

u s e r g u i d e



Electronic lock for security doors

FIAM.



Dear Customer,

The door is equipped with an electronic lock with a motor-driven bolt closing mechanism with built-in digital control.

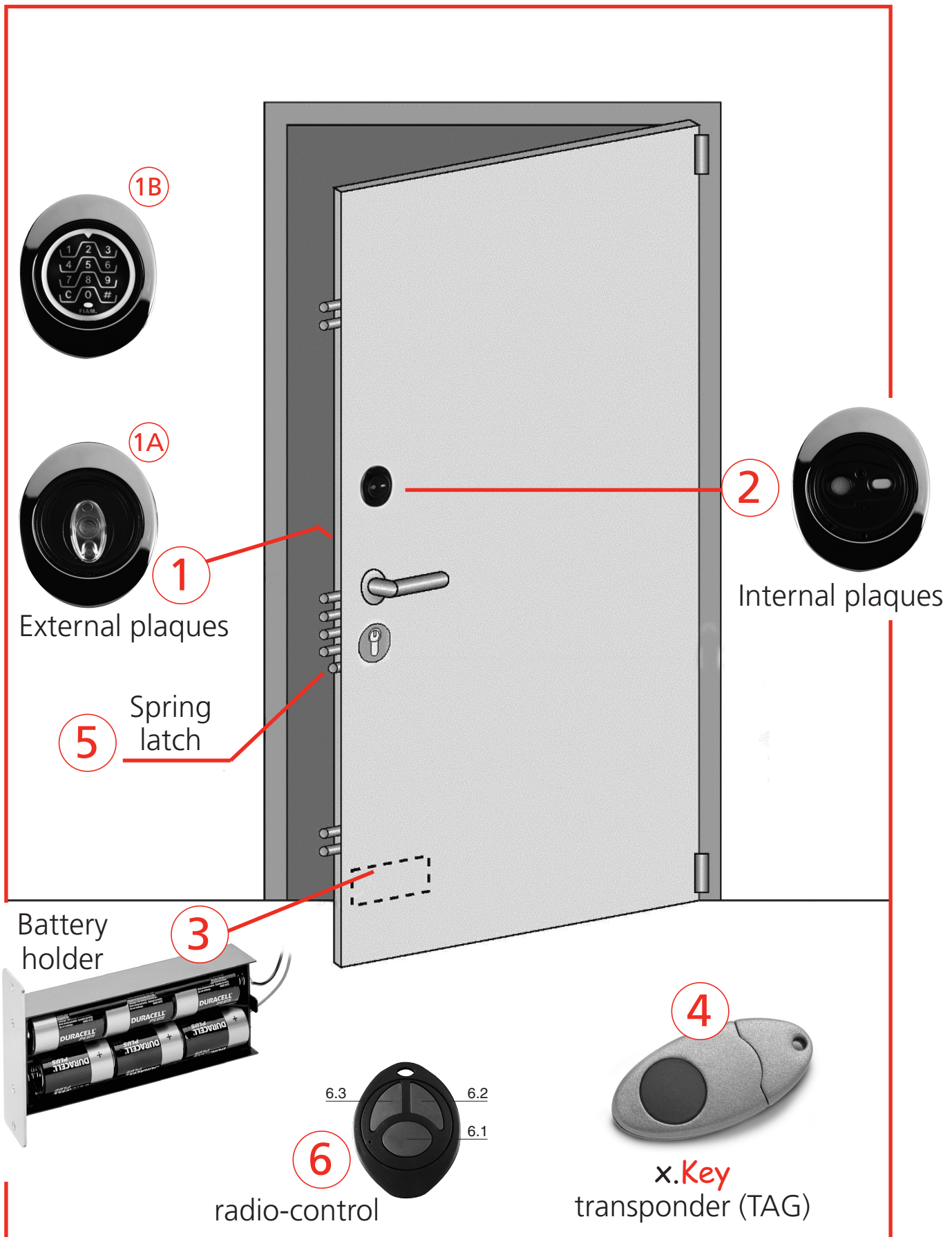
FIAM's research and experience have led to the development of a product that offers the state of the art in terms of security and reliability. To find out all about this product and make the best use of all it has to offer, read this booklet and keep it handy. It will come in useful again whenever you want to reprogram or check your access, as well for doing ordinary maintenance and solving any problems.

