

RX MASTER Wi-Fi

Brevettato - Patent EP10706772 - EP2345019

fw 01_04_13



con morsettiera
avec bornes à visser
with terminal block
mit Endblockierung
con regleta



I SCHEDA DI GESTIONE SISTEMA SENZA FILI

⚠ NON POSIZIONARE DIETRO A MURI, PANNELLI METALLICI O ALTRI TIPI DI OSTACOLI CHE POSSANO IMPEDIRE LA COMUNICAZIONE RADIO CON I DISPOSITIVI NOVA Wi-Fi, CMO Wi-Fi E VERTIGO Wi-Fi.

F FICHE DE GESTION SYSTÈME SANS FILS

⚠ NE LES POSITIONNEZ DONC PAS DERRIÈRE DES MURS, PANNEAUX MÉTALLIQUES, OU AUTRES TYPES D'OBSTACLES QUI POURRAIENT COMPROMETTRE LA TRANSMISSION RADIO AVEC LES DISPOSITIFS NOVA Wi-Fi, CMO Wi-Fi ET VERTIGO Wi-Fi.

GB RECEIVER CARD TO MANAGE WIRELESS SYSTEM

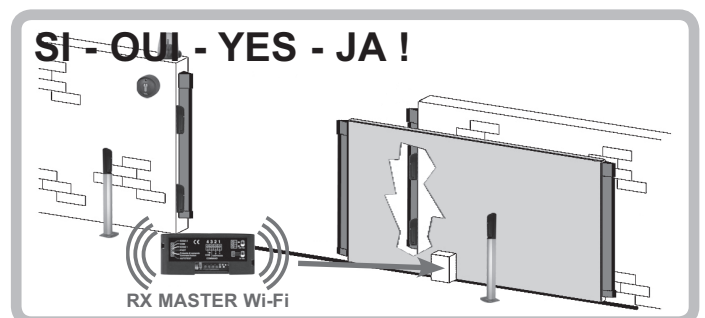
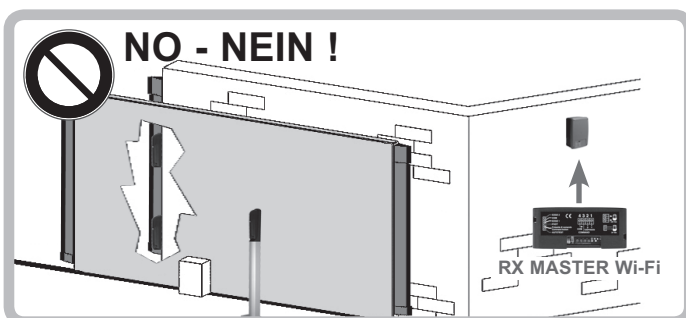
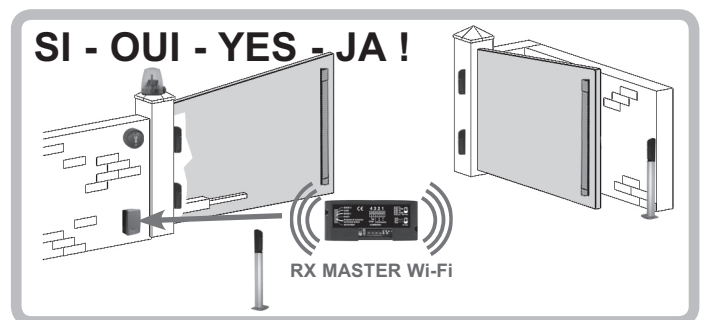
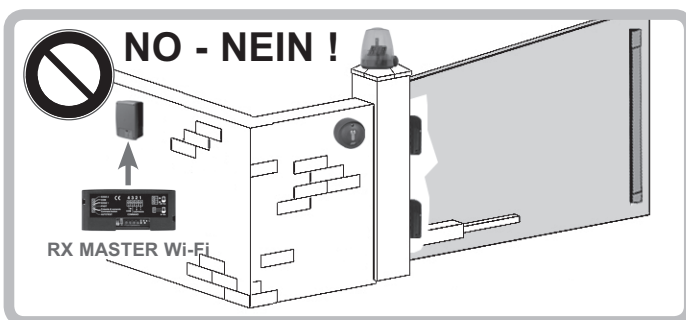
⚠ DO NOT INSTALL IT BEHIND WALLS, METAL FRAMES OR PANELS, OR OTHER KIND OF OBSTACLES THAT COULD PREVENT THE PROPER RADIO COMMUNICATION WITH NOVA Wi-Fi, CMO Wi-Fi AND VERTIGO Wi-Fi ACCESSORIES.

