



AUTOMOTIVE SOLUTIONS

ENGLISH

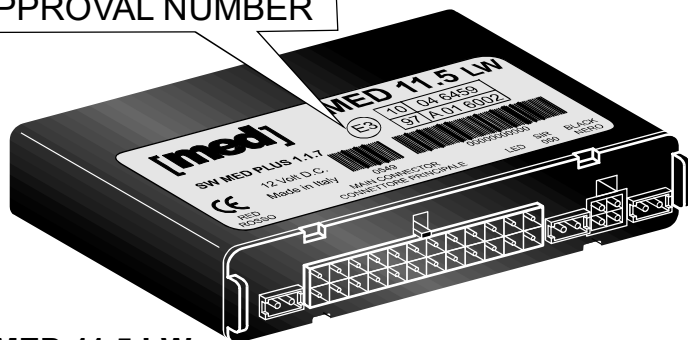


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# MED 11.5 LW

2022

APPROVAL NUMBER



MED 11.5 LW

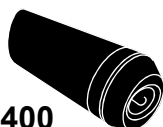


PC PROGRAMMING  
ONLY WITH

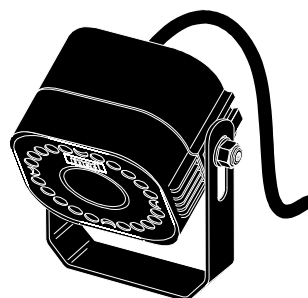
KIT SK PLUS

SW MED PLUS  
1.1.7

CHD 400



OPTIONAL



SIR 050  
SIR 070.LW

ORIGINAL REMOTE CONTROLLED MODULAR ALARM  
WITH BUILT-IN RECEIVER FOR **MED LW** WIRELESS MODULES

**SIR 070.LW IS THE MED SELF-POWERED WIRELESS SIREN.**

MED 11.5 LW CAN CONTROL THE CENTRAL LOCKING READY TO VEHICLES.

## USER'S GUIDE

Landi Renzo S.p.A. - Sede legale: Via Nobel, 2/4 - 42025 - Corte Tegge - Cavriago (RE) - Italia - P.IVA 00523300358

**med** è un marchio **LANDI RENZO S.p.A.**

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ISO/TS 16949

BUREAU VERITAS  
Certification





## QUICK WORKING INSTRUCTIONS

### WARNING:

- These instructions are referred to the system completely installed.
- The other opening parts will also be indicated as doors, for example: hatch doors, windows, storage compartments, bonnet, boot, etc.
- In the instructions are included all the other versions of **MED 11.5** such as, for example, **MED 11.5 CE** with **CHD 400** electronic key.
- The direction indicators can be connected to give the optical signals when the system alarms. In some vehicles they can give also the “service signals” and the system “activation / deactivation” signals in addition to the LED and the **SIR 050** or **SIR 070.LW** buzzer.
- Is possible to use the med remote control as the TX 4000 LW or TX PAR LW, to activate / deactivate the system: they can also open / close the doors, the windows closing drive, manage additional optional modules (features dependent on the characteristics of the vehicle, from the connections made and the additional modules installed).
- The “original remote control” indication includes both the remote control with the keys to be pressed to open / close the vehicle and the latest generation devices with which you merely have to touch the handle of the vehicle to get in, or start the engine with the “START” button, defined by the vehicle manufacturers as KEY LESS, INTELLIGENT KEY, etc.


## SYSTEM ACTIVATION BY THE REMOTE CONTROL

### WITH ULTRASONIC SENSOR, WINDOWS CLOSING AND MODULES:

Lock the vehicle with the original remote control, as indicated by the manufacturer of the vehicle.

In alternative, with **med** remote control:

**TX 4000 LW** = press the button **once**.

**TX PAR LW** = press the button  **once**.

**Confirmation:** 2 LED (red pilot lamp) and direction indicators **flashings**, 2 **two-tone signals** of the buzzer (with SIR 050 / SIR 070), doors locking, windows closing, LED lit fixed, then flashing with active ultrasonic sensor.

**WARNING:** 3 **flashings**, 3 **two-tone signals**, doors locking, windows closing, **LED immediately flashing** indicate the activation without ultrasonic sensor (definitive cuttingout).

3 **flashings**, 3 **two-tone signals**, doors locking, windows closing, LED **fixedly switched on, then blinking** mean the arming with out buttons reading (doors, bonnet, boot) and / or additional modules cut out.