WHAT IS YOUR X1R ELECTRONIC LOCK AND HOW DOES IT FUNCTION:

Your door is an intelligent door. That is because the x1R is a lock with more than the traditional key mechanism, although that is also always available just in case there is a power cut or any electric or electronic breakdown or damage, as it also offers electronically controlled management of the opening of your security door. The door is locked automatically as soon as it is closed.

This concept summarises countless performances that you can get from the x1R: these will be illustrated simply and intuitively in the pages of this manual.

GENERAL PLAN OF THE SYSTEM



GENERAL PLAN OF THE SYSTEM

① EXTERNAL PLAQUE

This term is used to define the electronic checks that use various technologies to allow the user access to the room using an encrypted "code" that generates an electrical impulse that allows the door to be opened. The lock can be controlled using two different access systems:

- ①A TAG (Transponder – RFID).
• Instruction from page 5 to page 12.



- ①B Numerical Keypad with built-in TAG reader.
• Instruction from page 13 to page 20.



- In addition the door can be controlled using a radio-control ⑥.
• Instruction from page 21 to page 25.



Follow the specific instructions for the system fitted on your door.

NOTE:

For both versions, circuits or other components are housed in the external plaques, and if these are intercepted in case of an attempted violation, they can cause the lock to open.

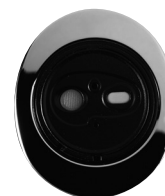
INTERNAL PLAQUES:

The internal plaque ② houses two keys for opening and closing the lock by means of a motor built into it.

Push the green to open the door. When the (smaller) black key is pushed, this causes the linkages to move out quickly, and consequently the door is closed.

However, for normal use for which the lock is programmed in the factory (operating mode 1) x1R independently and automatically sees to making your door safe, guaranteeing maximum peace of mind at all times.

The two keys are also used for programming the operating functions. This plaque is equipped with an LED and a buzzer to provide an acoustic signal.



NOTE:

To activate the internal plate in the first installation phase or in the event of changing it, enter into programming as described on page 9, point A.

SYSTEM WITH KEYBOARD AND INTEGRATED TAG TRANSPONDER

BASIC PROGRAMMING

Read this section carefully to make sure the product is working satisfactorily to guarantee you with the maximum security.

Both your door manufacturer and installer have carried out trial tests using a general code. Now you must **NECESSARILY** store your personalized code number and that of your electronic keys **4**, where required, in the memory in order to be guaranteed with the maximum security. You can memorize up to a maximum of 128 code numbers and/or TAG, if required.

Registering your personalized codes means that no other unauthorized code can be used, i.e. the codes (and TAG) registered by you will be the only electronic commands capable of opening your door.



PRELIMINARY PHASE: MEMORIZING THE NEW ENTRANCE CODES

Numeric codes must be programmed at two different levels: at least one at "master" level whilst the others will be at "service" level.

The "master" codes enable their holder to:

- open the lock
- have access to programming
- change the functional mode
- activate new codes and/or "master" keys
- activate and deactivate "service" codes and/or keys
- totally reset the memory

With the enabled "service" codes the holder may:

- open the lock

Personalized codes, be they either "master" or "service", must be made up of a minimum of four to a maximum of eight figures. If your system includes using both keyboard and TAG x.Keys, you must first follow the instructions for memorizing the numeric codes, then go to page 5 of this manual where you will find details on how to register and use the transponders.

BASIC PROGRAMMING

ACTIVATING THE "MASTER" CODE:

🔑 access the "programming" facility

- A. with the door open, keep your finger pressed on spring latch (5) and press the 1-2-3-4 code on the (1A) keyboard, then press the # key (to confirm) (fig. 10).
- B. the acoustic alarm will emit a rising scale of beeps to warn you that the lock is in the "programming" mode.

