POWER WINDOWS:

With the remote control it is possible to lock the car doors and close the windows from a distance.

If the remote control has door locking followed by window closing, this may be a hazard for people and animals as the driver is not in control.

It is therefore essential for the +**maximum force of closing**" the windows to be adjusted in order to exclude extreme events.

Some car manufacturers equip their lifting system with a force limiting device specifically for this purpose. Other manufacturers adopt procedures making it necessary for the driver to be present so as to guarantee control.

If you wish to activate window closing automatically after door locking and the car is not fitted with "**maximum force limiters**", even if it has the "COMFORT" system, use the **med AZC** window winder module equipped with the "**force limiter**" (adjusting it appropriately, as per the instructions).

The **med AZC** window winder module has an **adjustment** to limit the **"maximum force of lifting"** to the values strictly necessary to lift the windows, finalized at user safety and avoiding accidents when winding up.

The **med AZC** window winder module is designed to control automatic closure of two power windows on all vehicles with a system operating at 12 Volts.

DECLARATION OF CONFORMITY

C E

This declaration applies to the following products:

med 2000.K   **med** 2000.KB   **med** 2000.L01

It is hereby declared that the products conform to the the following Directives:

- General Regulations: Directive 74/61/CE   Product approved in conformity with Directive 95/56/CE. Approval number **e3*74/61*95/56*0041*00**

- EMC: Directive 72/245/CE   Product approved in conformity with Directive 95/56/CE, the results of EMC tests falling within the limits defined by Directive 95/54/CE.

- Radio equipment: Directive 89/336/CE   EN300-220 ETSI
  Specific for transmitters:
  Radio equipment: Directive 89/336/CE   EN300-220 ETSI
  I-ETS 300-683
  EN60950

The following countries have been notified of the radio frequencies used as required by Directive 995/CE:

ITALY   Through notified body nr. C€0678Φ
This declaration is supplied for the manufacturer:

med S.p.A. Via Raffaello, 33 42100 Reggio Emilia (Italy)

Quality Officer
S. Preite

Reggio Emilia, 2 April 2001

Number of type-approval **e**
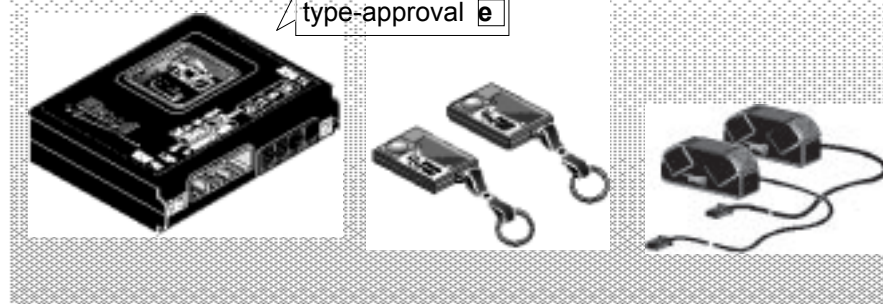
OPERATING INSTRUCTIONS

med 2000.K

FULLY PROGRAMMABLE REMOTE CONTROL ALARM UNIT with DIGITALLY OPERATED INTERNAL VOLUMETRIC RADAR and UNIVERSAL CONTROL for CENTRAL LOCKING.

CAN BE COMBINED WITH ALL **med** IMMOBILIZERS WITH DIGITAL CONTROL

Package contents:

1 Alarm unit: **med 2000.K**
2 Coded remote controls: **TRS 227**
1 PIN-CARD with personal code number
1 Pair of RADAR SENSORS: **MTR 2000**
1 18-wire wiring: **CAV 1000**
1 LED / ANTENNA cable: **CAV 1001**
1 Bag containing assembly accessories and instructions

VERSION: **med 2000.KB**
WITHOUT RADAR SENSOR

082316277

CORRECT INSTALLATION CERTIFICATE INSIDE

1. ALARM UNIT equipped with remote controls using a ROLLING-CODE personalized code number (the code number changes for each transmission) and ANTI-SCANNER protection to thwart any attempt at DEACTIVATING the system by copying the code used or sending in SEQUENCE all possible combinations.

2. Supplied with a sealed PIN - CARD with a PERSONAL CODE NUMBER for emergency deactivation.

CAUTION: PIN - CARD SEALED TO BE HANDED OVER TO THE USER

3. Alarms signalled visually with the vehicle's indicators and audibly with the **SIR 027** self-powered siren and original horns for attempts at breaking into the vehicle, opening doors, bonnet or boot, with the radar sensor or the relevant push-buttons (instant and time-lagged input towards earth available) and for attempted starting.

4. USER programmable with many useful functions, including FAST EXCLUSION for window winding and the RADAR SENSOR.

5. ULTRASONIC RADAR equipped with ANTI-BLINDING and ANTI-MASKING FUNCTION, and automatic correction of the "ALARM THRESHOLD" according to the vehicle's characteristics. Equipped with specific bi-directional sensors on the upright **MTR 2000**.

6. Programmable for specific interfacing with the original system of the vehicle on which it is installed, including: sensitivity and type of operation of the RADAR SENSOR and the AUTOMATIC IMMOBILIZER ACTIVATION method.

7. Possible SYSTEM ACTIVATION with MOMENTARY EXCLUSION of WINDOW WINDING and of the ultrasonic RADAR SENSOR EXTREMELY simply.

8. Service sound SIGNALS with the **SIR 027** digitally controlled siren (optional).

9. Fitted for controlling all **med** anti-theft devices in the car line - 12 V with digital control .

10. Possibility of excluding/reactivating lost or stolen remote controls.

11. LED for multipurpose signals with integrated antenna.

12. Standard WIRING with customized connector in the package.

13. Extremely low current draw to protect the vehicle's battery.

LOWER POWER CONSUMPTION

To LIMIT power consumption as much as possible and protect the vehicle's battery, the alarm unit is PROGRAMMED to exclude the RADAR sensor after 3 days of ACTIVATION WITH NO ALARMS.

On detecting an ALARM from PUSH-BUTTONS or the IGNITION KEY, the RADAR SENSOR is REACTIVATED again.

FLAT BATTERY

In combination with the **SIR 027** siren, the alarm unit has a special sensor to check the charge of the vehicle's battery.
If the battery slowly discharges due to the lights or other devices staying on, the immobilizer stays ACTIVE (provided it was activated beforehand) while the **SIR 027** siren is automatically disabled.
To start up the engine it is first necessary to recharge the battery or hook up a second one, following the vehicle manufacturer's instructions. Then deactivate the system with the remote control or the EMERGENCY procedure and start up the engine.
N.B. If the alarm unit supply cables or **SIR 027** connecting cables are cut with the system activated, the siren nonetheless runs the ALARM cylcles envisaged by the EUROPEAN **EC DIRECTIVE 95/56**.

TECHNICAL SPECIFICATIONS OF THE ALARM UNIT: med 2000.K

ALARM UNIT
Supply voltage : **12 V**
Current draw : at rest : **7 mA**
(mean values) : with system activated : for the first 3 days **15 mA**
: for the following days **10 mA**

med 2000.KB without radar sensor : **10 mA**
Temperature range : from **- 40° C** to **+ 85° C**
Positioning : inside the vehicle
Protection : **IP 40 (IEC 529 1989) - DIN 40050 - EN 60529**
TRANSMITTERS
Temperature range : from **- 20° C** to **+ 85° C**
Battery operating time : approximately 5 years
Protection : **IP 67 (IEC 529 1989) - DIN 40050 - EN 60529**

TYPE APPROVALS:

The **med 2000.K** and **med 2000.KB** alarm units have been type approved in accordance with the following directives:
- European EC Directive **95/56** on operation and safety of immobilizers and alarm systems with No. e3 **AI-00 0041**.
- European EC Directive **95/54** on electromagnetic interference.