### WITHOUT ULTRASONIC SENSOR, WINDOWS CLOSING AND MODULES CUT OUT:

Turn the ignition key off or open a door with the ignition key turned off, then while the LED is lit, hold the button down until the two-tone acoustic confirmation signal is given (LED off with the button pressed). Then lock the vehicle with the original remote control.

**Cutout continues until the panel key is turned ON [+15] again.**

In alternative, with **med** remote control:

**TX 4000 LW** = press in quick succession the button twice.

**TX PAR LW** = press the button  **once**.


**Confirmation:** 4 **short flashings** LED and direction indicators, 4 **two-tone signals** of the buzzer, doors locking, LED immediately flashing.

# SYSTEM DESACTIVATION

Open the vehicle with the original remote control, as indicated by the manufacturer of the vehicle. For the vehicles having a separate boot-opening button: usually even this button allows the alarm system deactivation; only for some vehicles, due to the original working, the doors need to be opened before, then the boot.

In alternative, with **med** remote control:

**TX 4000 LW** = press the button **once**.

**TX PAR LW** = press the button  **once**.

**WARNING:** Press **1 time** the button of the remote control or **2 times** in fast sequence (only for those cars where the double manual control opens the driver's door first, and then the passengers' ones).

**Confirmation:** **long flashing** LED and direction indicators, **1 extended signal** of the buzzer, doors opening, LED switched off (with closed doors; for some vehicles LED on).

On some vehicles, the ignition of the [+15] ON done with the original key starter can turn the alarm off, making the function of "emergency key".

In these cases, the car must be recognized code of the transponder in the key content as their own, by disabling the immobilizer original, similar to the use of remote control series, which send the corresponding signals on the CAN line to the central MED 11.5 LW.

It 'also possible, through the installer to configure the system so that the remote turn off the alarm, but only the use of CHD 400 (optional) allows starting the engine and permanently disable the alarm.

If any anomalies or alarms occurred, the first alarm is shown by some additional signalings (BEEPS) of the siren and by some LED flashings:

- 1 Doors, bonnet, boot openings detected on "CAN" line.
- 2 Contact key [+15] ON.
- 3 Ultrasonic sensor (it detects all kind of intrusions in the vehicle).
- 4 Doors, bonnet, boot and additional modules on delayed analogical line (LIGHT BLUE / WHITE wire - IN 1).
- 5 Anti-tampering of the ultrasonic sensor (anti-blinding / anti-masking).
- 6 Doors, bonnet, boot on instantaneous analogical line (LIGHT BLUE wire - IN 2).
- 7 Contact key [+15] ON detected on "CAN" line.
- 9 Opening the doors, windows and storage compartments detected by wireless contacts MIC LW, MIC MEC LW.
- 10 Opening the doors, windows, storage compartments detected by chokable wireless contacts: MIC LW, MIC MEC LW, infrared sensors SEN INFRA LW, SEN INFRA 360 LW.
- 11 Gas sensor SEN GAS LW.
- 12 The boot lid opens, if separately detected on the "CAN" line (or only 1 signal).
- 13 The bonnet lid opens, if separately detected on the "CAN" line (or only 1 signal).
- 14 The bonnet lid opens, if separately detected on the wireless electronic siren SIR 070 LW.
- 15 Cut out power wireless electronic siren SIR 070 LW.

**The alarm memory is repeated if the system is activated and deactivated without turning the contact key on [+15] ON.**

**It's cancelled only by turning the contact key [+15] ON.**

To simplify the use of the system, we always suggest the pairing of the electronic key **CHD 400** (allowing the system activation / desactivation without the remote control and the vehicle start).

We offer a complete range of accessories designed specifically to be paired with this alarm control unit, which prove useful to complete the protection system, such as the following for example: wireless sensors with magnetic contact MIC LW or mechanical contact MIC MEC LW for protecting doors, windows and storage compartments; infrared sensors SEN INFRA LW (mounted on sides) or SEN INFRA 360 LW (mounted on internal roof); wireless sensor that detects soporific gas or LPG (Liquefied Petroleum Gas or rather Butane and Propane): SEN GAS LW; auxiliary acoustic indicators, satellite protection systems controlled by both the Control Centre and also self-sufficiently by the vehicle owner.