The lock will only remain in this mode (programming) for as long as you keep the spring latch pressed. You will automatically leave the programming mode by releasing it.

- C. Keeping the spring latch (5) constantly pressed, press the black and green keys located on the internal plaque (2) together and keep them pressed for at least two seconds. The acoustic alarm will emit one long beep as confirmation.
- D. Now digit your personal Master Code (minimum 4 figures, maximum 8) and press the # key. The acoustic alarm will emit two short beeps to confirm that your "master" code has been memorized.

🔑 release the pressure on the spring latch (5) to exit the programming mode.

ACTIVATING THE "SERVICE" CODE:

🔑 access the "programming" facility

- A. with the door open, keep your finger pressed on spring latch (5), press the code memorized beforehand at "master" level on the keyboard (1A) followed by the # key (fig. 10).
- B. the acoustic alarm will emit a rising scale of beeps to warn you that the lock is in the "programming" mode.

The lock will only remain in this mode (programming) for as long as you keep the spring latch pressed. You will automatically leave the programming mode by releasing it.

- C. Keeping the spring latch (5) constantly pressed, press the black key located on the internal plaque (2) (fig. 3) for at least one second. The buzzer will emit one brief beep. Each new code entered (minimum 4 figures, maximum 8) and confirmed by the # key will be registered with the "service" level. The buzzer will confirm memorization of all the codes with one brief beep. Once memorization has been completed carry on with enabling all the codes registered at the "service" level by pressing the black key located on the internal plaque (2) (fig. 3) for at least one second. The buzzer will emit two short beeps.

NOTE:

If the buzzer should emit TWO short beeps at the start of phase C, then press the black key again until the buzzer emits ONE short beep only, confirming that the lock is now set for memorizing new "service" codes.

🔑 release the pressure on the spring latch (5) to exit the programming mode.

FIG.10



FIG.2



FIG.3



BASIC PROGRAMMING

NOTE:

The decision as to who will be responsible for the master code and service codes is entirely a question of the hierarchy one intends to activate. Considering that the master code, as already mentioned, apart from being normally used to open the door, can also be used for access to any programming level, it should evidently be kept and used by the person responsible for the premises.

We would also remind you that the master code can also temporarily exclude one or more of the service codes, but this cannot be done the other way round. As an explicative example, in a typical family the responsible member of the household can assign a service code to a domestic worker.

If you want to prevent said person from entering while you are away, you just have to disable the use of the service code used by the latter from the electronic memory; this means that it will be deactivated even though still in their hands.



When you return you can re-enable the code, where necessary (see page 18).

FIG.10





ACTIVATING OTHER "MASTER CODES":

 access the "programming" facility


- A. with the door open, keep your finger pressed on spring latch  and press the "master" code on the keyboard,  followed by the # key (fig. 10).
- B. the acoustic alarm will emit a rising scale of beeps to warn you that the lock is in the "programming" mode.

The lock will only remain in this mode (programming) for as long as you keep the spring latch pressed. You will automatically leave the programming mode by releasing it.

- C. Keeping the spring latch  constantly pressed, press the black key located on the internal plaque  (fig. 3) for at least one second. The buzzer will emit two short beeps.

NOTE:

If the buzzer emits one beep only, press the black key again until the buzzer emits TWO short beeps confirming that the lock is now set for memorizing new "master" codes.

- D. digit the numeric code, minimum four and maximum eight figures (fig. 10) and after confirmation press the # key. The code just memorized will then be registered at "master" level. Any other code entered in the same way will also be registered at "master" level, while this status is active or until the spring latch  has been released.

 release the pressure on the spring latch  to exit the programming mode.

FIG.3



HOW IT WORKS

The FIAM x1R electronic key works very simply:

Pressing your personal entrance code on the keyboard (1A), followed by the # key, (fig. 11) will open the lock and you will be able to enter the premises. The lock will automatically lock up when you close the door again, as long as this functional mode has been provided.

There are various options for leaving the premises.