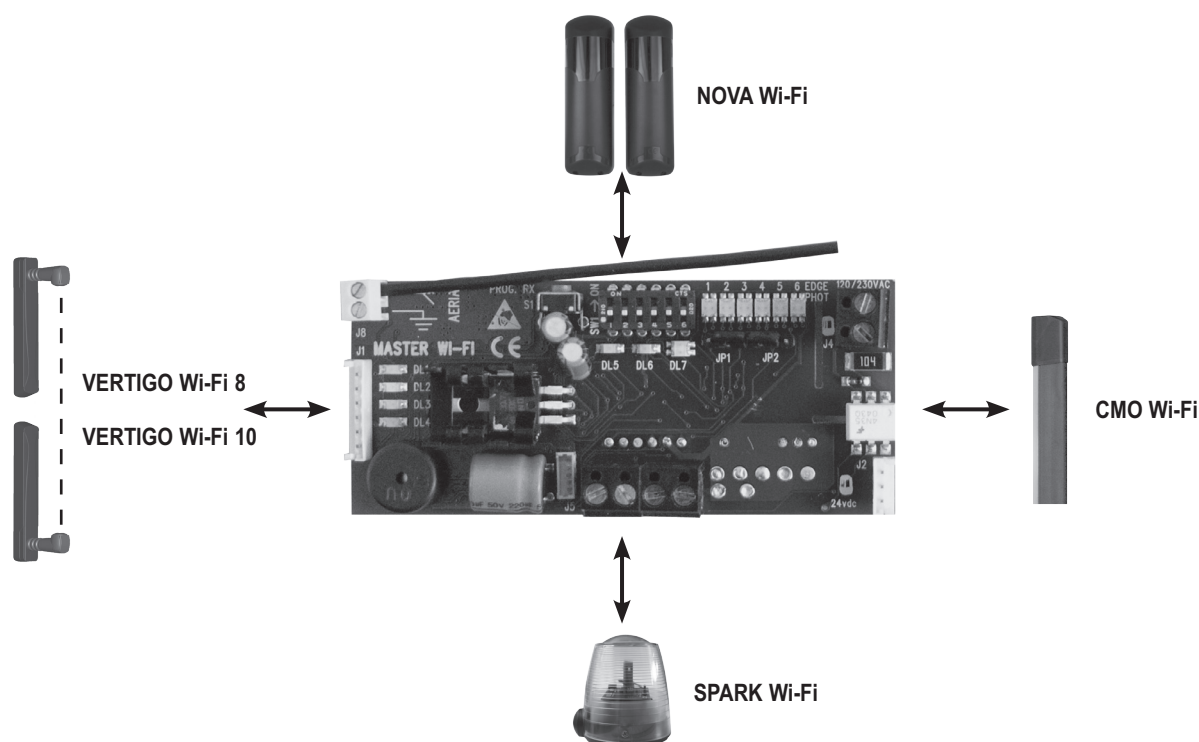
D KARTE FÜR DEN BETRIEB DES SYSTEMS OHNE KABEL

⚠ NICHT INSTALLIEREN HINTER MAUERN, METALLPLATTEN ODER ANDERE ARTEN VON HINDERNISSEN, DIE DEN FUNKVERKEHR MIT NOVA Wi-Fi, CMO Wi-Fi UND VERTIGO Wi-Fi ZUBEHÖR BEEINTRÄCHTIGEN KÖNNEN.

ES FICHA DE GESTION DE SISTEMA SIN CABLES

⚠ NO LO DEBEN INSTALAR EN UN LUGAR DETRÁS DE LAS PAREDES, DE PANELES DE METAL O DE OTRO TIPO DE OBSTÁCULOS QUE PUEDAN IMPEDIR LA COMUNICACIÓN POR RADIO CON LOS ACCESORIOS DE SEGURIDAD NOVA Wi-Fi, CMO Wi-Fi Y VERTIGO Wi-Fi.





The Wi-Fi System complies with the standard EN13849-2:2008 and together with a electronic control panel is a Class 2 protection device.

The Wi-Fi System through the use of the RX MASTER Wi-Fi card permits the construction of a system with NOVA Wi-Fi photocells and CMO Wi-Fi strips which also attach to the moveable panel without the need for a cable collector.

The system constantly monitors the presence of the various safety devices and the status of the batteries, completely meeting the need for active safety for all types of openings.

Using the prepared electronic control panel it is possible for the system to perform an auto test as required by current standards.

Each radio-controlled safety device has its own internal identification code which distinguishes it from the others.

REFERENCE STANDARDS FOR AUTOMATIC DOORS AND GATES

The installer must ensure that the Wi-Fi System is connected as specified by the standard EN12453 as per 5.1.1.6 (points e and f) to an electronic control panel capable of performing an operations check before closing (AUTO TEST).

Once machine installation is complete it must be ascertained that it complies with standard EN13241-1.

The company may not be held responsible for any damage caused by improper, wrong or unreasonable use of the product.

RX MASTER Wi-Fi

This is the heart of the system: it runs all of the control (433,92 MHz), safety and signaling (868,3 MHz) devices programmed in the installation phase.

SAFETY DEVICES

RX MASTER Wi-Fi can operate up to 6 safety devices (NOVA Wi-Fi + VERTIGO Wi-Fi + CMO Wi-Fi) at the same time.

- **NOVA Wi-Fi photocells**: can be connected to a mechanical strip (code or a resistive strip on both the photocell transmitter and the photocell receiver.

- **VERTIGO Wi-Fi photocells**: wireless vertical photocells substituting the sensitive edge.

- **CMO Wi-Fi strip**, with built-in transmitter/receiver.

