



V2 S.p.A.

Corso Principi di Piemonte, 65/67 - 12035 RACCONIGI (CN) ITALY

tel. +39 01 72 81 24 11 fax +39 01 72 84 050

info@v2home.com www.v2home.com



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NEXT VAC050

Fig. 1

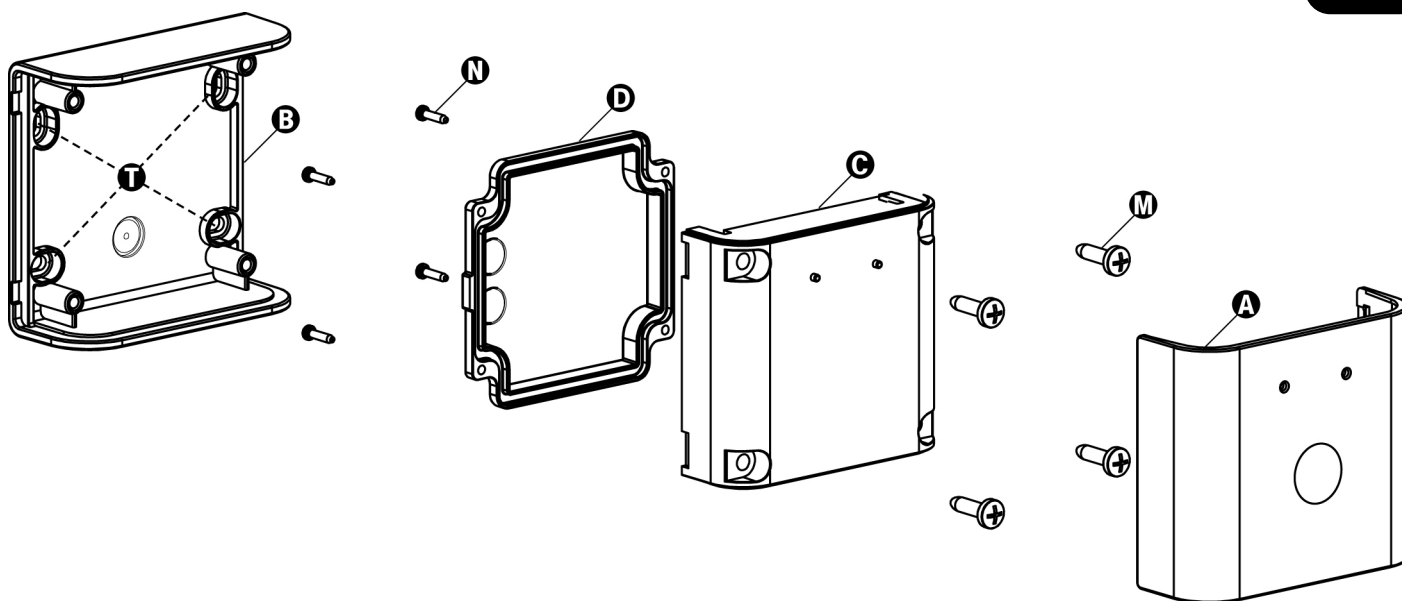


Fig. 2

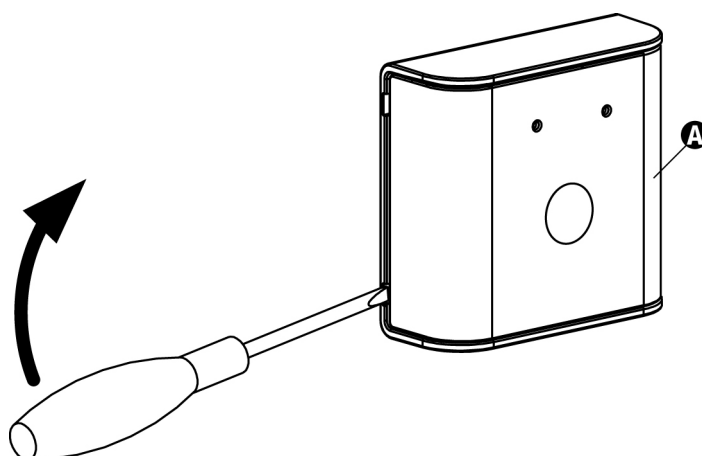