REMOTE CONTROLS

The **med 2000.K** alarm unit can handle up to 8 remote controls at the same time.
2 are supplied in the package, the other 6 can be requested through the installer, following
a specific procedure to GUARANTEE the UTMOST SECURITY
of the operation. Each transmitter has its own specific code number with a ROLLING-CODE
(the code transmitted changes for each transmission) and an ANTI SCANNER function to THWART any
ATTEMPT at DEACTIVATING the system by sending code numbers in sequence or copying ones already sent.
By specific programming it is also possible to deactivate remote controls that have been lost or stolen.
.

RADAR SENSOR

The **med 2000.K** alarm unit has the latest generation RADAR controlled by a specific
MICROPROCESSOR, to GUARANTEE a high level of sensitivity, immunity from false alarms and vehicle
protection with low POWER CONSUMPTION.
On ACTIVATING the SYSTEM, during the first few seconds, it runs a full CHECK on its operation, the sensors
and all the parameters corresponding to the vehicle in which it is installed.
During OPERATION, all these parameters are CONSTANTLY updated to distinguish between actual alarms and
FALSE SIGNALS better.
Version: **med 2000.KB** without radar sensor.

TERMS OF WARRANTY

The technical warranty is valid for twelve months from the date of installation, ex works, for parts considered
defective at the unquestionable judgement of **med**.
This warranty EXCLUDES external labour costs and all other burdens by whatever right.
The WARRANTY ceases to be valid automatically in the case of damage caused by incorrect installation,
tampering with the equipment, improper use of the system or any of its parts, connection to equipment NOT
foreseen by the manufacturer, infiltration of liquids, breakage of or attempted opening of the external casing of
remote control units.
Installation MUST BE CARRIED OUT by QUALIFIED STAFF.
THE INSTALLER MUST supply the owner of the vehicle with the operating instructions for the unit as well as the
CERTIFICATE OF INSTALLATION duly compiled and signed and which also serves as the warranty.

MAINTENANCE

The **med 2000.K** ALARM UNIT needs NO MAINTENANCE.

CONTENTS

The instructions refer to a system that has been fully wired and installed.

med s.p.a. disclaims all liability and suspends WARRANTY in the case of improper use of the product or part of it, tampering with it or combining it with devices for which NO provision has been made.

Version: **med 2000.KB** without radar sensor

med s.p.a. reserves the right to make any changes or technical modifications to the product at any time, WITHOUT prior notice thereof.

- If a **med**IMMOBILIZER is used, it is necessary to program AUTOMATIC ACTIVATION
  of the IMMOBILIZER in IMMEDIATE mode or with a time-lag of 5 minutes, as envisaged by the European
  EC Directive **95/56**.
- The references relating to vehicles and the colours of the wires of the original systems should be considered
  purely approximate.
- This booklet also uses the name **med 2000.K** for the **med 2000.KB** version without the radar sensor.
- Hand over to the user the INSTALLATION CERTIFICATE duly compiled and signed together with
  the user operating instructions also valid for warranty.

---

1 PULSE

ACTIVATING SYSTEM IN STANDARD CONFIGURATION

WITH RADAR SENSOR AND WINDOW WINDING ACTIVE
To ACTIVATE the system: press the remote control button with doors, bonnet, boot locked and ignition key OFF (instrument panel off).

CONFIRMATION OF ACTIVATION WITH 2 SHORT SIGNALS OF:

- **INDICATORS**
- **LED** (red warning light)
- **TWO-TONE NOTES** (with siren **SIR 027**)

LOCKING

CLOSING WINDOWS

IMMOBILIZER

ACTIVATION

CAUTION - PAGE 3
1. With ignition key ON (instrument panel on) the remote control is IGNORED

2. REJECTION on ACTIVATION for:
- DOORS, BONNET AND BOOT OPEN
- SYSTEM OUT OF SERVICE
- REMOTE CONTROL DISABLED

LED
FIXED (for the first few seconds)
FLASHING (afterwards)

1

INSTALLER PROGRAMS (8 [+ 15] ON - OFF) RESERVED FOR INSTALLERS OF:

**REPLACING ALARM UNIT with DIGITAL IMMOBILIZER "MUX"
med 30.1, med 30.2D and med 58.xD**

COMPLETE PROCEDURE

At the FIRST INSTALLATION the CODE NUMBER assigned by the alarm unit to the immobilizer with input "MUX" is PROVISIONALLY for the FIRST 20 attempts at STARTING done with the same ALARM UNIT.

- If the ALARM UNIT is replaced before the 20th attempt at STARTING, the immobilizer runs an AUTOMATIC RESET, returning to its initial state of OPERATION. Therefore it is NOT necessary to carry out any special processes of REPLACING the ALARM UNIT.

- On completing the 21st attempt at STARTING, the ALARM UNIT and the immobilizer are COMBINED permanently. If it is necessary to REPLACE the ALARM UNIT after MAKING the 21st attempt at STARTING, you need to carefully follow this PROCEDURE:

1. Get hold of the PIN - CARD of the ALARM UNIT already on the vehicle (the one that has to be replaced) with the digit personal code.

2. Install the new **med 2000.K** ALARM UNIT.

3. Enter INSTALLER PROGRAMMING (PAGE 13).

4. Send 30 PULSES with the REMOTE CONTROL:

30 PULSES

| **PROCEDURE ACCEPTED**		**PROCEDURE REJECTED**
FLASHING LED (red warning light)	LED	**FLASHING LED** (red warning light)
FOR APPROXIMATELY 10 SECONDS		FOR APPROXIMATELY 3 SECONDS
INTERMITTENT TONE OF THE BUZZER		**INTERMITTENT TONE OF THE BUZZER**
(pass on to point 5)		(restart from point 3 after a few seconds)

5. Enter the digit personal code of the old ALARM UNIT with the key **[+ 15]**.

6. After entering the last digit, wait for a few seconds then the full light of the LED will come on.

7. In this condition it is necessary to start the car, leaving the engine running:

- If the ENGINE does NOT switch off within 1 minute, the procedure has been accepted and it is possible to combine the new ALARM UNIT. Then cut off the power supply from the **med 2000.K** alarm unit for at least 1 minute in order to transmit the new code to the immobilizer when it is again powered. The immobilizer has now been RESET. Go back to the condition of acquiring the initial code (20 provisional attempts at starting, to then be permanently COMBINED with the ALARM UNIT on the 21st start).

- If the ENGINE SWITCHES ITSELF OFF, within 1 minute , it is necessary to REPEAT the process from the beginning, after waiting for a few minutes.

26

INSTALLER PROGRAMS (8 [+ 15] ON - OFF) RESERVED FOR INSTALLERS OF:

25 PULSES

PROGRAMMING makes it possible to DISABLE REMOTE CONTROLS THAT HAVE BEEN
LOST or STOLEN. For further information, see page 10
- Enter installer programming.
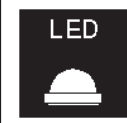- Press the enabled remote control button 25 times:

LED

musical scale
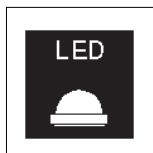
- **LED OFF DURING WARNING SOUND**
- **WARNING SOUND DECREASING**

• At the end of the signals, press the button of an enabled
remote control twice in sequence and wait:

2 PULSES

CONFERMATION 1 SHORT SIGNAL

FROM BUZZER AND LED GOES OUT

LED

- After the confirmation signal, repeat the process with all the remote controls that are active, or to be
re-enabled, starting with the ones already enabled; for each remote control: (**2 pulses**).

- At the end, turn the key **ON** - **OFF** once, then check the correct
operation of all the remote controls supplied.