CONTROLS

It is also possible to connect a wired controls with N.O. contact (key selectors, push-buttons...).

VISUAL SIGNALS

RX MASTER Wi-Fi can operate one or more **SPARK Wi-Fi Blinkers** (868,3 MHz).

RX MASTER Wi-Fi has LEDs for monitoring system status and for identifying photocells or strips with low or exhausted batteries.

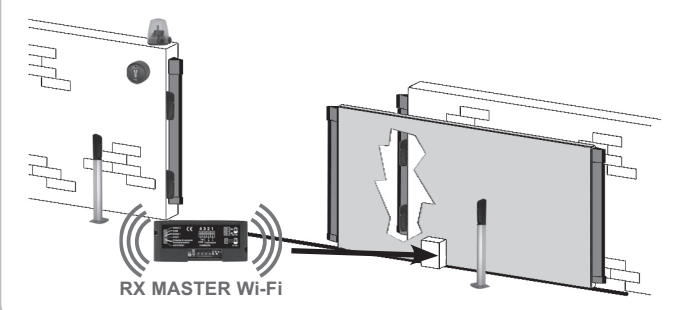
SOUND SIGNALS

RX MASTER Wi-Fi has a buzzer which signals installation phases and a warning if the batteries are low or exhausted or, acts as an alarm in case one of the devices is not functioning.

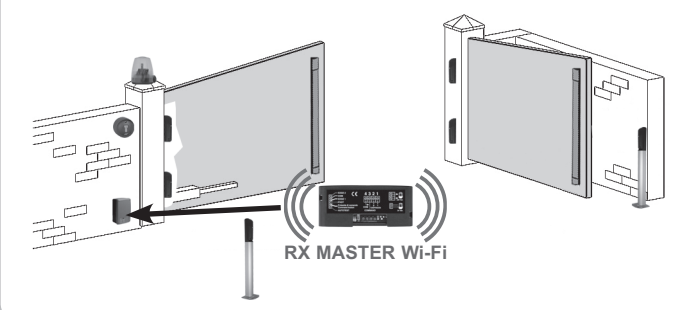
A - INSTALLATION OPTIONS

The Wi-Fi system can be installed on several types of automation (excluding automatic barriers).

SLIDING GATE



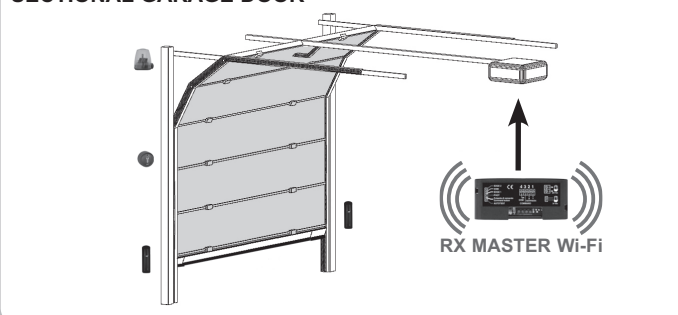
SWING GATE



UP AND OVER GARAGE DOOR



SECTIONAL GARAGE DOOR



B - MOUNTING PROTECTIVE DEVICES

NOVA Wi-Fi PHOTOCELLS

- Attach the NOVA Wi-Fi photocells to the poles or columns about 40÷60 cm from the ground and a maximum of 10 cm from the area of movement or closing or just after the encumbrance of any strip present, a maximum of 20 meters from RX MASTER Wi-Fi.
- Install the receiver in a shaded area or in a position not exposed to horizontal sunlight.
- It is advisable in every case to place the photocells at the same height and in line with each other.
- For the correct positioning of the photocells refer to the user installation manual or to standard EN12445.

VERTIGO Wi-Fi PHOTOCELLS

- Attach the VERTIGO Wi-Fi photocells in the movement or closing area a maximum of 20 meters from RX MASTER Wi-Fi.

CMO Wi-Fi STRIPS

- Attach the CMO Wi-Fi strips in the movement or closing area a maximum of 20 meters from RX MASTER Wi-Fi.

SPARK Wi-Fi BLINKER

- Attach the SPARK Wi-Fi blinker a maximum of 20 meters from the RX MASTER Wi-Fi, so that it is visible.

WARNING:

If you remove the power of the RX MASTER Wi-Fi for a long time, the CMO Wi-Fi safety strips, the NOVA Wi-Fi photocells and the VERTIGO Wi-Fi photocells will exhaust faster than normal the charging of their batteries. Keep the RX MASTER Wi-Fi always properly fed to ensure a period of three years for the batteries-life, as stated.

If for instance, the power to the system is cut off every night, the photocells and the safety strips will regularly and constantly search for the RX MASTER Wi-Fi without finding it. Therefore, the life span of the batteries may be reduce to less than one year.

ATTENTION:

If two RX MASTER Wi-Fi, installed at a distance of about 20 m from one another, are commanded simultaneously, their communication and check signals with the accessories can overlap and interfere with each other, causing the systems to go into alarm.

- If the RX MASTER Wi-Fi card control test fails, the control panel will block the automation, the dual-color LED on the RX MASTER Wi-Fi card indicates a safety outage, alternately flashing red and green.
The buzzer emits an alternating sound for 1 minute to signal the problem.