Fig. 3

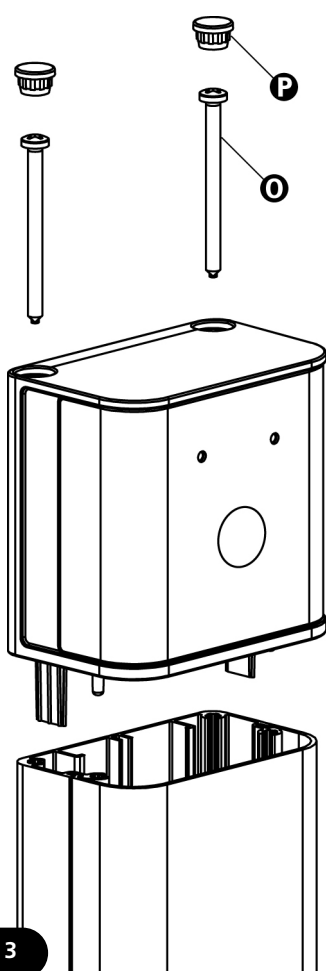


Fig. 4

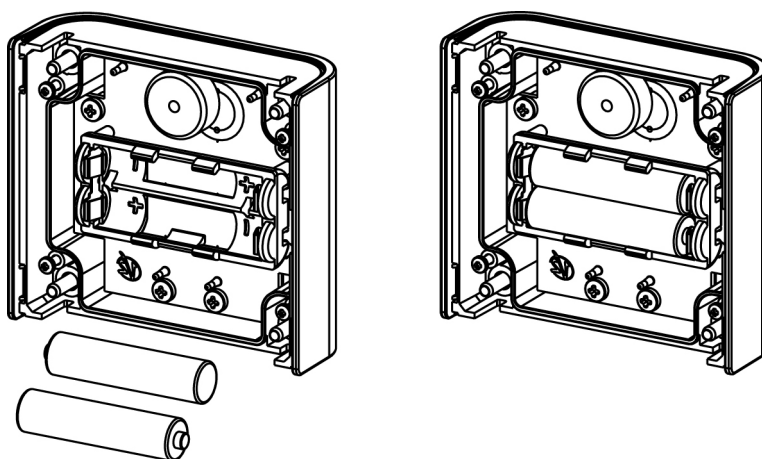


Fig. 5

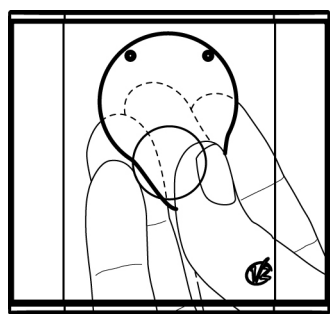


Fig. 6

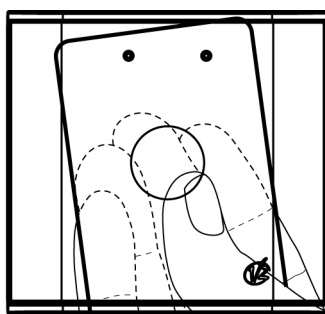
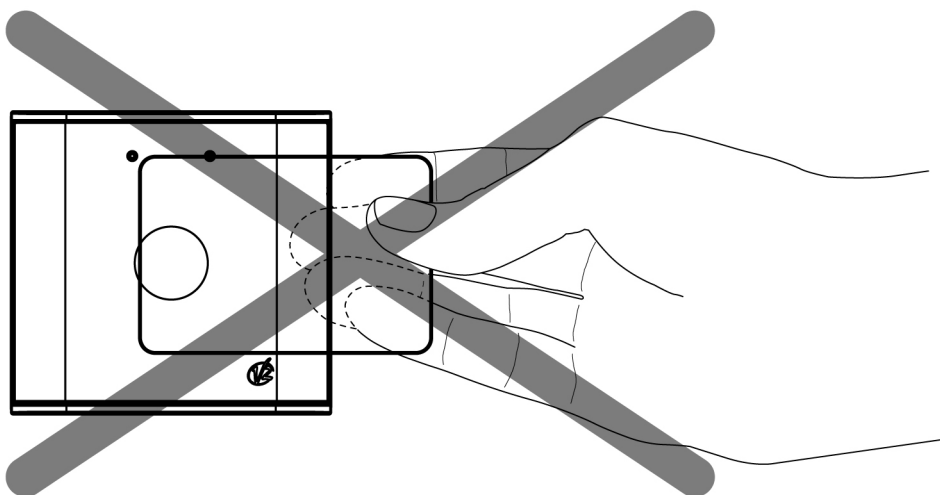
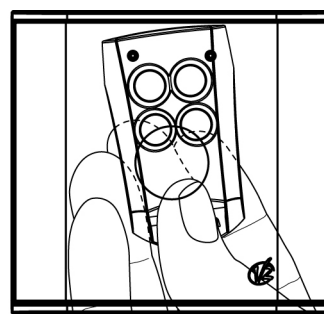