26 PULSES

RESETTING INITIAL CONDITIONS PROGRAMMED BY med

STANDARD VALUES

- RADAR SENSOR SENSITIVITY: **MEDIUM**
- DOOR LOCKING TIME: **1.25 SECONDS**
- DOOR UNLOCKING TIME: **1.25 SECONDS**
- ACTIVATION DOOR LOCKING / STATUS: **STAGGERED**
- STATUS SIGNAL: **FIXED**
- AUTOMATIC IMMOBILIZER ACTIVATION: **EXCLUDED**
- RADAR SENSOR: **ACTIVE** with ANTI-BLINDING / ANTI-MASKING FUNCTIONS
- SIREN: **ACTIVE** WITH SOUND PROGRAMMING **RESET** (with siren **SIR 027**)
- SOUND SIGNALS FOR ACTIVATION AND DEACTIVATION: **ACTIVE** (with **SIR 027**siren)
- ADDITIONAL ALARM OUTPUT: **INTERMITTENT**
- ACCIDENTAL DEACTIVATION PREVENTION: **DEACTIVATED**
N.B: On some vehicles this function is controlled by the original system, for locking doors only.
- SYSTEM: **IN SERVICE**

LED
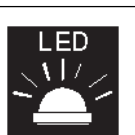
- **CONTINUOUS TONE**
- **FLASHING LED** (red warning light)

25   *procedure to enter PROGRAMMING: page 13*

**ACTIVATING THE SYSTEM WITH TEMPORARY EXCLUSION OF WINDOW WINDING AND
RADAR SENSOR**

To be used when you want to leave the VEHICLE WINDOWS OPEN:

1

**TAKE THE WINDOWS TO
THE DESIRED HEIGHT**

2

GET OUT OF THE VEHICLE

3

LOCK THE DOORS

2 PULSES

4

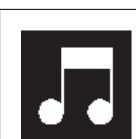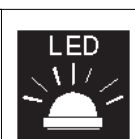**ACTIVATE THE SYSTEM**

CAUTION - PAGE 3
1. With key ON (instrument panel
on) the remote control is IGNORED

2. REJECTION on ACTIVATION for:
- DOORS, BONNET AND BOOT
OPEN
- SYSTEM OUT OF SERVICE
- REMOTE CONTROL DISABLED

N.B.
The 2nd pulse of the remote control must
be sent before the end of the 2nd
flash of the indicators (within 2 seconds of
the 1st pulse).

Window winding exclusion remains until
the next time the system is ACTIVATED.

CONFIRMATION OF ACTIVATION WITH 4 SHORT SIGNALS OF:

LED

- **INDICATORS**
- **LED** (red warning light)
- **TWO-TONE NOTES** (with siren **SIR 027**)

LOCKING

IMMOBILIZER

ACTIVATION

LED

FLASHING

2

CAUSES OF REJECTION ON ACTIVATING THE SYSTEM

During ACTIVATION, the alarm unit runs a COMPLETE CHECK on the SYSTEM.

- If everything turns out REGULAR, the alarm unit SELF-ADJUSTS itself and vehicle superintendence begins.
- If any IRREGULARITIES are found, they are highlighted as follows:

● **REMOTE CONTROL IGNORED FOR KEY ON (PANEL ON):**

  NO SPECIFIC SIGNAL

● **REMOTE CONTROLS DISABLED:**

2 SHORT SIGNALS of BUZZER and LED

- **SINGLE-TONE NOTES** (with siren SIR 027)
- **LED** (red warning light)

● **PUSH-BUTTONS OF DOORS, BONNET AND BOOT OPEN**
  (IF CONNECTED to the ALARM UNIT instant INPUT) :

3 SHORT SIGNALS of BUZZER and LED

- **SINGLE-TONE NOTES** (with siren SIR 027)
- **LED** (red warning light)

REGULAR SYSTEM ACTIVATION followed by the ALARM after a few seconds if the PUSH-BUTTONS are connected to the TIME-LAGGED INPUT of the ALARM UNIT:

SELF-POWERED SIREN - SIR 027

- VEHICLE HORNS
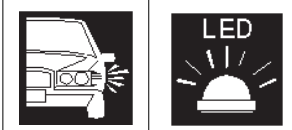
- INDICATORS
- LED (red warning light)

● **SYSTEM OUT OF SERVICE:**
  5 SHORT SIGNALS of BUZZER and LED

- **SINGLE-TONE NOTES** (with siren **SIR 027**)
- **LED** (red warning light)

23 PULSES	**PERMANENT EXCLUSION OF THE RADAR SENSOR**

PROGRAMMING allows us to permanently DEACTIVATE just the radar sensor.

- **TREBLE/BASS TWO-TONE SIGNAL OF THE BUZZER**
- **FLASHING LED** (red warning light)

ON ACTIVATING THE SYSTEM, THE LED FLASHES IMMEDIATELY

CAUTION: On installing the system, any exclusion of this function must be stated on the correct installation certificate.

23 PULSES	**RESETTING THE RADAR SENSOR**

PROGRAMMING makes it possible to REACTIVATE the RADAR SENSOR.
Model **med 2000.KB** without RADAR SENSOR.

- **BASS/TREBLE TWO-TONE SIGNAL OF THE BUZZER**
- **FLASHING LED** (red warning light)

SYSTEM ACTIVATION, LED ON STEADY then **FLASHING**

----

24 PULSES	**EXCLUDING ANTI-BLINDING AND ANTI-MASKING FUNCTIONS**

PROGRAMMING enables us to permanently deactivate just the functions of anti-blinding and anti-masking of the radar sensor, leaving the sensor active for normal vehicle superintendence. Recommended for use on vehicles with large spaces to protect.

- **TREBLE / BASS TWO-TONE SIGNAL OF THE BUZZER**
- **FLASHING LED** (red warning light)

SYSTEM ACTIVATION, LED ON STEADY then **FLASHING**

24 PULSES	**RESETTING ANTI-BLINDING AND ANTI-MASKING FUNCTIONS**

PROGRAMMING allows us to entirely REACTIVATE the functions of ANTI-BLINDING and ANTI-MASKING.

STANDARD SETTING

- **BASS/TREBLE TWO-TONE SIGNAL OF THE BUZZER**
- **FLASHING LED** (red warning light)

SYSTEM ACTIVATION, LED ON STEADY then **FLASHING**

22 PULSES

TEST PUSH-BUTTONS OF DOORS, BONNET, BOOT AND LEVEL

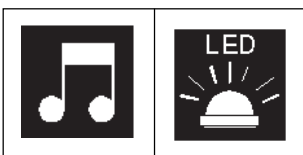**CAUTION:**
The "level" anti-lifting sensor is always activated with a time-lag of **30 seconds** from system activation.

LED | **musical scale**

- **LED OFF DURING WARNING SOUND**
- **WARNING SOUND INCREASING**

- **FLASHING LED** (red warning light) FOR THE ENTIRE DURATION OF THE TEST

The CONTINUOUS SOUND of the BUZZER and the STEADY LIGHT of the LED indicate ACTIVATION of an ALARM caused by a door, the bonnet or boot opening, or movement of the vehicle signalled by the "level".

- The SIGNAL continues until the DOOR is CLOSED.
- DURING the **TEST** the REMOTE CONTROL is **NOT** DETECTED.
- Both **INPUTS** of the PUSH-BUTTONS (**N/O** and **N/O/L**) are considered for the TEST as **INSTANTANEOUS**.