**Ask your MED installer for more.**

#### **WARNING:**

- The installer has to give to the vehicle owner the **PIN CARD**, **THESE USER'S GUIDE** and the **INSTALLATION CERTIFICATE** duly filled out and signed, that is valid as product warranty (to keep on board).
- The central unit has to be installed by skilled personnel.
- Some functions may exclude others.  
Some depend directly on the equipment of the vehicle and on the accessories installed.
- The maximum transmission range of the wireless sensors (roughly 10 meters) is reduced in the presence of strong radiofrequency disturbance and also if the built-in battery should run low.
- Follow the instructions below to replace the battery.
- Landi Renzo S.p.A. declines all responsibility and suspends the warranty in case of any inappropriate use of the product, in case of tampering or pairing with inappropriate devices.
- Position the control unit and the wireless sensors inside the vehicle, away from heat sources and protected against the infiltration of liquids or condensate; the wires must lead up to the control unit from below.
- Landi Renzo S.p.A. reserves the right to bring any kind of improvements without previous notice.
- The **MED 11.5 LW** and the wireless siren **SIR 070.LW** can be installed in **24 Vdc** vehicles with the **KIT 24V** potential divider.

#### **DENIAL ON ACTIVATION**

- With the contact key in on position, the central unit ignores the remote control and the electronic key.
- **3 BEEPS** and **3 flashings** of the LED mean that the door, the bonnet or the boot are opened and the buttons is connected to instantaneous input (LIGHT BLUE wire - IN 2) or detected by the CAN line.

Close the door and activate the system again.


If the alarm is activate on the closing doors the 3 BEEPS are followed by a long continuous buzzer BEEP that ends only when all doors are closed.

The alarm is activated automatically.

- System activation by electronic key CHD 400 or the buttons is connected to delayed input (LIGHT BLUE/WHITE wire - IN 1), and the door is not closed, the system is activated, then after the pre set delay time (standard **30 / 50** seconds) the system carries out an alarm cycle.
- **5 BEEPS** and **5 flashings** of the LED mean that the system is OUT OF ORDER.  
PROGRAM the system to activate it again.

## PANIC FUNCTION

Using the transmitter **TX PAR LW** you can activate an alarm cycle with the siren, turn signals and supplementary warning devices in the case of a dangerous situation.

Press the button of the **TX PAR LW** with the symbol  for **2 / 3** seconds consecutively until the alarm cycle starts.

The alarm is interrupted by pressing the panic button or the de-activation button of the **TX PAR LW**, using the electronic key **CHD 400** or by disabling the system with the original remote control of the vehicle.

## THE FOLLOWING INSTRUCTIONS ALLOW A DEEPER KNOWLEDGE OF THE SYSTEM

### PIN CARD

It is the card supplied in the box, showing the serial number of the central unit and the MAIN CODE, with the relevant use procedure. It allows the system desactivation without remote control or electronic key. It allows the electronic keys CHD 400 or the remote controls TX 4000 LW, TX PAR LW self-learning, either to add some others or to cancel the lost ones. Duplicates available on request at the installer's place giving him the "serial number" of the central unit.

### EMERGENCY DESACTIVATION

On certain vehicles, the alarm can recognize the use of the original ignition key, even if the original remote control does not work or is not integrated in the key, allowing you to deactivate the system. The system can also be deactivated by entering the emergency code displayed on the **PIN-CARD** or the electronic key **CHD 400**.

### USE OF THE MAIN CODE

- 1 Remove the PIN CARD label: the main code is now shown.
- 2 Insert the ignition key and turn it one time on / off to switch the LED on (red pilot light).
- 3 Before the LED is switched off, press its button down briefly as many times as the first number of the code; each time the LED switches off and 1 BIP of the buzzer (with SIR 050 / SIR 070) to confirm.
- 4 Wait until the LED is off and on again.
- 5 Repeat the 3-4 steps for each remaining code numbers.

**The usual desactivation signal confirms the operation has been completed successfully.**

**PRESS THE BUTTON ONLY WHEN THE LED IS ON**

### CHD 400 ELECTRONIC KEY

They activate / deactivate the system. This in the box is ready to use.

There is antiscanner, self-learning and ROLLING CODE. It is possible to use up to 4 pieces simultaneously, cancel the lost and pair some other, new ones (please ask you installer).