Fig. 7



⚠ ATTENZIONE: per attivare correttamente il dispositivo avvicinare la chiave di accesso al lettore di prossimità come riportato nelle figure 5, 6, 7.

⚠ ATTENTION: pour activer correctement le dispositif, approcher la clef d'accès du lecteur de proximité comme indiqué dans les illustrations 5, 6, 7.

⚠ WARNING : to correctly enable the device, bring the access key close to the proximity reader as shown in pictures 5, 6, 7.

⚠ ATENCION: para activar correctamente el dispositivo acercar la llave de acceso al lector de proximidad como indicado en los dibujos 5, 6, 7.

⚠ ATENÇÃO: Para activar correctamente o dispositivo, aproximar a chave de acesso do leitor de proximidade como indicado nas figuras 5, 6, 7.

Proximity reader via radio NEXT

- The NEXT series of proximity readers are made in aluminum die-casting.
- Operation via radio frequency: the device transmits the code to a V2 (433.92 MHz) receiver.
- 2 signaling LEDs and 1 acoustic signaler
- 6 way dip-switches for configuration of up to 15 different devices with the same MASTER card
- Available in the outdoors version NEXT-RSE and the column version NEXT-RSG for GARDOL columns series
- Operation with UNIQUE key access (model NEXT-TAG and NEXT-CARD) codified from the manufacturer; the keys memorized in the device activate the radio transmission of the Personal Pass code (with active Rolling code)
- Initialization of the device through the MASTER card serialized with the PROGTAG. The MASTER card does not activate the radio transmission, but serves the purpose of memorizing the contract and the sequential control number on the device, which are later transmitted via radio when a UNIQUE key is passed in front of the reader.

TECHNICAL CHARACTERISTICS

Frequency of operation	125 KHz
Frequency of transmission	433,92 MHz
Maximum consumption	60 mA
Power supply	2 x 1,5V AAA alkaline 1100mAh
Maximum distance for recognition	4 cm

SIGNALS

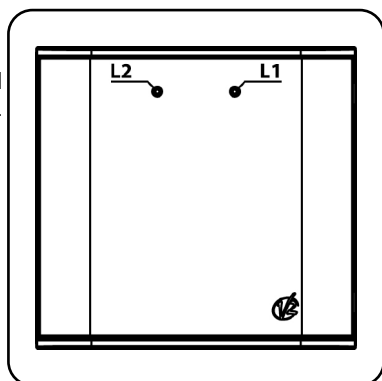
The device signals the status changes through red LEDs and a buzzer (an acoustic signaler).

LED L1: the reader is illuminated when it is approached by an object and extinguishes when the device transmits the code.

LED L2: emits signaling in programming phase.

Buzzer: it emits a BEEP when it recognizes a UNIQUE memorized key that enables the transmission

Battery is discharged: LEDs L1 and L2 flash for 1 second accompanied by short BEEPs.