To QUIT the PUSH-BUTTON TEST FUNCTION, you need to TURN the KEY **ON** (panel on), then **OFF** (panel off). **N.B. YOU ALSO QUIT PROGRAMMING MODE.**

CONFIRMATION WITH **1** EXTENDED SIGNAL OF:

LED

- **INDICATORS**
- **LED** (red warning light)
- **TWO-TONE SIGNAL OF THE BUZZER**

UNLOCKING

LED

LED OFF (red warning light)

---

1 PULSE

ACTIVATING SYSTEM IN SPECIAL CONFIGURATION

WITH RADAR SENSOR PERMANENTLY EXCLUDED BY THE INSTALLER
To ACTIVATE the system: press the remote control button with doors, bonnet, boot locked and key OFF (panel off).

CONFIRMATION OF ACTIVATION WITH **3** SHORT SIGNALS OF:

LED

- **INDICATORS**
- **LED** (red warning light)
- **TWO-TONE NOTES** (with siren **SIR 027**)

LOCKING

CLOSING WINDOWS

CAUTION - PAGE 3
1. With key ON (panel on) the remote control is IGNORED

2. Causes of Rejection on activating the system alongside.

IMMOBILIZER

ACTIVATION

LED

FIXED (for the first few seconds)
FLASHING (afterwards)

---

1 PULSE

SYSTEM DEACTIVATION

To DEACTIVATE the system: press the remote control button.

CONFIRMATION OF DEACTIVATION WITH **1** EXTENDED SIGNAL OF:

LED

- **INDICATORS**
- **LED** (red warning light)
- **TWO-TONE NOTES** (with siren **SIR 027**)

UNLOCKING

IMMOBILIZER

DEACTIVATION

LED

LED OFF (red warning light)

CAUTION - PAGE 9 and **15**
1. With automatic ACTIVATION of the immobilizer ACTIVE, after the selected time since deactivating the system, to start the vehicle you need to repeat DEACTIVATION.

2. With ANTI ACCIDENTAL DEACTIVATION ACTIVE, after 40 seconds without the system detecting entry into the vehicle (alarm), the system is automatically reactivated.

EMERGENCY DEACTIVATION

If there is NO remote control you can anyhow DEACTIVATE the system and START the engine by using the KEY to compose a specific **ON** - **OFF** SEQUENCE indicated by the PERSONAL CODE given in the **PIN - CARD** under the adhesive label with the SERIAL NUMBER.

The OPERATIONS to CARRY OUT, also given on the back of the **PIN - CARD**, comprise:

1. DETCH THE LABEL FROM THE **PIN - CARD**: THIS WILL REVEAL THE PERSONAL CODE.

2. WAIT FOR ANY ALARM SOUND SIGNALS TO STOP.

3. INSERT THE IGNITION KEY IN THE **OFF** POSITION.

4. TURN IT: **ON** (PANEL ON) AND **OFF**, WITHOUT ACTIVATING THE STARTER MOTOR, FOR THE NUMBER OF TIMES INDICATED BY THE 1st DIGIT OF THE PERSONAL CODE (e.g. the number 3 indicates turning it three times ON - OFF, ON - OFF, ON - OFF in rapid succession).

5. WAIT FOR A SHORT FLASH OF THE LED (red warning light) IN CONFIRMATION.

6. REPEAT STEPS 4 AND 5 FOR THE REMAINING.

7. IF THE OPERATION TURNS OUT RIGHT THE ALARM UNIT WILL DEACTIVATE THE SYSTEM (page 4). THEN START THE ENGINE WITHIN 10 MINUTES.

8. **IF THE ENGINE STOPS THE SYSTEM STAYS DEACTIVATED FOR 10 MINUTES**. FOR LONGER STOPS YOU NEED TO REPEAT THE SEQUENCE FROM POINT NUMBER 2.

   - **IF THE OPERATION TURNS OUT WRONG** (SHORT SET OF FLASHES) REPEAT THE PROCESS FROM POINT NUMBER 3., AS SOON AS THE SLOW FLASH RETURNS.
   - **IF THE PROCESS IS BROKEN OFF** REPEAT IT FROM POINT NUMBER 3., AS SOON AS THE SLOW FLASH RETURNS.

N.B. The PROCEDURE described can be REPEATED INDEFINITELY. By using the PERSONAL CODE you also AUTOMATICALLY set AUTOMATIC ACTIVATION of the IMMOBILIZER to 10 minutes (page 9).

Using the remote control again, AUTOMATIC IMMOBILIZER ACTIVATION returns to its initial PROGRAM.

> - **NEVER LEAVE YOUR PIN - CARD IN THE CAR**
> - **KEEP IT IN A SAFE PLACE**
> - **TAKE OFF THE ADHESIVE COVERING THE PERSONAL COD ONLY IF NECESSARY**

The CONTINUOUS TONE of the BUZZER and the STEADY LIGHT of the LED indicate a MOVEMENT has been DETECTED IN the protected area such as to CAUSE an ACTUAL ALARM via the **RADAR SENSOR**.
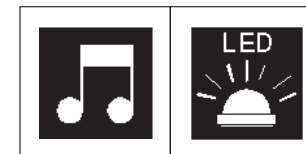
- THE SIGNAL BREAKS OFF WITH A TIME-LAG OF **2 / 3 SECONDS** FROM THE END OF THE REASON THAT **CAUSED IT**.

- DURING THE TEST IT IS POSSIBLE TO **VARY** THE SENSITIVITY OF THE **RADAR SENSOR** BY SIMPLY TRANSMITTING THE SPECIFIED NUMBER OF PULSES WITH THE REMOTE CONTROL:

2 PULSES
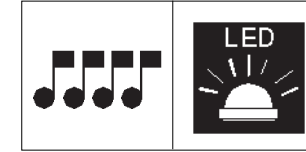
2 SHORT SIGNALS OF BUZZER AND LED FOR: **LOW SENSITIVITY**
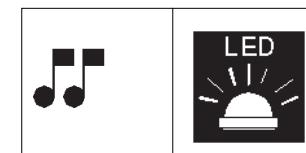
3 PULSES

3 SHORT SIGNALS OF BUZZER AND LED FOR: **MEDIUM SENSITIVITY**

STANDARD SETTING

4 PULSES

4 SHORT SIGNALS OF BUZZER AND LED FOR: **HIGH SENSITIVITY**
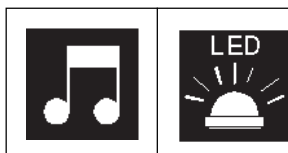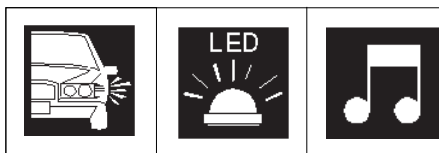

SIGNALS FOLLOWED BY ADDITIONAL **CONFIRMATION**:

- **FLASHING LED** (red warning light)
- **CONTINUOUS TONE OF THE BUZZER**

To QUIT the RADAR TEST FUNCTION, you need to TURN the KEY ON (panel on), then OFF (panel off). **N.B. YOU ALSO QUIT PROGRAMMING MODE.**
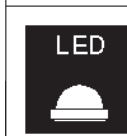
CONFIRMATION WITH 1 EXTENDED SIGNAL OF:

- **INDICATORS**
- **LED** (red warning light)
- **TWO-TONE SIGNAL OF THE BUZZER**

UNLOCKING

LED OFF (red warning light)

20 PULSES

ACCIDENTAL DEACTIVATION PREVENTION

After ACTIVATING this function, every time the system is deactivated with the REMOTE CONTROL but no one gets into the car within 40 sec., the entire system is automatically reactivated.

LED

- **BASS/TREBLE TWO-TONE SIGNAL OF THE BUZZER**
- **FLASHING LED** (red warning light)

N.B. Push-buttons of doors, bonnet and boot must be connected to avoid unwanted system reactivation. Activation of this function protects against unwanted operation of the
remote control.