### SYSTEM ACTIVATION BY THE ELECTRONIC KEY

Put and press the key on its key socket (the two metallic parts have to come in contact): the LED switches on slightly "vibrating", then, once detached the key, it remains lit fixed and the buzzer gives a continuous hiss ending with the usual signaling of the system activation, after about 20 seconds.

- The procedure will cut off putting the key again on its key socket or turning the ignition key on.
- The system activates itself completely.

### SYSTEM ACTIVATION BY THE ELECTRONIC KEY EXCLUDING THE ULTRASONIC SENSOR AND THE WINDOWS CLOSING

- 1) Turn the key in OFF position or open a door with [+15] OFF.
- 2) Press the LED button while it is on steady for 5 seconds.  
Release the button; the LED is off now.

- 3) Press the key on its key socket. On the LED relighting press the electronic key on its key socket: the LED switches on slightly “vibrating”, then, once detached the key, it remains lit fixed and the buzzer gives a continuous hiss ending with the usual signaling of the system activation without ultrasonic sensor, windows closing and modules, after about 20 seconds.
- The procedure will cut off putting the key again on its key socket or turning the ignition key ON.

### **SYSTEM DESACTIVATION BY THE CHD 400 ELECTRONIC KEY:**

- 1) Open the door using the original vehicle's system.
  - If it was activated using the key, it is possible to deactivate it within 8 seconds avoiding the alarm from the buttons, the ultrasonic sensor and the additional modules.
  - If the system was activated by the remote control, the system alarms.
  - If it was activated using the key, it is possible to deactivate it within 8 seconds avoiding the alarm from the buttons, the ultrasonic sensor and the additional modules.
  - When turning the ignition key on, the system alarms immediately.
- 2) Press the key on its key socket: the LED starts “vibrating” slightly, followed by the doors opening with the usual system deactivation signaling, followed by the “alarm memory”, if any alarms or anomalies have occurred.

### **PAIRING / CUTTING OUT OF THE CHD 400 ELECTRONIC KEYS:**

- 1) With the system in off position enter the MAIN CODE as shown on the PIN CARD.
- 2) When the confirmation BEEPS end and the LED is switched on fixed again, within **8 seconds** press on the key socket for 3 close times the metallic part of each **key CHD 400 to be activated or to keep working, waiting each time the LED relighting and the BEEP from the buzzer.**

#### **Confirmation:**

- **2** Beeps close together and **2** blinks of the LED confirm that the CHD 400 has been stored.
  - **4** Beeps close together and **4** blinks of the LED indicate that this electronic key has already been enabled.
  - **6** Beeps close together and **6** blinks of the LED when the 4 electronic key foreseen are already enabled. No others can be added.
- 3) Once activated the last one, turn ON / OFF the ignition key one time or wait for 30 seconds.

#### **WARNING:**

- The unused keys during this operation **are deactivated; they can be activated again by repeating the procedure.**
- The procedure can be cut off only in the initial phase, only if the first key has been pressed for maximum 2 times. After 30 seconds without doing anything the procedure is quitted.
- Once activated the procedure, it is possible to learn the TX 4000 LW or TX PAR LW remote control.

### **TX 4000 LW REMOTE CONTROL** (Cod. 913033000)

For activate / deactivate the system from distance, unlock and lock the doors, control the windows closing and the paired additional optional modules.

There is antiscanner, ROLLING CODE and self-learning.

Those in the box are ready to use. It is possible to use up to 4 pieces simultaneously, cancel the lost and pair some other, new ones (please ask your installer). To allow the internal battery to last longer, use both regularly, avoiding to let one of them unused for years.

### **PAIRING / CUTTING OUT OF THE TX 4000 LW REMOTE CONTROLS**

- 1) With the system in off position enter the MAIN CODE as shown on the PIN CARD.
- 2) When the confirmation BEEPS end and the LED is switched on fixed again, within **30 seconds** press for **three times** consecutively one button of each remote control to be activated or to keep working, waiting each time the LED relighting and the BEEP from the buzzer.





### Confirmation:

- **2** Beeps close together and **2** blinks of the LED confirm that the remote control has been saved.
  - **4** Beeps close together and **4** blinks of the LED indicate that this remote control has already been enabled.
  - **6** Beeps close together and **6** blinks of the LED indicate that the **4 TX 4000 LW** remote controls foreseen are already enabled. No others can be added.
- 3) Once activated the last one, turn ON / OFF the ignition key one time or wait for 30 seconds.

