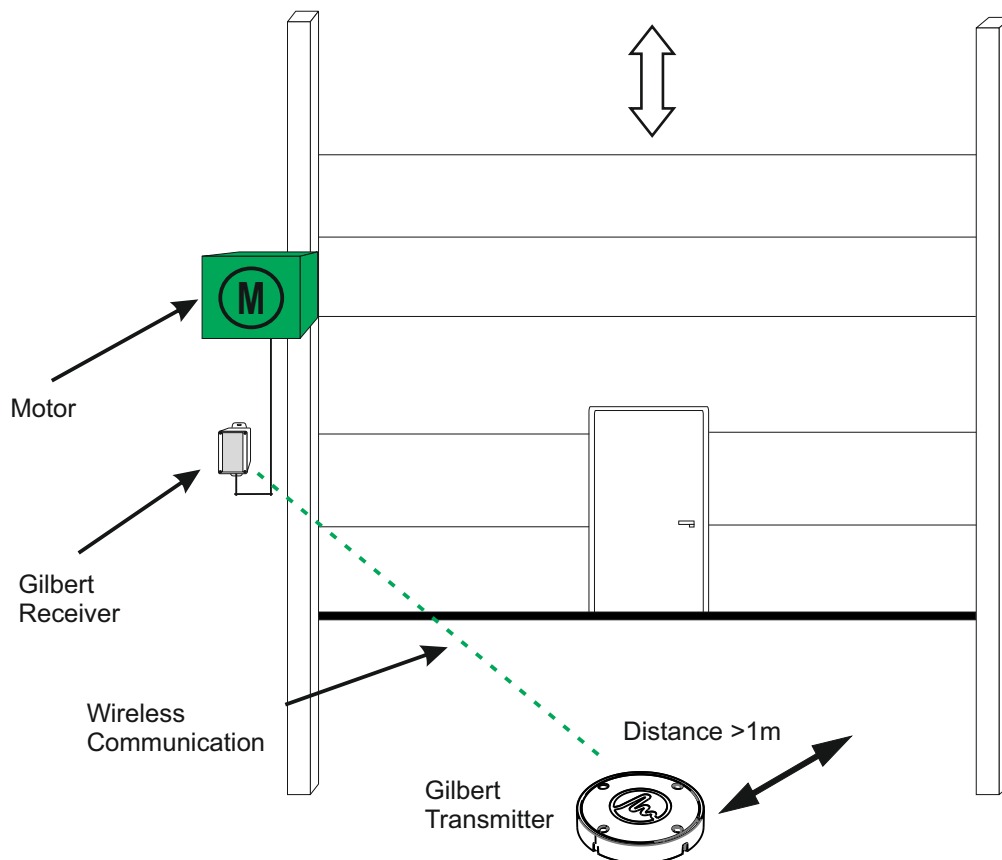


3. INSTALLATION DIAGRAM

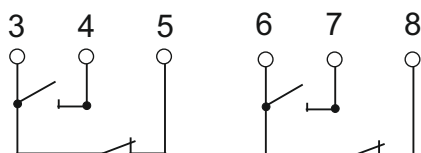
SLIDING DOOR



INDUSTRIAL SECTIONAL DOOR / FAST DOOR



4. RECEIVER OUTPUT CONNECTION



5. RECEIVER LED INDICATOR

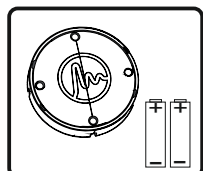


LED ON - Safe status

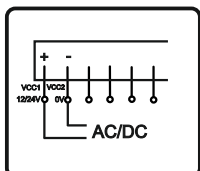


LED OFF - Obstacle detected

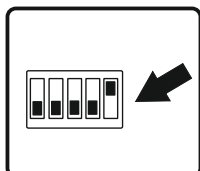
6. START-UP



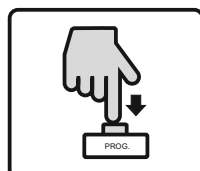
1. INSERT BATTERIES



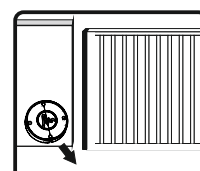
2. CONNECT THE RECEIVER



3. REVIEW CONFIGURATION OPTIONS

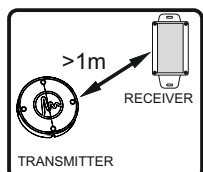


4. CARRY OUT PROGRAMMING PROCESS (SEE POINT 7.)

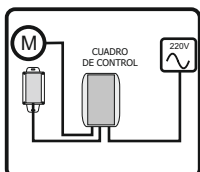


5. INSTALL THE TRANSMITTER

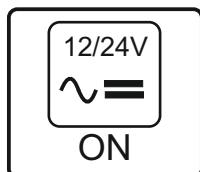
***BY DEFAULT IN THE KIT, THE TRANSMITTER COMES PAIRED WITH THE RECEIVER**



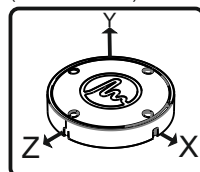
6. MINIMUM DISTANCE 1m.



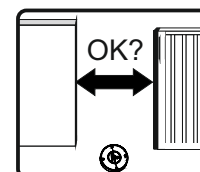
7. INSTALL AND WIRE THE RECEIVER.