20 PULSES

ACCIDENTAL DEACTIVATION PREVENTION EXCLUSION

This permits DEACTIVATING this additional PROTECTION.

STANDARD SETTING

LED
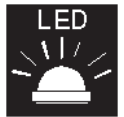
- **TREBLE/BASS TWO-TONE SIGNAL OF THE BUZZER**
- **FLASHING LED** (red warning light)

21 PULSES

RADAR SENSOR TEST

The **BUZZER SIGNALS** and those of the **LED** AFTER the **MUSICAL SCALE** indicate the SET LEVEL of **SENSITIVITY**.

LED

musical scale

- **LED OFF DURING WARNING SOUND**
- **WARNING SOUND INCREASING   OF THE BUZZER**

SIGNAL FOLLOWED BY:

2 SHORT SIGNALS OF BUZZER AND LED FOR: LOW

3 SHORT SIGNALS OF BUZZER AND LED FOR: MEDIUM

STANDARD SETTING

4 SHORT SIGNALS OF BUZZER AND LED FOR: HIGH

- **FLASHING LED** (red warning light) FOR THE ENTIRE DURATION OF THE TEST
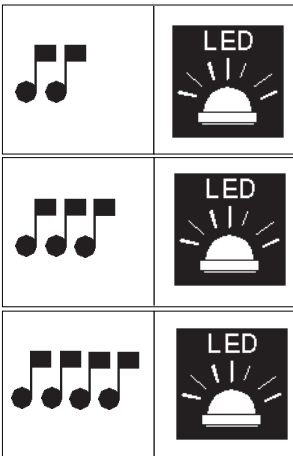
ALARM FUNCTIONS

If the alarm unit is ACTIVATED with the REMOTE CONTROL,
the ALARM is signally by:

SELF-POWERED SIREN - SIR 027

- VEHICLE HORNS

- INDICATORS
- LED (red warning light)

OPENING of **doors**, **bonnet, boot or lifting the vehicle**

(cycle of 25 seconds, can be deactivated with the remote control or EMERGENCY procedure)
- The ALARM cycle is NOT repeated if the door stays open.
- The alarm is only repeated if the door is closed and reopened after the end of the cycle in course.
- Unlimited number of ALARM cycles.
  The alarm unit has two separate inputs to detect alarms from push-buttons:
- INSTANT, on OPENING the door.
- TIME-LAGGED for the first few secondsafter ACTIVATING the system, then INSTANTANEOUS.

N.B.: The anti-lifting sensor is connected to the time-lagged door input.

KEY ON for at least 2 seconds   (cycle of 25 seconds, can be deactivated by turning the key onto OFF).

- The ALARM cycle is NOT repeated if the key stays ON.
- The ALARM cycle is ONLY repeated if the key is turned back onto OFF and then again
  left ON for at least 2 seconds.
- Unlimited number of ALARM cycles.

RADAR SENSOR   (cycle of 25 seconds, can be deactivated with the remote control or EMERGENCY procedure).

- The ALARM cycle is repeated after a pause of 5 seconds, if the cause of the ALARM persists
  continuously.
- Throughout the time of system ACTIVATION a total of at most 10 ALARM cycles signalled
  by the radar sensor are possible.

N.B.: If an ALARM triggers while another is already ACTIVE, the latter is IGNORED. With the system at rest, if AUTOMATIC IMMOBILIZER ACTIVATION triggers only the IMMOBILIZER is activated along with the visual - audible signal for as long as the key is kept ON (provided it is longer than 2 seconds).

RADAR SENSOR ANTI-BLINDING AND ANTI-MASKING

The ANTI-BLINDING and ANTI-MASKING functions of the radar sensor make it possible to monitor the transducers (**MTR 2000**) and their electrical connections.

DETECTION of TROUBLE is indicated:

- **BY SHORT SIGNALS, FOLLOWING SYSTEM ACTIVATION:**

- INDICATORS
- LED (red warning light)

- SELF-POWERED SIREN - SIR 027
- HORNS

CAUTION:

- RADAR SENSOR exclusion also involves EXCLUDING this function.

- If the system is NOT DEACTIVATED, the alarm unit will activate a complete alarm CYCLE, to then automatically exclude the RADAR SENSOR.

- **AFTER AN ALARM CYCLE:**

SELF-POWERED SIREN - SIR 027

- VEHICLE HORNS

- INDICATORS

- LED (red warning light)

COMPLETE ALARM CYCLE, repeated for at most 10 times, if the CAUSE persists.

AUTOMATIC IMMOBILIZER ACTIVATION

16 PULSES	**1 SHORT SIGNALS OF BUZZER AND LED FOR:**	
	TIME-LAGGED BY **5 MINUTES** AFTER SWITCHING OFF THE KEY (**OFF**).	
17 PULSES	**3 SHORT SIGNALS OF BUZZER AND LED FOR:** **AUTOMATIC** IMMOBILIZER ACTIVATION **EXCLUDED** *STANDARD SETTING*	
18 PULSES	**4 SHORT SIGNALS OF BUZZER AND LED FOR:**	
	IMMEDIATE ON OPENING A DOOR WITH KEY (**OFF**).	

SIGNALS FOLLOWED BY ADDITIONAL **CONFIRMATION**:

- CONTINUOUS TONE OF THE BUZZER
- FLASHING LED (red warning light)

19 PULSES	**ALARM OUTPUT SELECTION: CONTINUOUS**
	CONTINUOUS OUTPUT (if it was intermittent).

- CONTINUOUS TONE OF THE BUZZER
- FLASHING LED (red warning light)

19 PULSES	**ALARM OUTPUT SELECTION: INTERMITTENT**
	INTERMITTENT (if it was continuous)

CAUTION: The INTERMITTENT OUTPUT MUST be used if the vehicle's original HORNS are connected.

STANDARD SETTING

- INTERMITTENT BUZZER then CONTINUOUS

- FLASHING LED (red warning light)

TIMED STATUS SIGNAL SETTING

11 PULSES	**1 SHORT SIGNALS OF BUZZER AND LED FOR: 10 SECONDS** *STANDARD SETTING*	♩	LED
12 PULSES	**2 SHORT SIGNALS OF BUZZER AND LED FOR: 20 SECONDS**	♫	LED
13 PULSES	**3 SHORT SIGNALS OF BUZZER AND LED FOR: 30 SECONDS**	♫♩	LED
14 PULSES	**4 SHORT SIGNALS OF BUZZER AND LED FOR: 45 SECONDS** SIGNALS FOLLOWED BY ADDITIONAL **CONFIRMATION**:	♫♫	LED

- **CONTINUOUS TONE OF THE BUZZER**
- **FLASHING LED** (red warning light)

CAUTION: First select the status signal as timed on PAGE **18**

15 PULSES	**SELECTING DOOR UNLOCKING TIME**
	Decrease in door opening time to **0.5 seconds**.

♫	LED
	- **TREBLE / BASS TWO-TONE SIGNALOF THE BUZZER** - **FLASHING LED** (red warning light)

15 PULSES	**SELECTING DOOR UNLOCKING TIME**
	Resetting door opening time to **1.25 seconds**. *STANDARD SETTING*

♫	LED
	- **TREBLE / BASS TWO-TONE SIGNALOF THE BUZZER** - **FLASHING LED** (red warning light)

procedure to enter PROGRAMMING: page 13

ALARM MEMORIES

An alarm occurring with the system activated is signalled on DEACTIVATING the SYSTEM after the customary DEACTIVATION SIGNALS with:

♩	LED

SHORT SIGNALS SPACED APART

- **SINGLE-TONE NOTES** (with siren **SIR 027**)
- **LED** (red warning light)
  spaced apart and following the DEACTIVATION signal

♩	**1 SHORT SIGNAL OF BUZZER + LED FOR:**
	DOOR, BONNET AND BOOT BUTTONS
♫	**2 SHORT SIGNALS OF BUZZER + LED FOR:**
	ATTEMPTED STARTING (KEY **ON**)
♫♩	**3 SHORT SIGNALS OF BUZZER + LED FOR:**
	RADAR SENSOR
♫♫	**5 SHORT SIGNALS OF BUZZER + LED FOR:**
	BLINDING OR MASKING RADAR SENSOR

The signal indicates the 1st ALARM occurring throughout the system activation time.