### WARNING:

- The **TX 4000 LW** that are not used in this operation are disabled; **they can be re-enabled by repeating the operation.**
- The procedure can be cut off only in the initial phase, only if the button of the first remote control has been pressed for maximum 2 times.  
After 30 seconds without doing anything the procedure is quitted.
- Once activated the procedure, it is possible to learn the CHD 400 electronic keys or the TX PAR LW remote control.

### TX PAR LW REMOTE CONTROL unit has **4 buttons** for:

- complete activation of the system: press the button with the symbol  ;
- partial activation of just the perimeter protection MIC LW and MIC MEC LW (without volumetric sensors, or infrared sensors, or MIC LW or MIC MEC LW that can be choked), press  ;
- complete de-activation of the system: press the button with the symbol  ;
- panic function press  for 2 / 3 seconds consecutively until the alarm cycle starts.

There is antiscanner, ROLLING CODE and self-learning. Those in the box are ready to use. It is possible to use up to 4 pieces simultaneously, cancel the lost and pair some other, new ones (please ask your installer). It has a replaceable lithium battery CR 2032.

### PAIRING / CUTTING OUT OF THE TX PAR LW REMOTE CONTROLS

- 1) With the system in off position enter the MAIN CODE as shown on the PIN CARD.
- 2) When the confirmation BEEPS end and the LED is switched on fixed again, within **30 seconds** press for **three times** consecutively one button of each remote control to be activated or to keep working, waiting each time the LED relighting and the BEEP from the buzzer.

### Confirmation:

- **2** Beeps close together and **2** blinks of the LED confirm that the remote control has been saved.
  - **4** Beeps close together and **4** blinks of the LED indicate that this remote control has already been enabled.
  - **6** Beeps close together and **6** blinks of the LED indicate that the **4 TX PAR LW** remote controls foreseen are already enabled. No others can be added.
- 3) Once activated the last one, turn ON / OFF the ignition key one time or wait for 30 seconds.

### WARNING:

- With the **TX PAR LW** you can use any one of the **4** keys available and press different keys of the same remote control for the **3 times** requested.
- The **TX PAR LW** that are not used in this operation are disabled; **they can be re-enabled by repeating the operation.**
- The procedure can be cut off only in the initial phase, only if the button of the first remote control has been pressed for maximum 2 times.  
After 30 seconds without doing anything the procedure is quitted.
- Once activated the procedure, it is possible to learn the CHD 400 electronic keys or the TX 4000 LW remote control.

## **ALARM FUNCTIONS**

When the system is activated the alarm is given / signalled by the siren, the direction indicators, the LED and the additional warning horns.

Cycles of about 25 seconds, with cut off by the remote control or the emergency procedure.

### **DOORS, BONNET, BOOT OPENING**

Detected by analogue instantaneous input (LIGHT BLUE wire):

- Instantaneous on the system activation.
- The alarm is not repeated if the door is left open.  
You can set just 3 (max. 10) alarm cycles instead of the 1 standard cycle, with the door open.
- The alarm is repeated only if the door is closed and opened again after the current cycle is terminated.
- Unlimited alarm cycles.

### **DOORS, BONNET, BOOT OPENING AND ADDITIONAL MODULES**

Detected by analogue delayed input (LIGHT BLUE / WHITE wire):

- Delayed by 30 or 50 seconds on activation (standard times), then instantaneous.
- The alarm is not repeated if the door is left open.  
You can set just 3 (max. 10) alarm cycles instead of the 1 standard cycle, with the door open.
- The alarm is repeated only if the door is closed and opened again after the current cycle is terminated.
- Unlimited alarm cycles.

### **DOORS, BONNET, BOOT OPENING**

Detected by means of the original data transmission line of the vehicle: "CAN":

- Instantaneous on the system activation.
- The alarm is not repeated if the door is left open.  
You can set just 3 (max. 10) alarm cycles instead of the 1 standard cycle, with the door open.
- The alarm is repeated only if the door is closed and opened again after the current cycle is terminated.
- Unlimited alarm cycles.

### **IGNITION KEY** (for at least 2 seconds)

- The starting attempt causes an alarm cycle.
- The alarm is not repeated if the key is in the ON position (instrument panel lit).
- The alarm is repeated only if the key is turned back in the OFF position and then let in the ON position for at least 2 seconds.
- Unlimited alarm cycles.