INSTALLATION OF BATTERIES

In order to install the batteries proceed as follows:

1. Remove the front panel **A** making leverage with a flat screwdriver (Fig 2).
2. Unscrew the 4 **M** screws and extract device **C** from the base **B** (Fig 1).
3. Unscrew the 4 **N** screws and remove the posterior cover **D**.
4. Insert the batteries in the appropriate lodging case respecting the polarity indicated in the battery case (Fig.4)

When the battery is discharged the device emits short BEEPs and flashes for 1 second. It is necessary to replace the battery.

ATTENTION: Use only ALKALINE AAA 1.5V, 1100mA batteries.

SETTING UP THE DEVICE THROUGH DIP-SWITCHES

If the system requires the use of more than one proximity reader initialized with the MASTER card, it is necessary to set up various combinations of dip-switches 1,2,3,4 on each single reader of proximity. In the following table are listed 16 possible combinations:

	Dip 1	Dip 2	Dip 3	Dip 4
1	OFF	OFF	OFF	ON
2	OFF	OFF	ON	OFF
3	OFF	ON	OFF	OFF
4	ON	OFF	OFF	OFF
5	OFF	OFF	ON	ON
6	OFF	ON	OFF	ON
7	OFF	ON	ON	OFF
8	OFF	ON	ON	ON

	Dip 1	Dip 2	Dip 3	Dip 4
9	ON	OFF	OFF	ON
10	ON	OFF	ON	OFF
11	ON	OFF	ON	ON
12	ON	ON	OFF	OFF
13	ON	ON	OFF	ON
14	ON	ON	ON	OFF
15	ON	ON	ON	ON
16	OFF	OFF	OFF	OFF

ATTENTION: combination 16 (with all the dip switches in OFF) disables the radio transmission of the device.

INITIALIZATION OF THE PROXIMITY READER

NEXT must be initialized with a Personal Pass code by holding up to the reader a MASTER card serialized with the contract and the desired sequential (sequential control number).

With MASTER card it is possible to:

- memorize the Personal Pass code in the NEXT reader
- activate the memorization mode of 400 UNIQUE keys
- cancel a single UNIQUE key (only if in possession of the key to cancel)
- cancel all UNIQUE keys in memory
- override the MASTER card with another in order to change the contract and the sequential

For initialization of the device proceed as follows:

1. Approach the MASTER card to the reader: LED L1 is illuminated in order to indicate the wait for a valid card.
2. When it recognizes a MASTER card LED L2 also illuminates
3. The device waits for the valid reading of a MASTER card for 5 seconds (LED L1 and L2 illuminated)
4. After 5 seconds it emits 2 BEEPs of 1 second accompanied by flashes of L1 and L2 and it returns to the energy saving mode.
5. The device has learned the contract and the sequential of the MASTER card that will be transmitted via radio (with active Rolling code)

MEMORIZATION OF UNIQUE KEYS

It is possible to memorize up to 400 UNIQUE keys in the inner NEXT memory; the memorized keys activate the transmission of the Personal Pass code learned from the MASTER card.

NOTE: the keys not present in memory do not give place to signaling of any kind.

1. Approach the MASTER card (used for the initialization) to the reader: LED L1 is illuminated
2. When it recognizes the MASTER card also illuminates LED L2
3. After 5 seconds it emits 1 BEEP of 1 second and 1 flash of L1 and L2 (if the MASTER card does not correspond to one memorized it returns to low power consumption mode)
4. LED L1 and L2 are illuminated alternated for 10 seconds signaling the wait for a UNIQUE key
5. The key approached to the reader becomes memorized and the device emits a BEEP of 1 second and 1 flash of LEDs L1 and L2
6. The LED restarts flashing alternated for 10 seconds while waiting for a new UNIQUE key

ATTENTION: If the memory is full LEDs L1 and L2 emit 15 short flashes and the device returns to low power consumption mode

MEMORIZATION OF NEXT IN THE RECEIVER

1. Activate the memorization phase on the receiver following the procedure indicated on the V2 Receiver's instructions handbook.
2. Approach a memorized key to the frontal panel of the proximity reader (4 cm of distance): LED L1 is illuminated for 1 second accompanied by a BEEP signaling the recognition of the key and the activation of the radio transmission.
3. Verify that the memorization on the receiver took place.