It is CANCELLED by turning ON the key after system deactivation.

SELF-DIAGNOSIS

The **med 2000.K** ALARM UNIT has a "SELF-DIAGNOSIS" function.
This check also includes the combined peripheral devices, especially "INTELLIGENT" ones that are controlled by their own microprocessor, such as the internal RADAR SENSOR and the **SIR 027** siren.

6 BEEPS of the BUZZER and **6 FLASHES** of the LED after the DEACTIVATION signal indicate TROUBLE HAS BEEN FOUND in the SYSTEM.

In this case, please PHONE the **med** TECHNICAL SERVICE.
The TROUBLE recorded by SELF-DIAGNOSIS is highlighted with SHORT SIGNALS SPACED APART of

the BUZZER and LED:

♩	LED
	- **SINGLE-TONE NOTES** - **LED** (red warning light) spaced apart and following the DEACTIVATION signal

♫♫♩	**6 SHORT SIGNALS OF BUZZER AND LED FOR:**
	TROUBLE FOUND BY SELF-DIAGNOSIS
	CAUTION!!! CALL med TECHNICAL SERVICE

AUTOMATIC IMMOBILIZER ACTIVATION

INSTALLATION according to EUROPEAN EC DIRECTIVE 95/56 REQUIRES, in the case of installation of a med **IMMOBILIZER, AUTOMATIC IMMOBILIZER ACTIVATION.**

ACTIVATION can be set by the INSTALLER (PROGRAM ON PAGE 20):

A. IMMEDIATE

B. With a TIME-LAG of **5 minutes**

C. EXCLUDED (only if there is not a **med** immobilizer)

A. IMMEDIATE

- **-** Door opening is followed by switching off the key.
- **-** With a time-lag of 1 minute if a door is already open.

With automatic immobilizer ACTIVE, if the key is turned onto **ON** and you try to start the vehicle:

- **-** The engine will NOT start, the BUZZER (with the **SIR 027** siren) will sound CONTINUOUSLY and the INDICATORS and LED will stay ON STEADY.

- **-** Turning the key back onto OFF there will be some SHORT SIGNALS of the BUZZER combined with flashes of the LED.
- **-** The LED is now flashing.

If the key is turned onto ON and you try starting:

- **-** The engine will NOT start and the LED will stay ON STEADY until the key is turned OFF.

To start the engine it is necessary to DEACTIVATE the system with the remote control or to run the EMERGENCY procedure. (page 5)

B. With a **TIME-LAG OF 5 minutes**
The time-lag for activating automatic immobilizer ACTIVATION is calculated
from when the key is turned OFF.

- **• Automatic IMMOBILIZER ACTIVATION is signalled by some SHORT SIGNALS OF THE BUZZER COMBINED WITH FLASHES OF THE LED.**

With automatic IMMOBILIZER **ACTIVE**:

A PUSH-BUTTON ALARM (for example, opening a door) causes the LED and the INDICATORS to com on and the BUZZER to SOUND continuously until the door is closed.

- **-** The SIGNAL is repeated for at most 5 times and is then suspended.
- **-** If the key is turned onto ON the door-open SIGNALS STOP.

9

---

9 PULSES	SELECTING FIXED / TIMED STATUS SIGNAL

Quit timed status:
By setting this function it is possible to select the activation time to **10** (standard), **20**, **30**, **45 seconds**.

- **- TREBLE / BASS TWO-TONE SIGNALOF THE BUZZER**
- **- FLASHING LED** (red warning light)

9 PULSES	

It restores quitting the "FIXED" status, i.e. it supplies a negative signal that is always present with the system activated.
This setting turns out right for the combination with the **med *GLOBAL*** satellite system or the anti-lifting sensor.

STANDARD SETTING

- **- BASS / TREBLE TWO-TONE SIGNAL OF THE BUZZER**
- **- FLASHING LED** (red warning light)

10 PULSES	SYNCHRONIZING DOOR LOCKING / STATUS SIGNAL

This permits simultaneously SENDING door locking and TIMED STATUS controls.

- **- TREBLE / BASS TWO-TONE SIGNALOF THE BUZZER**
- **- FLASHING LED** (red warning light)

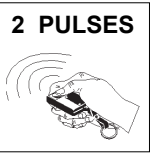| 10 PULSES	STATUS SIGNAL TIME-LAGGED OVER DOOR LOCKING
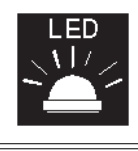
On repeating the PROGRAMMING, the TIMED STATUS signal goes back to being TIME-LAGGED over door locking.
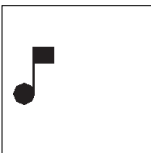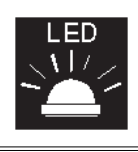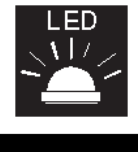
STANDARD SETTING

- **- BASS / TREBLE TWO-TONE SIGNAL OF THE BUZZER**
- **- FLASHING LED** (red warning light)

18

RADAR SENSOR SENSITIVITY ADJUSTMENT

2 PULSES	2 SHORT SIGNALS OF BUZZER AND LED FOR: **LOW SENSITIVITY**		LED
3 PULSES	3 SHORT SIGNALS OF BUZZER AND LED FOR: **MEDIUM SENSITIVITY** *STANDARD SETTING*		LED
4 PULSES	4 SHORT SIGNALS OF BUZZER AND LED FOR: **HIGH SENSITIVITY**		LED

SIGNALS FOLLOWED BY ADDITIONAL **CONFIRMATION**:

- **CONTINUOUS TONE OF THE BUZZER**
- **FLASHING LED** (red warning light)

SETTING DOOR LOCKING TIME

5 PULSES	1 SHORT SIGNALS OF BUZZER AND LED FOR: **1.25 SECONDS** *STANDARD SETTING*		LED
6 PULSES	2 SHORT SIGNALS OF BUZZER AND LED FOR: **10 SECONDS**		LED
7 PULSES	3 SHORT SIGNALS OF BUZZER AND LED FOR: **20 SECONDS**		LED
8 PULSES	4 SHORT SIGNALS OF BUZZER AND LED FOR: **30 SECONDS**		LED

SIGNALS FOLLOWED BY ADDITIONAL **CONFIRMATION**:

- **CONTINUOUS TONE OF THE BUZZER**
- **FLASHING LED** (red warning light)

If the key is turned onto ON and you try starting the vehicle:

- The engine will NOT start, the BUZZER will sound CONTINUOUSLY and the INDICATORS and LED will stay ON STEADY.
- Turning the key back onto OFF there will be some SHORT SIGNALS of the BUZZER combined with flashes of the LED.
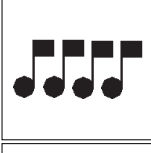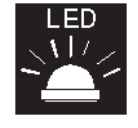- The LED is now flashing.

If the key is turned onto ON and you try starting:

- The engine will NOT START, the ALARM is ACTIVATED, FLASHING THE INDICATORS and the LED until the key is turned OFF.

To start the engine it is necessary to DEACTIVATE the system with the remote control or to run the EMERGENCY procedure.(page 5)

CAUTION: Using the PIN-CARD with the SECRET EMERGENCY CODE always causes automatic immobilizer activation with a time lag of 10 minutes.