The alarm status of the buzzer comes on again for 1 minute when a control is given.

If the panel is not equipped with an auto test, the control test is ignored.

E - RX MASTER Wi-Fi POWER

After having made all of the connections, provide power to the control panel with RX MASTER Wi-Fi.

The yellow LED DL6 should come on and the buzzer will emit a sound indicating correct power.

F - IDENTIFICATION OF SAFETY DEVICES

**ATTENTION: BEFORE THE SAFETY STRIPS IDENTIFICATION, CHECK IF THE CONTROL BOARD IS DESIGNED FOR ONE OR TWO INPUTS FOR SAFETY STRIPS CONNECTING.
RUN THE JUMPER JP2 SETTING ACCORDING TO THE NUMBER OF INPUTS FOR SAFETY STRIPS CONNECTING (Pic. 1).**

Every Wi-Fi safety device must **OBLIGATORILY** be identified placing only one of the 6 micro-switches present on its circuit (different for each of the 6 safety devices) in the ON position. Obviously one pair of photocells is considered one safety device and must therefore have a receiver and transmitter with the same DIP in the ON position.

IDENTIFY THE CONTAINERS OF THE SAFETY DEVICES WITH THE NUMBER OF THE ACTIVATED MICRO-SWITCH AND ATTACH THE NUMBERED ADHESIVE STRIP SUPPLIED TO THE OUTSIDE OF EACH CONTAINER.

The adhesive strip serves as a means of quickly identifying the safety device when it needs maintenance.

Note: Each safety device is supplied with the micro-switches in the OFF position so that battery power is not consumed when not in use (if inserted).

Insert the batteries in the Wi-Fi safety devices.

G - MEMORIZATION OF THE SAFETY DEVICES

After having performed the identification of the safety devices, and provided power with the batteries, **place the micro-switches** with the same number of the safety devices on the RX MASTER Wi-Fi **in the ON position** to activate the safety devices to be memorized.

Use the following procedure for memorization:

- **Push the button PROG RX on the RX MASTER Wi-Fi =>** dual-color LED EDGE PHOT 1 flashes red for 1 minute (the time needed for memorization).
- **Push the button PROG TX on the safety device with micro-switch 1 in the ON position =>** on the RX MASTER Wi-Fi the dual-color LED EDGE PHOT 1 flashing red turns green and a sound from the buzzer indicates that the safety device has been memorized correctly, immediately the dual-color LED EDGE PHOT 2 begins flashing red.
- **If there are no other safety devices to be memorized after one minute the dual-color LED EDGE PHOT 2 will turn off or, push the button PROG. RX 4 times to end the memorization procedure =>** all of the dual-color LED EDGE PHOT should be off.

MEMORIZATION OF OTHER SAFETY DEVICES

- **After having memorized the first safety device**, the dual-color LED EDGE PHOT 2 automatically begins flashing red for 1 minute (the time needed for memorization).
- **Push the button PROG. TX on the safety device with micro-switch 2 in the ON position =>** on the RX MASTER Wi-Fi the dual-color LED EDGE PHOT 2 flashing red turns green and a sound from the buzzer indicates that the safety device has been memorized correctly.
- **Follow the same procedure for any other safety devices (up to a maximum of 6).**

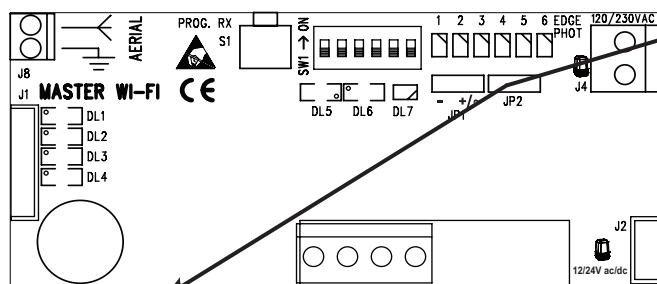
ADDING OTHER SAFETY DEVICES (UP TO 6 TOTAL)

If after installation the use of further safety devices (PHOTOCELLS OR STRIPS) is desired, to increase door safety, it is recommended to:

- Turn off power to the door.
- Place the safety device in the desired position and identify it by moving the internal micro-switch.
- Identify it with the corresponding numbered adhesive strip (see paragraph F - IDENTIFICATION OF Wi-Fi SAFETY DEVICES).
- Enable the micro-switch of the safety device just added on the RX MASTER Wi-Fi card.
- Return power to the door.
- Follow the memorization procedure and system check as indicated previously.

NOVA Wi-Fi AND VERTIGO Wi-Fi PHOTOCELLS SYSTEM CHECK

- Check that the micro-switch selected on the transmitter TX NOVA Wi-Fi is the same as that selected on the receiver RX NOVA Wi-Fi (example 1 ON).



FOR CONTROL PANEL WITH 1 INPUT FOR THE MANAGEMENT OF THE SAFETY EDGES

JP2 DX = RX MASTER Wi-Fi can manage 6 Wi-Fi Safety Edges that operates on 1 output to be connected to the control panel.