- pressing the green key located on the internal plaque (Fig. 5)
- pressing a remote key (optional) which can be located at a distance from the door (for example, the interphone key or an ordinary button)
- using the mechanical key

NOTE:

Please remember that the FIAM x1R electronic lock can always work at any time, even if there are problems, both from the inside and outside by using the mechanical key.

FUNCTIONAL METHODS

The function and service of the FIAM x1R electronic lock can be programmed in five different modes:

Mode 1: after the opening command has been given the lock draws back the bolts and holds back the spring latch for you to enter. The spring latch is released once it has opened the lock and the door. The lock will automatically draw the bolts after the door has closed.

Mode 2: after the opening command has been given the lock draws back the bolts but not the spring latch, which must be drawn back by a handle or mechanical key for you to enter. The lock will automatically draw the bolts after the door has closed.

Mode 3: after the opening command has been given the lock draws back the bolts and holds back the spring latch for you to enter. The spring latch is released once it has opened the lock and the door. The lock will NOT automatically draw the bolts after the door has closed. The lock must therefore be closed mechanically

Mode 4: after the opening command has been given the lock draws back the bolts but not the spring latch which must be drawn back by a handle or mechanical key for you to enter. The lock will NOT automatically draw the bolts after the door has closed. The lock must therefore be closed mechanically.

Mode 5: after the opening command has been given the lock draws back and holds the spring latch only for you to enter. The bolts can only be opened and closed using the mechanical cylinder key in this functional mode.

NOTE:

you can find out and check the working conditions of your door at any time by pressing the green and black keys on the internal plaque (2) together; the buzzer will emit the same number of beeps as the number of the modalities listed in this page.



BASIC PROGRAMMING

CHANGING AND SETTING THE FUNCTIONAL MODE

The lock is set to work in mode 1 when it comes out of the factory. To change the functional mode, it will be necessary to:

⌂ access the "programming" facility

- A.** with the door open, keep your finger pressed on spring latch **5** and press the "master" code on the keyboard **1A** followed by the # key (fig. 10).
- B.** the acoustic alarm will emit a rising scale of beeps, to warn you that the lock is in the "programming" mode.

The lock will only remain in this mode (programming) for as long as you keep the spring latch pressed. You will automatically leave the programming mode by releasing it.

- C.** Keeping the spring latch **5** constantly pressed, press the green key located on the internal plaque **2** (fig. 6) for at least one second. The buzzer will emit the same number of short beeps as the number of the mode being used.
- D.** Each time you press the green key you will pass on to the next mode. For example: if the buzzer emits three short beeps when you press the green key, this means that the lock is in mode 3, in which case, you simply press the green key twice if you want to change to mode 5.

NOTE:

the functional mode can only be changed going up the scale, i.e., from 1 to 2, from 2 to 3 and so on. After mode 5, you go back to mode 1 by pressing the green button again.

⌂ release the pressure on the spring latch **5** to exit the programming mode.

FIG.10



FIG.6



BASIC PROGRAMMING

OPERATING THE ENTRANCE CODES

You can operate the personalized entrance codes simply and rapidly in total security with the FIAM x1R locks electronic system. It is in fact possible to disable and re-enable the "service" codes, even temporarily, by adding or eliminating codes to the list of those being used or totally cancel them.

To disable ALL the "service" codes, you must:

➡ access the "programming" facility

- A. with the door open, keep your finger pressed on spring latch (5) and press the master code on the keyboard (1A), then press the # key (fig. 10).
- B. the acoustic alarm will emit a rising scale of beeps, to warn you that the lock is in the "programming" mode

The lock will only remain in this mode (programming) for as long as you keep the spring latch pressed. You will automatically leave the programming mode by releasing it.

- C. Keeping the spring latch (5) constantly pressed, press the black button located on the internal plaque (2) (fig. 3) for at least one second until the buzzer emits 1 short beep.
All the "service" numerical codes are now deactivated for opening the lock, but are still stored in the electronic memory.

This operation also simultaneously disables all the "service" TAGs and any radio controls being used.

➡ release the pressure on the spring latch (5) to exit the programming mode.