C. EXCLUDING

The automatic immobilizer activation option can be excluded by the INSTALLER, with the relevant PROGRAM, only if no provision has been made for installing the **med** immobilizer.

DISABLING / RESETTING LOST REMOTE CONTROLS

The **med 2000.K** alarm unit can handle up to 8 remote controls, 2 of which supplied in the package.

With this function it is possible to disable one or more remote controls that have been lost or stolen, keeping the system security level high.

With the same procedure it is possible to reactivate a remote control disabled by mistake.

The procedure is as follows:

If we try and use a disabled remote control:

2 SHORT REJECTION SIGNALS:

- **SINGLE-TONE NOTES (with SIR 027)**
- **LED (red warning light)**

CAUTION:

These functions are only possible if at least one working and enabled remote control is available.

Duplicates of remote controls requested from **med** through the installer are supplied already enabled.

STANDARD VALUES SET

- RADAR SENSOR SENSITIVITY: **MEDIUM**
- DOOR LOCKING TIME: **1.25 SECONDS**
- DOOR UNLOCKING TIME: **1.25 SECONDS**
- ACTIVATION OF DOOR LOCKING/STATUS: **STAGGERED**
- STATUS SIGNAL: **FIXED**
- AUTOMATIC IMMOBILIZER ACTIVATION: **EXCLUDED**
- RADAR SENSOR: **ACTIVE** with ANTI-BLINDING / ANTI-MASKING FUNCTIONS
- SIREN: **ACTIVE** WITH SOUND PROGRAMMING **RESET** (with siren **SIR 027**)
- SOUND SIGNALS FOR ACTIVATION AND DEACTIVATION: **ACTIVE** (with **SIR 027**siren)
- ADDITIONAL ALARM OUTPUT: **INTERMITTENT**
- ACCIDENTAL DEACTIVATION PREVENTION: **DEACTIVATED**

N.B: On some vehicles this function is controlled by the original system, for locking doors only.

- SYSTEM: **IN SERVICE**

PROGRAMS THE USER CAN SET (with no. **4** [+15] ON-OFF - OFF)

No. of pulses **DESCRIPTION** **PAGE**

No. of pulses	DESCRIPTION	PAGE
5	OUT-OF-SERVICE / RESET SERVICE	**14**
7	CUSTOMIZING THE SOUND OF THE ALARM SIREN WITH THE **SIR 027 SIREN**	**14**
9	ACCIDENTAL DEACTIVATION PREVENTION	**15**
9	ACCIDENTAL DEACTIVATION PREVENTION EXCLUSION -*STANDARD setting*	
11	PERMANENT EXCLUSION OF SOUND SIGNALS FOR SYSTEM ACTIVATION / DEACTIVATION	**15**
11	RESETTING SOUND SIGNALS FOR ACTIVATION / DEACTIVATION OF SYSTEM WITH **SIR 027** (OPT.)-*STANDARD setting*	
13	DISABLING / RESETTING LOST REMOTE CONTROLS	**16**

11   The set PROGRAMS stay in MEMORY when there is no power supply

13 PULSES

DISABLING / RESETTING LOST REMOTE CONTROLS

PROGRAMMING makes it possible to DISABLE REMOTE CONTROLS THAT HAVE BEEN LOST or STOLEN.
For further information, see page 10.

- Enter user programming.
- Press the enabled remote control button 13 times:

LED | musical scale
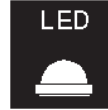
- **LED OFF DURING WARNING SOUND**
- **WARNING SOUND DECREASING**

2 PULSES

- At the end of the signals, press the button of an enabled remote control twice in sequence and wait:
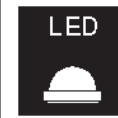
CONFERMATION 1 SHORT SIGNAL

FROM BUZZER AND LED GOES OUT

- After the confirmation signal, repeat the process with all the remote controls that are active, or to be re-enabled, starting with the ones already enabled; for each remote control: (**2 pulses**).

- At the end, turn the key **ON** - **OFF** once.

CAUTION:
If this programming is mistakenly activated, quit immediately by turning the key once **ON** - **OFF** (without using the remote control), or follow it through to the end using all the remote controls.
At the end, check that all the remote controls work properly.

16

9 PULSES

ACCIDENTAL DEACTIVATION PREVENTION

After ACTIVATING this function, every time the system is deactivated with the REMOTE CONTROL but no one gets into the car within 40 sec., the entire system is automatically reactivated.

	LED
- **BASS/TREBLE TWO-TONE SIGNALOF THE BUZZER**	
- **FLASHING LED** (red warning light)	

N.B. Push-buttons of doors, bonnet and boot must be connected to avoid unwanted system reactivation. Activation of this function protects against unwanted operation of the remote control.

---

9 PULSES

ACCIDENTAL DEACTIVATION PREVENTION EXCLUSION

This permits DEACTIVATING this additional PROTECTION.

STANDARD SETTING

	LED
- **TREBLE/BASS TWO-TONE SIGNALOF THE BUZZER**	
- **FLASHING LED** (red warning light)	

---

11 PULSES

PERMANENT EXCLUSION OF THE SOUND SIGNALS FOR ACTIVATION / DEACTIVATION WITH SIR 027

PROGRAMMING makes it possible to disable the sound signals when activating and deactivating the system, while keeping the sight signals with the indicators and LED.

	LED
- **TREBLE/BASS TWO-TONE SIGNALOF THE BUZZER**	
- **FLASHING LED** (red warning light)	

CAUTION: ALL the other service signals stay ENABLED: ALARM MEMORY, PROGRAMMING, etc.

---

11 PULSES

RESETTING SOUND SIGNALS FOR ACTIVATION DEACTIVATION with SIR 027

This REACTIVATES the sound signals when activating and deactivating the system.

STANDARD SETTING

	LED
- **BASS/TREBLE TWO-TONE SIGNALOF THE BUZZER**	
- **FLASHING LED** (red warning light)	

PROGRAMS RESERVED FOR INSTALLER CAN SET (with no. 8 [+15] ON - OFF)

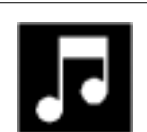| No. of pulses	DESCRIPTION	PAGE
2 .... 3 .... 4	**RADAR SENSOR SENSITIVITY ADJUSTMENT** LOW MEDIUM - ***STANDARD setting*** HIGH	17
5 .... 6 .... 7 .... 8	**DOOR LOCKING TIME SETTING** 1.25 sec - ***STANDARD setting*** 10 sec 20 sec 30 sec	17
9	**SELECTING FIXED / TIMED STATUS SIGNAL** FIXED / TIMED STATUS SIGNAL - ***STANDARD setting***	18
10	**ACTIVATION WITH TEMPORARY DOOR LOCKING / TIMED STATUS** CONCURRENT - ***STANDARD setting*** / TIME-LAGGED	18
11 .... 12 .... 13 .... 14	**STATUS SIGNAL TIME IF TIMED** 10 SECONDS - ***STANDARD setting*** 20 SECONDS 30 SECONDS 45 SECONDS	19
15	**SELECTION OF DOOR UNLOCKING TIME TO 0.5 SEC.** 0.5 sec / 1.25 sec - ***STANDARD setting***	19
16 .... 17 .... 18	**AUTOMATIC IMMOBILIZER ACTIVATION** at **5 minutes** automatic immobilizer activation EXCLUSION - ***STANDARD*** **AUTOMATIC IMMOBILIZER ACTIVATION** IMMEDIATE	20
19	**ALARM OUTPUT SELECTION** CONTINUOUS / INTERMITTENT - ***STANDARD setting***	20
20	**ACCIDENTAL DEACTIVATION PREVENTION** EXCLUDE - ***STANDARD setting*** / RESTORE	21
21 .... 22	**OPERATING TESTS** RADAR SENSOR PUSH-BUTTONS OF DOORS, BONNET, BOOT and "LEVEL"	21 23
23	**PERMANENT EXCLUSION / RESETTING RADAR SENSOR** EXCLUDE / RESTORE - ***STANDARD setting***	24
24	**PERMANENT EXCLUSION / RESETTING ANTI-BLINDING AND ANTI-MASKING FUNCTION of RADAR SENSOR** EXCLUDE / RESTORE - ***STANDARD setting***	24
25	**DISABLING / RESETTING LOST REMOTE CONTROLS**	25
26	**RESETTING the ORIGINAL CONDITIONS PROGRAMMED by med** setting STANDARD VALUES - RESETTING the CONTROL UNIT	25
30...............	**IMMOBILIZER WITH DIGITAL CONTROL** REPLACING the **med 2000.K** control unit if combined with IMMOBILIZER with DIGITAL control (for example **med 30** o **med 58.xD**)	26