EDGE 1 = yellow wire - safety edge in opening and closing (LED EDGE/PHOT available from 1 to 6)

FOR CONTROL PANEL WITH 2 INPUTS FOR THE DIFFERENT MANAGEMENT OF THE SAFETY EDGES IN OPENING AND CLOSING

JP2 SX = RX MASTER Wi-Fi can manage 6 Wi-Fi Safety Edges that operates on 2 different outputs for the management of the safety edges. 3 safety edges can be assigned for each of the 2 outputs.

EDGE 1 = yellow wire - safety edge in opening (LED EDGE/PHOT available from 1 to 3), MICRO-SWITCHES 1-3

EDGE 2 = green wire - safety edge in closing (LED EDGE/PHOT available from 4 to 6), MICRO-SWITCHES 4-6

- Proper function of the TX NOVA Wi-Fi is shown by the green LED which comes on for 10 seconds.
- Push and release the button S3 "PROG. TX" on the NOVA Wi-Fi receiver (it activates for 3 minutes to perform the alignment procedure). If the photocells are already aligned the red LED emits a constant light. If the red LED is off or emits a flashing light, perform the alignment until it emits a constant light.
- After the alignment check by placing an obstacle that the red LED turns off and that at the same time the dual-color LED EDGE PHOT associated with it during memorization shines green on the RX MASTER Wi-Fi for the time that the obstacle is present.
- On the RX MASTER Wi-Fi card, LED DL3 should also be off indicating a proper exchange of the dedicated input with the PHOT on the control panel.
- Repeat the procedure on the other installed NOVA Wi-Fi photocells.
- Perform a function check of all the installed photocells, activating the movement of the automation and checking that by placing an obstacle the automation stops/reverses when closing, or stops/continues to open when opening.

CMO Wi-Fi STRIP SYSTEM CHECK

After having calibrated the CMO Wi-Fi strip correctly:

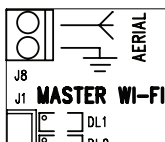
- Push the contact of a CMO Wi-Fi strip (for example: safety device number 3).
- On the RX MASTER Wi-Fi check that the corresponding LED EDGE PHOT 3 flashes green and that the paired LED DL2 momentarily turns off and then turns on.

ATTENTION: after receiving the first signal, other signals are ignored for 2 seconds. If there is a signal in these 2 seconds it will be from the LED EDGE PHOT 3 which turns green.

- Repeat the LED activation check on the RX MASTER Wi-Fi pushing the other CMO Wi-Fi strips installed.
- Perform a final check of all of the strips installed, activating the movement of the automation and ensuring that upon impact with the strip the automation stops/reverses movement.

ANTENNA

In order to communicate with 868 MHz Wi-Fi safety devices, RX MASTER Wi-Fi is equipped with a piece of electric wire that acts as an antenna linked to the J8 terminal. If it is necessary to improve the radio signal (for example RX MASTER Wi-Fi installed in a metallic connector), connect the 868.3 MHz antenna to the J8 terminal, ensuring the correct connection of the central wire and the earth wire, and **position it in such a way so that it is "in view" of all safety devices.**



To ensure the system functions correctly it is necessary that between the RX MASTER Wi-Fi and the safety devices there are no obstacles such as reinforced cement walls, iron surfaces, etc. that could obstruct the radio communications and consequently reduce the battery life of the safety devices.

NOVA Wi-Fi AND VERTIGO Wi-Fi PHOTOCELLS ALARM SIGNAL CHECK

Check that by taking the battery out of the photocell receiver with micro-switch, for example 3 in the ON on position, and commanding the door to open, the dual-color LED3 on the RX MASTER Wi-Fi alternates green and red, while LEDs DL2 and DL3 turn off, and that the buzzer emits an alternating sound for 1 minute.

Repeat the check for any other photocell receivers installed.

Note: if when removing the battery and commanding the door to open the buzzer on the RX MASTER Wi-Fi does not sound, micro-switch 3 on the RX MASTER Wi-Fi is in the OFF position (go-ahead not enabled). Turn it to ON.

CMO Wi-Fi STRIP ALARM SIGNAL CHECK

Check that by taking the battery out of the transmitter with micro-switch, for example DIP3 in the ON position, the dual-color LED EDGE PHOT 3 on the RX MASTER Wi-Fi lights flashing red while LED DL2 turns off, and that the buzzer emits every 3 seconds sound for 1 minute.

Repeat the check for any other strips installed.

Note: if the battery is removed and the buzzer on the RX MASTER Wi-Fi does not sound, micro-switch 3 on the RX MASTER Wi-Fi is in the OFF position (go-ahead not enabled). Turn it to ON.

WARNING (replace the batteries)

The WARNING tells the user of the immediate need to replace the batteries. When battery power reaches 2,3V for NOVA Wi-Fi and 3V for CMO Wi-Fi, the NOVA Wi-Fi photocell receiver or the strip signal the RX MASTER Wi-Fi via radio of the low battery status and activate the BUZZER of the RX MASTER Wi-Fi with a sound every 3 seconds for 1 minute.

The warning is renewed for 1 minute if a command is given to the door.