VERIFICATION OF THE RADIO OPERATION

Before mounting the device it is advisable to verify that the system functions properly:

1. Open the device and insert the batteries provided (see paragraph INSTALLATION OF THE BATTERIES)
2. Initialize the device (see paragraph INITIALIZATION OF THE PROXIMITY READER)
3. Memorize a key in the inner memory of NEXT (see paragraph MEMORIZATION OF UNIQUE KEYS)
4. Memorize NEXT in the V2 receiver.
5. Position the device (without mounting it) and verify that by transmitting the previously memorized code, the receiver activates the corresponding output.
6. If the system works correctly, mount the device, otherwise reduce the distance from the receiver until obtaining a good operation.

 **ATTENTION:** Avoid installing the device on metallic surfaces.

MOUNTING OF THE NEXT-RSE VERSION

1. Define the points selected for the installation, keeping in mind that it is necessary to mount the base on a linear and flat surface.
2. Remove the frontal panel **A** making leverage with a flat screwdriver (Fig. 2).
3. Unscrew the 4 **M** screws and extract device **C** from the base **B** (Fig. 1).
4. Mount the base on the wall with the corresponding dowels through the 4 **T** holes (Fig. 4).
5. Insert the device in the base and affix the 4 screws
6. Insert the frontal panel

MOUNTING OF THE NEXT-RSG VERSION

1. Remove the stopper at the top of the column
2. Position the device over the column, affix it using the screws type **O** provided with the device and insert two screw caps **P** (Fig. 3)

CANCELLATION OF A UNIQUE KEY

In order to singularly cancel memorized UNIQUE Keys proceed as follows:

1. Approach the MASTER card (used for the initialization) to the reader: LED L1 is illuminated
2. When it recognizes the MASTER card it also illuminates LED L2
3. After 5 seconds it emits 1 BEEP of 1 second and 1 flash of LEDs L1 and L2 (if the Master card does not correspond to the one memorized it returns to low power consumption mode)
4. LEDs L1 and L2 are illuminated alternated for 10 seconds signaling the wait for a UNIQUE key
5. Approach the desired card to cancel to the reader and hold it in front for at least 10 seconds
6. After 10 seconds LEDs L1 and L2 are illuminated fixed and begin a series of fast beeps for another 5 seconds
7. After 5 seconds the device cancels the key and it emits a BEEP and one flash of 1 second
8. As soon as the cancelled key is taken away the device returns to wait for a UNIQUE key for another 10 seconds

TOTAL CANCELLATION

In order to cancel all memorized UNIQUE KEYS proceed as follows:

1. Approach the MASTER card used for serialization to the reader: LED L1 is illuminated
2. When it recognizes the MASTER card LED L2 also illuminates and it emits 1 BEEP of 1 second and one flash of L1 and L2 (if the Master card does not correspond to the one memorized it returns to low power consumption mode)
3. LEDs L1 and L2 are illuminated alternately for 10 seconds signaling the wait for a UNIQUE key
4. After 10 seconds LEDs L1 and L2 are illuminated for 3 seconds while waiting for a MASTER key
5. Hold the MASTER card in position for 5 seconds: LEDs L1 and L2 flash rapidly accompanied by a series of fast beeps
6. After 5 seconds LEDs L1 and L2 extinguish and continue the series of fast beeps: remove the card within 5 seconds
7. The device cancels all the memorized keys and emits 1 beep of 3 seconds with LEDs L1 and L2 illuminated and it returns to low power consumption mode

MEMORIZATION OF A NEW MASTER CARD

To override a previously memorized MASTER card with another card with different contract and sequential proceed as follows:

1. Approximate to the reader the MASTER card used for the initialization: LED L1 is illuminated
2. When it recognizes the MASTER card LED L2 also illuminates and it emits 1 BEEP of 1 second and one flash of L1 and L2 (if the Master card does not correspond to the one memorized it returns to low power consumption mode)
3. Approximate the new Master card to the reader and hold the MASTER card in position for 10 seconds: LEDs L1 and L2 flash rapidly accompanied by a series of fast beeps
4. After 10 seconds LEDs L1 and L2 extinguish and continue to beep fast: remove the card within 5 seconds
5. The device emits 2 BEEPs of 1 second accompanied by two flashes of L1 and L2 and then it returns to low power consumption mode)

The device has learned the contract and the sequential control number of the new MASTER card that will be transmitted via Radio with active Rolling Code.