8. ACTIVATE POWER SUPPLY



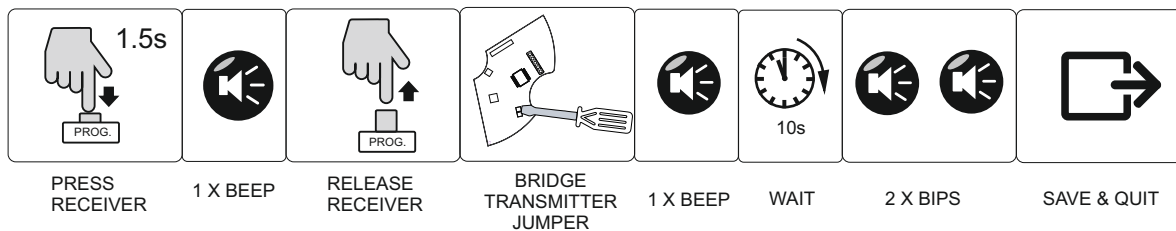
9. FOLLOW AUTO-ADJUSTMENT PROCESS* (SEE POINT 8.)



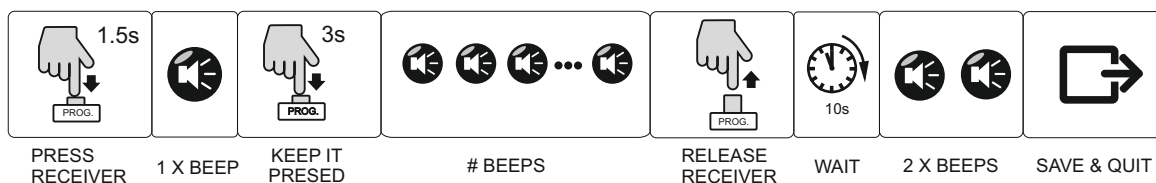
10. PERFORM FUNCTIONAL TEST

7. PROGRAMMING PROCESS

MANUAL PAIRING OF TRANSMITTERS TO THE RECEIVER (up to 7 transmitters per receiver).



MEMORY RESET



MEMORY FULL INDICATOR

Several beeps for 10 seconds when trying to memorize a new transmitter.
The system can store 7 transmitters per channel.

LOW BATTERY INDICATOR

4 beeps each time a message is received from a programmed transmitter. Both, warning LED and buzzer are activated simultaneously.

8. MAGNETIC DETECTOR AUTO-ADJUSTMENT



*During these 120 seconds, the transmitters paired with the receiver readjust to the detection they have in their environment, taking these parameters as the initial value.

9. SELECTOR DE OPCIONES DEL RECEPTOR

CLASS 2		Activada
		Desactivada*
TRANSMITTER FREQUENCY		868,150 MHz
		869,525 Mhz*
SENSITIVITY		Sensitivity 1. Low
		Sensitivity 2. Medium - low
		Sensitivity 3. Medium - high*
		Sensitivity 4. High
DELAY IN PRESENCE DEACTIVATION		Delay 5 seconds.
		No delay (immediate)*

*Default options.

10. OPERATION IN DETECTION

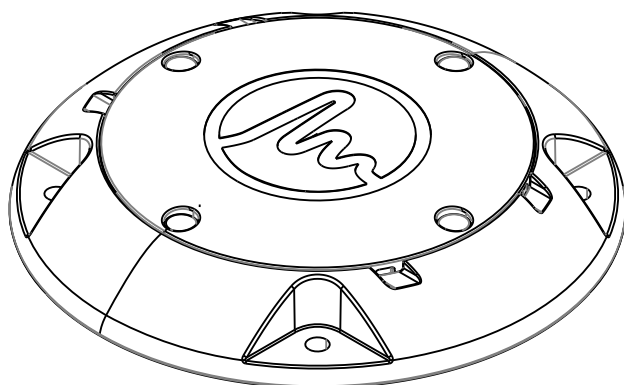
Impulss	OFF	ON	OFF	OFF	OFF
Presence	OFF	ON	ON	ON	OFF
					

When a vehicle is detected, two actions are triggered (if allowed): an input pulse (e.g., to open the door) and a presence signal while the vehicle remains on the loop.

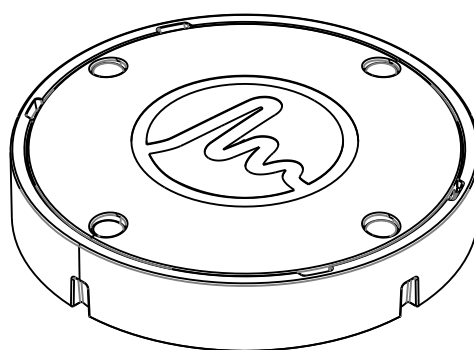
The red LED indicates when a vehicle is being detected.

11. TRANSMITTER ENCAPSULATION

SURFACE



INSERT



TECHNICAL SPECIFICATIONS

Receiver supply voltage	12/24 AC/DC
Transmitter supply voltage	2x AA 3.6v lithium battert
Battery life	4 years
Receiver memory	7 transmitter per receiver
Receiver outputs	2 Relays, Voltage free contact
Receiver power consumption	0.5 W - 12 V / 1,2 W - 24 V
Glow-wire test (IEC 695-10-2)	PCB (125°C) WRAP (75°C)
Degree of protection (IEC 60529)	Ip65 (TX) - IP55(RX)
Frequency channels	868,150 & 869,525MHz
Range	50m
Working temperature	-35°C to +55°C
Software	Class A
Rated transient overvoltage	330V
Transmitter power consumption	Transmitting 17mA / stand by 100uA
Reaction time	Less than 60 ms

WARNING!!

- Installation, start-up, modification and updating 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 to include exterior protection from 100mA to 250mA.
- In case of any hypothetical issue, please do a memory reset (point 7.).

CE DECLARATION OF CONFORMITY
For more information visit the website www.aerf.eu