PROCEDURE TO ENTER PROGRAMMING

It is possible to have TWO different types of PROGRAMMING:

- **USER** : concerning use of the system.
- **INSTALLER** : **for interfacing the system with the vehicle**.

With the system DEACTIVATED and KEY turned OFF (panel off):

USER PROGRAMMING   (no.= **4** [+15] ON-OFF)   (indicated with title on WHITE BACKGROUND)

1. Turn the key ON (panel on) and OFF (panel off) 4 times
in all (ON - OFF, ON - OFF, ON - OFF, ON - OFF) ending with the key OFF.

At the end of this process, check the status of the LED and BUZZER:
- If within 2 seconds there are no signals, wait at least 10 sec. and repeat point 1.
- If the LED initially flashes then stays on STEADY and BUZZER emits an INTERMITTENT SIGNAL, the alarm unit has entered the USER PROGRAMMING phase.

- Then pass on to point 2.

RESERVED FOR INSTALLER PROGRAMMING   (no.= **8** [+15] ON-OFF) (indicated with title on GREY BACKGROUND)

1. Turn the key ON (panel on) and OFF (panel off) 8 times
in all (ON - OFF, ON - OFF, ON - OFF, ON - OFF, ON - OFF, ON - OFF, ON - OFF, ON - OFF) ending with the key OFF.
At the end of this process, check the status of the LED and BUZZER:

- If within 2 seconds there are NO signals, wait at least 10 sec. and repeat point 1.
- If the LED initially flashes then stays on STEADY and the BUZZER emits a CONTINUOUS SIGNAL, the alarm unit has entered the INSTALLER PROGRAMMING phase.

- Then pass on to point 2.

2. With the alarm unit on PROGRAMMING the LED is ON STEADY.

3. Carry out the desired PROGRAMMING with the pulses of the remote control (with each valid pulse the LED goes out for approximately ½ second and the BUZZER emits a BEEP).

4. On ending PROGRAMMING:

- If with a short time lag the LED and BUZZER highlight the sequence indicated on the specific page of the PROGRAM made, this has been accepted and so it is therefore possible to set a NEW ONE.

- If within 2 seconds there are NOT the expected signals, it is necessary to repeat the PROGRAMMING from point 2.

5. To end the procedure and make the set PROGRAMMING ACTIVE (or to break off the procedure), turn the key onto ON, then back onto OFF.

- **CAUTION**:
- It is only possible to access the PROGRAMMING PHASE with the system at rest (deactivated).
If the power supply to the alarm unit is cut off, the ONLY programs that stay in memory are the completed ones.
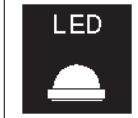
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5 PULSES	SYSTEM OUT OF SERVICE

RECOMMENDED in the case of the CARY STAYING in a garage, car-wash or anywhere the vehicle does not need to be protected, so as not to leave the remote control in the car and avoid unintentional operation or incorrect operations by persons who are not familiar with the USE of the system.

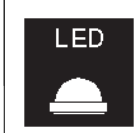| LED	musical scale	- LED OFF DURING WARNING SOUND - WARNING SOUND DECREASING

CAUTION: The system OUT OF SERVICE responds to the remote control with the rejection signal: (5 BEEPS and 5 flashes of the LED).

5 PULSES	RESETTING SYSTEM SERVICE

The SYSTEM programmed OUT OF SERVICE returns fully OPERATIVE keeping ALL the PROGRAMS made previously.

LED	musical scale	- LED OFF DURING WARNING SOUND - WARNING SOUND INCREASING

7 PULSES	CUSTOMIZING THE SOUND OF THE ALARM SIREN WITH THE SIR 027 SIREN

This PROGRAM makes it possible to CUSTOMIZE the SOUND sequence of the **SIR 027** SIREN during the ALARM CYCLE. It is possible to VARY the SOUND as preferred, between the two different CONFIGURATIONS available.
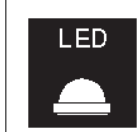
LED	musical scale	- WARNING SOUND INCREASING - LED OFF DURING WARNING SOUND

The LED and the CONTINOUS BEEP come back on to indicate PROGRAMMING. Each PULSE of the remote control corresponds to a CHANGE in the sound of the BUZZER and the STATUS of the LED (on or off), indicating the different sound set throughout the ALARM cycle.

CAUTION:
- The sound sequence set HOLDS until the same procedure is REPEATED to vary it, or the system is RESET by the installer.

- PROGRAMMING is NOT CUT OFF during execution.

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CERTIFICATE OF INSTALLATION

[med]

I the undersigned installer _____ ,
DECLARE to have installed the IMMOBILIZER/ALARM described below MYSELF in compliance with the manufacturer's instructions .

VEHICLE description :

MAKE: _____   MODEL: _____

SERIAL NUMBER: _____

REGISTRATION NUMBER: _____

Description of the IMMOBILIZER/ALARM in conformity with European Directive 95/56/CE:

Place the data labels supplied with the immobilizer/alarm here and fill in the form.

IMMOBILIZER

Model
Approval nr.
Serial nr.

ACCESSORIES

Model

Serial nr.

SYSTEM CONFIGURATION

med IMMOBILIZER   YES ☐   NO ☐

RADAR SENSOR   YES ☐   NO ☐

date: _____

STAMP:

Position in the company: _____

ALARM UNIT

Model
Approval nr. and
Serial nr.

SIREN

Model

Serial nr.

ACCESSORIES

Model

Serial nr.

Place of installation: _____

full address of installer: _____
_____
_____

INSTALLER'S SIGNATURE: _____

Signature of the company's legal representative: _____

[med]

CERTIFICATE OF INSTALLATION

- KEEP WITH THE VEHICLE

- ACTS ALSO AS THE PRODUCT WARRANTY

- TO BE COMPILED BY THE INSTALLER

GENERAL RECOMMENDATIONS FOR THE USER

\# INSTALLATION must be carried out by QUALIFIED STAFF in accordance with the manufacturer's specific instructions.

\# THE INSTALLER must supply the OWNER of the vehicle with the CERTIFICATE OF INSTALLATION duly compiled and signed, this certificate also acts as the product warranty.

\# THE INSTALLATION of a CAR ALARM in compliance with regulation 95/56/CE foresees:

1. The use of immobilizers and alarms each with individual APPROVAL numbers only ;

2. Connection to ALL door, bonnet and boot push-buttons and the installation of any missing buttons;

3. Connection to the HORN;

4. In the case of **med** IMMOBILIZERS, the immobilizer must be set-up for automatic activation;

5. In the case of RADAR SENSORS, the presence of the sensors must be indicated in this form.

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med s.p.a. declines all responsibility and the WARRANTY ceases to be valid if improper use is made of the product or part of the product, if the product is tampered with or connected to equipment not foreseen by the manufacturer.