To re-enable ALL the "service" codes, you must:

➡ access the "programming" facility

- A. with the door open, keep your finger pressed on spring latch (5), and press the master code on the keyboard (1A) then press the # key (fig. 10).
- B. the acoustic alarm will emit a rising a scale of beeps, to warn you that the lock is in the "programming" mode.

The lock will only remain in this mode (programming) for as long as you keep the spring latch pressed. You will automatically leave the programming mode by releasing it.

- C. Keeping the spring latch (5) constantly pressed, press the black button located on the internal plaque (2) (fig. 3) for at least one second until the buzzer emits two short beeps.
All the "service" numeric codes stored in the electronic memory are now re-enabled for when the lock opens

This operation also simultaneously re-enables all the "service" TAGs and any radio controls being used.

➡ release the pressure on the spring latch (5) to exit the programming mode.

FIG.10



FIG.3



BASIC PROGRAMMING

To definitively cancel ONE or MORE entrance codes, you must:

↶ access the "programming" facility

- A. with the door open, keep your finger pressed on spring latch (5) and press the master code on the keyboard (1A), followed by the # key (fig. 10).
- B. the acoustic alarm will emit a rising scale of beeps, to warn you that the lock is in the "programming" mode.

The lock will only remain in this mode (programming) for as long as you keep the spring latch pressed. You will automatically leave the programming mode by releasing it.

- C. Keeping the spring latch (5) constantly pressed, digit the numeric code that must be cancelled followed by the # key (fig. 10). The buzzer will confirm each code eliminated from the electronic memory with 3 brief beeps.

↶ release the pressure on the spring latch (5) to exit the programming mode.

FIG.10



To definitively cancel ALL the entrance codes (total reset), you must:

↶ access the "programming" facility

- A. with the door open, keep your finger pressed on spring latch (5) and press the master code on the keyboard (1A), followed by the # key (fig. 10).
- B. the acoustic alarm will emit a rising scale of beeps, to warn you that the lock is in the "programming" mode.

The lock will only remain in this mode (programming) for as long as you keep the spring latch pressed. You will automatically leave the programming mode by releasing it.

- C. Keeping the spring latch (5) constantly pressed, press the green and black keys located on the internal plaque (2) together for at least two seconds. The buzzer will emit one long beep to confirm.

This operation also simultaneously deletes all the TAGs and any remote-controls being used.

↶ release the pressure on the spring latch (5) to exit the programming mode.

FIG.2



BASIC PROGRAMMING

SAFETY BLOCKAGE OF THE KEYS

The keys on the internal plaque can be rendered inactive. Under normal operating conditions these are used for opening (green) and closing (black) the door using the motorisation on the lock.

This is done to prevent accidental or involuntary opening, which may detract from the security of your home. The presence of children in the home for example, is one of the conditions that may mar security.

To deactivate the keys:

- A. Hold the green and black keys on the internal plaque ② (fig. 7) down simultaneously for at least ten seconds.
- B. When the keys are released they are inactive.

To reactivate the keys:

- A. Hold the green and black keys on internal plaque ② (fig. 7) down simultaneously for at least ten seconds.
- B. When the keys are released they work again normally.



“DEADBOLT LOCKING” WITHOUT ENTERING INTO PROGRAMMING

By pressing the green and black buttons on the internal plate ② (fig. 7) simultaneously for five seconds, the “deadbolt locking” function is activated (way described on page 8): in this mode the lock does not automatically re-close the safety bolts at every approach.

To return to the previously set functioning mode, repeat the same operation.

BATTERIES

According to the system installed by your installer, your x1R electronic lock will function with alkaline batteries or will be powered by mains-rechargeable batteries.

In both cases, the batteries are housed at the edge of the door and all you have to do, to access them to replace or maintain them, is loosen the screws located on the front of the battery holder ③ and take it out with care (fig. 8).

When replacing the batteries, comply with the indications and the technical data listed below in this manual, then replace the battery holder, taking care not to damage the electricity cables, and fix it with the screws provided.

Alkaline batteries: 1,5V Ni-Cd Type D

Rechargeable batteries: 1,2V Ni-Mh Type D