### **OPENING OF DOORS, HATCH DOORS, BONNET OR BOOT**

Detected by wireless sensors of series: MIC LW, MIC MEC LW:

- Instantaneous on the system activation: opening the door, the windows, storage compartment, etc.
- If, when the system is activated, the door, bonnet, windows, storage compartment, etc. is / are already open, the sensor does not send the alarm.  
To activate the alarm it / they must be closed and opened again.
- The alarm cycle is not repeated if the door, the windows, storage compartment, etc. is left open.
- The alarm is repeated only if the door is closed and opened again after the current cycle is terminated.
- Unlimited alarm cycles.

## ULTRASONIC SENSOR

- The alarm cycle is repeated with a break of 5 seconds, if the alarm cause persists continuously.
- The blinding / masking of the sensors, if detected on the system activation, causes some warning signalings (LED, direction indicators, siren), followed by an alarm cycle.
- As long as the system is activated a maximum of 10 alarm cycles is possible from the ULTRASONIC sensor.

## INTRUSION FROM INFRARED SENSOR

Detected by wireless sensors of the series: **SEN INFRA LW, SEN INFRA 360 LW:**

- There must be a lapse of 2 / 3 minutes between 2 subsequent detections, therefore if you get out of the vehicle and the system activates immediately, the sensor will only be operational at the end of the 2 / 3 minutes.
- The alarm is only repeated after the set 2 / 3 minutes if there is another intrusion or if the person in the vehicle makes other movements.
- For the whole time the system is activated, 10 overall alarm cycles at the most are possible among all the wireless sensors: SEN INFRA and MIC LW, MIC MEC LW choked.

**DETECTS SOPORIFIC GAS or LPG:** Detected by wireless sensors: **SEN GAS LW**

- 1 alarm cycle if the ignition key [+15] OFF even if it is de-activated, providing it is not in the OUT OF ORDER status.
- The alarm / warning control is made directly, by the internal buzzer.
- To re-activate it, the module must be switched OFF and ON again using its switch.

### WARNING:

- If an alarm occurs during another one, this last one will be not considered.

## ULTRASONIC SENSOR

The internal microprocessor monitors the vehicle continuously, constantly adapting its working parameters to the environment where it is installed to better understand and identify the real alarms from false signalings. The **ANTI-TAMPERING** (anti-masking and anti-blinding) function constantly controls the efficiency of the sensors and of their wirings, warning in case of any attempts. On its activation it checks its correct working conditions and its own parameters in full, then it start the vehicle surveillance (flashing LED). The anomalies, if any, are signalled by the siren and by the direction indicators flashing for some seconds, followed by an alarm cycle and by 5 BEEPS subsequent to the desactivation of the system.

## ADDITIONAL MODULES

It is possible to integrate the central unit with some optional sensors to signalise, when the system is active, the vehicle lifting, the shock, and all type of intrusion by the infrared or the hyperfrequency (proximity sensor).

This last sensor is particularly indicated for the spider and the coupe vehicles, to protect the cockpit when the windows and / or the roof are open or, combined with the traditional ultrasonic sensor, for big size vehicles or to protect a second space like with vans.

## LOW BATTERY

If the vehicle's battery slowly gets down (due to some lamps or other devices left on), the siren desactivates itself without causing any alarms.

Charge the vehicle battery again following the specific instructions, then desactivate the system by the remote control, the electronic key or the emergency code.

## REDUCTION OF THE CURRENT CONSUMPTION

To reduce at the maximum the current consumptions and protect the vehicle's battery life, the central unit cuts the ultrasonic sensor out and the warning LED after 8 "on duty" days.

## PROGRAMMINGS

It is possible to customize the system using the USER'S programming instructions or by pairing it with the original system using the INSTALLER'S one.

**WARNING:** Acoustic signals are only featured with the sirens **SIR 050** or **SIR 070 LW**.

To enter into the PROGRAMMING mode:

**1** With the doors, bonnet and boot closed, switch the panel key **ON** and **OFF once**, in order to turn on the LED for 2 seconds.

**2** Before the LED is switched off, press its button to:

**11 times** consecutively (**USER'S programming**).

**Confirmation:** The buzzer will emit a brief BEEP whenever pressed, emitting a different tone at the **11th** press, followed by the LED blinking briefly **11 times**, with **11 BEEPS** of the buzzer.