The dual-color LED on the RX MASTER Wi-Fi corresponding to the photocell or the strip with the low batteries emits a constant red light.

The SPARK Wi-Fi blinker (if available) indicates the warning by emitting 2 consecutive flashes followed by a pause for 3 seconds for the duration of the opening or closing of the door.

The system is still operational during these signals, but it is advantageous to replace the batteries as soon as possible in order to avoid a full stop of the door operation which happens when the batteries reach 2,0 V for NOVA Wi-Fi and 2,7 V for CMO Wi-Fi.

ALARM (batteries completely exhausted or not working)

The alarm activates when the batteries are completely exhausted (2V for NOVA Wi-Fi and 2,7V for CMO Wi-Fi) or when they stop working.

On RX MASTER Wi-Fi the LEDs DL2 and DL3 turn off RX MASTER Wi-Fi blocks the automation.

On RX MASTER Wi-Fi the dual-color LED corresponding to the photocell or the strip with the low or non-functioning batteries flashes red. The BUZZER emits a sound every 3 seconds for 1 minute, while the SPARK Wi-Fi blinker (if available) signals the alarm status by emitting emitting 2 consecutive flashes followed by a pause for 3 seconds, notifying the user that the batteries must be replaced or repaired.

The alarm is renewed for 1 minute if a command is given to the door.

TOTAL REMOVAL PROCEDURE FOR MEMORIZED SAFETY DEVICES

To perform a total removal of the safety devices (NOVA Wi-Fi and CMO Wi-Fi) recorded in the RX MASTER Wi-Fi memory just push and hold the button PROG. RX for 10 seconds.

After 10 seconds all of the dual-color LEDs (from EDGE PHOT 1 to EDGE PHOT 6) will flash alternately 6 times, indicating successful removal.

Afterwards the dual-color LED EDGE PHOT and LEDs DL2 and DL3 will turn off.

ATTENTION: WITH LED DL1, DL2 AND DL3 OFF AUTOMATION DOES NOT WORK.

REMOVAL PROCEDURE FOR A SINGLE SAFETY DEVICE (PHOTOCCELL OR STRIP)

In order to remove a single memorized safety device on the RX MASTER Wi-Fi, use the following procedure:

- Push the button PROG. RX one or more times to select the dual-color LED EDGE PHOT which begins flashing green, corresponding to the safety device to be eliminated.
- After selecting the safety device, push and hold the button PROG. RX for 10 seconds.
- After 10 seconds the dual-color LED EDGE PHOT flashes alternately red and green 6 times, indicating successful removal.

ATTENTION: Place the micro-switch corresponding to the eliminated safety device in the OFF position, then scan the dual-color LED pushing the button PROG. RX 6 times. **IMPORTANT:** Remove the batteries from the eliminated safety device.

REPLACING THE BATTERIES

The lifespan of the 1.5 V AA batteries used in the safety devices is about 3 years.

In case it is required to replace the batteries, it will not be necessary to re-program the photocells, nor any other Wi-Fi accessories.

- Identify the safety device with the exhausted batteries by checking the diagnostic of the LED EDGE PHOT on the RX MASTER Wi-Fi.
- Using the number on the side of the dual-color LED EDGE PHOT which is flashing red or that emits a constant red light identify the number of the safety device with the exhausted batteries.
- Find the NOVA Wi-Fi or CMO Wi-Fi device with the adhesive strip bearing the identification number corresponding to the number of the dual-color LED which is in alarm status on the RX MASTER Wi-Fi.
- Replace the batteries, checking that the polarity is correct.
- Push button PROG TX on the NOVA Wi-Fi or CMO Wi-Fi to restart the RX MASTER Wi-Fi.
- The buzzer on the strip of the RX MASTER Wi-Fi will turn off and the LEDs DL2- DL3 (if in alarm status) will come on. The dual-color LED corresponding to the safety device with the replaced batteries will turn off.

The automation is now ready for safe operation.

ATTENTION: Please remember that batteries must be disposed of properly according to current standards. In case of disposal of the safety devices please remember to remove the AA batteries and dispose of them properly

H - PROGRAMMING THE SPARK Wi-Fi BLINKER

- Push and hold the button PROG. RX on the RX MASTER Wi-Fi for at least 3 seconds.
- After releasing the button PROG. RX the dual-color LED DL7 will begin flashing red for 10 seconds.
- Push the button S4 PROG. TX on the SPARK Wi-Fi blinker to send a radio signal to the RX MASTER Wi-Fi.
- Successful memorization is indicated by a sound from the buzzer and the red dual-color LED DL7 on the RX MASTER Wi-Fi turning green, while the red LED DL7 on the SPARK Wi-Fi card flashes 3 times.
- Allow 10 seconds to pass to conclude programming, or push button PROG. RX on the RX MASTER Wi-Fi for a moment.
- Replace the casing.
- Mount the diffuser and attach it with the screws provided.

More than one blinker can be memorized by the RX MASTER Wi-Fi.

Each SPARK Wi-Fi blinker receives during the memorization one single identic code from the RX MASTER Wi-Fi to which it is paired up.