ATTENTION: it is necessary to repeat the procedure "MEMORIZATION OF NEXT IN THE RECEIVER"

CANCELLATION OF THE MASTER CARD (emergency procedure)

If the Master card used to initialize the device gets lost, it is possible to cancel the MASTER card with the following emergency procedure:

1. Remove the batteries
2. Move Dip-switches 5 and 6 to position ON
3. Insert the batteries
4. LED L1 emits flashes for 5 seconds accompanied by fast beeps
5. Within 5 seconds move Dip 5 to position OFF; if no operation is performed within 5 seconds, the device returns to normal operation
6. LEDs L1 and L2 start flash in a faster frequency accompanied by beeps in the same faster frequency
7. Within 5 seconds move Dip 6 to position OFF; if no operation is performed within 5 seconds, the device returns to normal operation
8. The LEDs emit 2 flashes of 1 second accompanied by two beeps in order to indicate the cancellation of the MASTER card.
9. In order to memorize a new Master card repeat the procedure "INITIALIZATION OF THE PROXIMITY READER"

DICHIARAZIONE DI CONFORMITÀ

V2 S.p.A. dichiara che le apparecchiature NEXT sono conformi ai requisiti essenziali fissati dalla direttiva

93/68/CEE compatibilità elettromagnetica
2006/95/CEE bassa tensione
99/5/CEE direttiva radio

e che sono state applicate le seguenti norme tecniche
EN 60950, EN 301 489-1, EN 301 489-3, EN 300 330-2

Racconigi, 15/12/2009
Il rappresentante legale V2 S.p.A.
Antonio Cristina

DECLARATION OF CONFORMITY

V2 S.p.A. hereby declare that NEXT equipment conforms to the essential requirements established in the electromagnetic compatibility directive

93/68/EEC electromagnetic compatibility
2006/95/EEC electrical safety
99/5/EEC directive radio

and that the following technical standards have been applied

EN 60950, EN 301 489-1, EN 301 489-3, EN 300 330-2

Racconigi, 15/12/2009
Legal representative, V2 S.p.A.
Antonio Cristina

DÉCLARATION DE CONFORMITÉ

V2 S.p.A. déclare que les produits NEXT sont conformes aux qualités requises essentielles fixées par la directive:

93/68/CEE compatibilité électromagnétique
2006/95/CEE sécurité électrique
99/5/CEE directive radio

et que les normes techniques suivantes ont été appliquées

EN 60950, EN 301 489-1, EN 301 489-3, EN 300 330-2

Racconigi, le 15/12/2009
Le représentant légal V2 S.p.A.
Antonio Cristina

DECLARACIÓN DE CONFORMIDAD

V2 S.p.A. declara que los productos NEXT cumplen los requisitos esenciales establecidos por las siguientes directivas:

93/68/CEE Compatibilidad electromagnética
2006/95/CEE Seguridad eléctrica
99/5/CEE Directiva radio

y que son aplicadas las siguientes normas técnicas
EN 60950, EN 301 489-1, EN 301 489-3, EN 300 330-2

Racconigi, 15/12/2009
El representante legal de V2 S.p.A.
Antonio Cristina

DECLARAÇÃO DE CONFORMIDADE

V2 S.p.A. declara que as aparelhagens NEXT são conformes aos requisitos essenciais estabelecidos pela diretiva

93/68/CEE Directiva compatibilidade electromagnética
2006/95/CEE Directiva Baixa Tensão
99/5/CEE Directiva Rádio

e que foram aplicadas as seguintes normas técnicas
EN 60950, EN 301 489-1, EN 301 489-3, EN 300 330-2

Racconigi, 15/12/2009
O representante legal V2 S.p.A.
Antonio Cristina