When the RX MASTER Wi-Fi is activated by a command, all SPARK Wi-Fi blinkers memorized in it will start blinking simultaneously.

SYSTEM CHECK

Give a command to the door and check that the SPARK Wi-Fi blinker flashes correctly.

TECHNICAL SPECIFICATIONS

- POWER	12/24 Vac/dc
- APPLICABLE TENSION ON CONTACT J4	120/220/230V 50/60Hz
- APPLICABLE TENSION ON CONTACT J2	12/24V ac/dc
- ABSORPTION AT REST	40 mA
- MAXIMUM ABSORPTION	100 mA
- WORKING TEMPERATURE	-20°C ÷ +60°C
- SIZE	125x55x28 mm
- WEIGHT	0,090 kg

SAFETY DEVICES AND SIGNALING RADIO FREQUENCY SIGNAL TECHNICAL INFORMATION

- FREQUENCY	868,3 MHz
- SENSITIVITY	-108 dBm
- EMITTING POWER	<25 mW
- MODULATION TYPE	FSK
- RANGE	20 m in open spaces

TROUBLESHOOTING

PROBLEM	CHECK
The gate would not move, the buzzer is emitting an alternating sound, and one of the LED is blinking red/green.	If two RX MASTER Wi-Fi, installed at a distance of about 20 m from one another, are commanded simultaneously, their communication and check signals with the accessories can overlap and interfere with each other, causing the systems to go into alarm. Move the two RX MASTER Wi-Fi away from each other over the 20 m.
The gate would not move, the buzzer is emitting an alternating sound, and one of the LED is blinking red/green, OR the gate is trying to open/close, but stops almost immediately, the buzzer is emitting an alternating sound, and one of the LED is blinking red/green.	Failed control between RX MASTER Wi-Fi and the safety accessories, either the photocells or the safety edges: - Install the 868MHz aerial (code ACG5451) on the RX MASTER Wi-Fi to guarantee the correct communication between the RX MASTER Wi-Fi and the safety accessories installed. Attention: The aerial must be placed in sight of all the safety accessories installed. If the indication of failure persists, check the level of charge of the batteries, and if not adequate, replace them.
All of the LEDs on the RX MASTER Wi-Fi are off	Ensure that 12 or 24 V ac/dc power is present to the power feed terminals of the RX MASTER Wi-Fi
During memorization of the safety devices the buzzer sounds for 3/5 second	It has been tried to memorize a safety device with wrong microswitch. Verify that the dual-color led that flashes on RX MASTER Wi-Fi corresponds at the safety device microswitch to memorize.
During memorization of the safety devices the buzzer sounds 2 twice	A safety device is already in the memory
When giving a command the buzzer sounds 3 times	- No safety device has been memorized, memorize at least one or - The DIP corresponding to the safety devices memorized on the RX MASTER Wi-Fi card are OFF. Turn them to ON
When giving a command the buzzer sounds 4 times	Possible cable missing between the RX MASTER Wi-Fi and the door control card: - Blinker to card connection wires detached or - Strip to card connection wires detached or - Photocell to card connection wires detached
The buzzer sounds 5 times when the strip connected to the photocell receiver is pressed	Contact configuration error with the strip connected to the photocell receiver
When giving a command the buzzer sounds 5 times	- Resistance not connected in series with the N.C. contact of the strip connected to the photocell receiver or - Wires detached on the strip with N.O. contact or - Resistance not connected in series with the N.C. contact of the strip or - Wires detached on the strip with N.O. contact connected to the photocell receiver
The buzzer emits a sound every 3 seconds and the blinker during the gate operation flashes 2 times in succession followed by a pause of 3 seconds for 1 minute and one of the dual-color leds is ignited red fixed	Replace the batteries of the photocell(s) or the strip(s) as they are low
The gate doesn't move, the buzzer emits a sound every 3 seconds and the blinker flashes 2 times in succession followed by a pause of 3 seconds for 1 minute and one of the dual-color leds lights flashing red	Replace the batteries of the photocell(s) or the strip(s) as they are exhausted
LED DL2 is off and one of the dual-color LED EDGE emits a constant green light	- Wires detached on the strip with N.C. contact or - Ensure that there is resistance of 8,2 kΩ in series with the N.O. contact of the strip connected to the photocell receiver
The buzzer does not sound when the batteries are removed from the strip	Ensure that the micro-switch on the RX MASTER Wi-Fi corresponding to the strip is in the ON position
The door does not open or close and one of the dual-color LEDs emits a constant green light	- Photocell is not aligned or it is engaged. The batteries in the photocell transmitter are exhausted or - resistance of 8,2 kΩ is not connected in series with the N.C. contact or in parallel with the N.O. contact of the strip connected to the photocell transmitter or - resistance of 8,2 kΩ is not connected in parallel with the N.O. contact of the strip connected to the photocell transmitter
The door does not open or close, the buzzer emits a sound every 3 seconds and the blinker flashes 2 times in succession followed by a pause of 3 seconds for 1 minute and one of the dual-color LEDs lights flashing red	Photocell or strip receiver batteries are exhausted
The strip connected to the photocell transmitter or receiver does not work as a safety device	Check the correct setting of the jumper of the photocell transmitter/receiver. If the jumpers are correctly setting, remove and put again the batteries.



ATTESTATO DI CONFORMITA' STATEMENT OF CONFORMITY

Ref. n. 12.136

alle prescrizioni tecniche contenute nelle seguenti Norme e/o specifiche tecniche
according to the technical requirements of the following Standard and/or technical specifications
EN 12978 (2003) + A1 (2009) parr. 4.1 e 4.2; cap. 5 e 6 Industrial, commercial and garage doors and
gates - Safety devices for power operated doors and gates - Requirements and test methods

Identificazione del prodotto:
Product identification :

**MASTER WI-FI + NOVA WI-FI + CMO WI-FI + SPARK
WI-FI-Fi**

Descrizione prodotto:
Product description:

**SAFETY DEVICE FOR POWER OPERATED DOORS AND
GATES composed by: MAIN UNIT; PHOTOCELLS;
EDGE; BLINKER**

Rif. Rapporto tecnico di prova:
Ref. Technical test report:

**MAC.TR.10.0518; SAF.TR.10.0517; CLI.TR.10.0519;
IPTR.10.0521; 100245MEC00_00
SAF.TR.10.0525; MAC.TR.10.0530; CLI.TR.10.0527;
IP.TR.10.0529; SAF.TR.10.0533**

Rif. Doc. Fabbricante

Dichiarazione identità del 28/03/2012

Fabbricante :
Manufacturer :

**DFM AUTOMAZIONE SNC
V.le delle Industrie 16/C - 20040 Cambiago (Milano) -
ITALY**

Si richiama l'attenzione del Costruttore che il presente Certificato consente di apporre sul prodotto sopradescritto la
marcatrice di conformità CE e di redigere la Dichiarazione di conformità CE quando sono soddisfatte tutte le altre
disposizioni della sopracitata Direttiva e, qualora sia disciplinato da altre direttive relative ad aspetti diversi e che
prevedono l'apposizione della stessa marcatura, di tutte queste altre direttive.

*This certificate allows the firm to affix on the above mentioned product the CE marking and to prepare the EC Declaration of
conformity when are fulfilled all other requirements of the aforementioned Directive and, where the same product is the subject
of other Directives providing for the CE marking, when complies with the relevant requirements of those other Directives.*

Faloppio, 05/04/2012

Giovanni Molteni
Technical Manager

European Notified Body

Sede legale : 22100 Tavernola (CO) Via Conciliazione, 1 Cod. FISC. e N. R.I. CO 02635860139
Sede operativa : Laboratori Via Campagna, 92 22020 Faloppio fraz. Gaggino (CO) Tel. +39 03135000.11 Fax +39 031991309





ATTESTATO DI CONFORMITA' STATEMENT OF CONFORMITY

Ref. n. 12.137

alle prescrizioni tecniche contenute nelle seguenti Norme e/o specifiche tecniche
according to the technical requirements of the following Standard and/or technical specifications

- EN ISO 13849-2 (2008) con validazione in categoria 2

che conferiscono presunzione di conformità ai requisiti essenziali di sicurezza e di tutela della salute stabiliti dalle Direttive CEE n. 2006/42/CE coperti da tale norma armonizzata

which give compliance with the essential health and safety requirements stated by EC Directives n. 2006/42/CE covered by such a harmonised standard

Identificazione del prodotto:
Product identification :

**MASTER WI-FI + NOVA Wi-Fi + CMO WI-FI +
SPARK Wi-Fi**

Descrizione prodotto:
Product description:

**SAFETY DEVICE FOR POWER OPERATED DOORS AND
GATES composed by: MAIN UNIT; PHOTOCELLS;
EDGE; BLINKER**

Rif. Rapporto tecnico di prova:
Ref. Technical test report:

MAC.TR.10.0515

Rif. Doc. Fabbrikante

Dichiarazione identità del 28/03/2012

Fabbrikante :
Manufacturer :

**DFM AUTOMAZIONE SNC
V.le delle Industrie 16/C - 20040 Cambiago (Milano) -
ITALY**

Si richiama l'attenzione del Costruttore che il presente Certificato consente di apporre sul prodotto sopradescritto la marcatura di conformità CE e di redigere la Dichiarazione di conformità CE quando sono soddisfatte tutte le altre disposizioni della sopracitata Direttiva e, qualora sia disciplinato da altre direttive relative ad aspetti diversi e che prevedono l'apposizione della stessa marcatura, di tutte queste altre direttive.

This certificate allows the firm to affix on the above mentioned product the CE marking and to prepare the EC Declaration of conformity when are fulfilled all other requirements of the aforementioned Directive and, where the same product is the subject of other Directives providing for the CE marking, when complies with the relevant requirements of those other Directives.

Faloppio, 05/04/2012

Giovanni Molteni
Technical Manager

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MADE IN ITALY

Questo prodotto è stato completamente progettato e costruito in Italia · Ce produit a été complètement développé et fabriqué en Italie · This product has been completely developed and built in Italy · Dieses Produkt wurde komplett in Italien entwickelt und hergestellt · Artículo totalmente proyectado y producido en Italia

DFM Automazione Snc

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