When the LED lit fixed, we are in the programming phase.

**12 times (INSTALLER'S programming).**

- **12 times** consecutively - for pairing with the vehicle - part one.

- **13 times** consecutively - for pairing with the vehicle - part two.

- **14 times** consecutively - for wireless sensors LW.

**Confirmation:** The buzzer will emit a brief BEEP whenever pressed, emitting a different tone at the **11th** or **12th / 13th / 14th** press, followed by the LED blinking briefly **12 / 13 / 14 times**, with **12 / 13 / 14 BEEPS** of the buzzer.

When the LED lit fixed, we are in the programming phase.

### **WARNING:**

- Pressing the LED button only the BEEP of the buzzer confirms the signal has been recognized by the central unit.

- Further confirmation is given by the number of times the LED blinks and the buzzer BEEPS, which is the same as the number of times the button was pressed previously.

- If the LED goes off automatically within 2 or 3 seconds, or you notice brief and close blinking of the LED and buzzer BEEPS, wait 30 seconds and repeat the procedure from point 1.

An unforeseen programming was performed or you have quit a programming sequence.

**3** With the LED lit fixed press its button as many times as the chosen programming (stated in the following tables).

- On every valid pulse the LED switches off temporarily and the buzzer gives 1 BEEP.

**4** At the end of the sequence, the system will signal that it has accepted the programmed settings with by the LED **blinking** and the buzzer **BEEPING** by the number of times the button was pressed; followed by a two-tone signal, a few LED flashes and BEEPS of the buzzer, will follow and then the LED will again be on steady.

- If the LED switches off autonomously within 2 / 3 seconds or short BEEPS and very quick flashings of the LED indicate a denial: the made programming does not exist.

Wait for 30 seconds and repeat the procedure again from point 1.

**5** Terminate the procedure turning the ignition key **ON / OFF** one time.

### **WARNING:**

• The procedure can be started only if the system is deactivated.

• Once entered into the programming mode it is possible to set up in succession more functions belonging to the same category.

• The completed and confirmed programmings remain active also when the central unit is not feed.

• By a personal PC (or laptop) paired to a programming kit, **KIT SK PLUS** the installer can choose and carry out in a simple and quick way the programmings stated in the table. Use the **SOFTWARE MED PLUS 1.1.7** version. You can also check programmed settings, enter other settings reserved to the PC, update the control unit operation program.

He can also program the central unit with the suitable interface program.

## USER'S PROGRAMS

(11 TIMES)

<b>DIRECTION INDICATORS'S FLASHING ACTIVATION / DESACTIVATION</b>	
<b>3</b>	Activation / Cutting out - standard setting
<b>ACOUSTIC SIGNALINGS ACTIVATION / DESACTIVATION</b>	
<b>4</b>	Cutting out / Activation - standard setting
<b>OUT OF ORDER</b>	
<b>5</b>	Out of order / On duty - standard setting
<b>ALARM CYCLES NUMBER FROM BUTTONS INPUTS</b>	
<b>6</b>	3 alarm cycles / 1 alarm cycle - standard setting
<b>CAN BUTTONS INPUT CUT OFF / ACTIVATION</b>	
<b>7</b>	Cutting out / Activation - standard setting
<b>INSTANTANEOUS BUTTON INPUTS CUT OFF / ACTIVATION</b>	
<b>8</b>	Cutting out / Activation - standard setting

**The central unit works even without the a.m. programmings.**

### **DIRECTION INDICATORS FLASHING ON THE SYSTEM ACTIVATION / DESACTIVATION**

If the opening / closing doors are not signalled by the direction indicators, quite often it's possible to activate this function by the control unit.

### **ACOUSTIC SIGNALINGS ON ACTIVATION / DESACTIVATION**

It is possible to cut them out by using the programming keeping the service signalings working (for example the alarm memory, **only with SIR 050 or SIR 070.LW**).

### **OUT OF ORDER OF THE SYSTEM**

Suggested in case the vehicle has to stay in the repair shop, garage, or when the vehicle does not need to be protected.

When OUT OF ORDER, the system cannot be activated and any attempt gives 5 BEEPS and 5 LED flashings. It cuts out all the central unit functions.

Repeat the programming to activate the system completely again.

### **CYCLES NUMBER FROM THE BUTTONS INPUTS**

It allows 3 alarm cycles of the buttons and of the additional modules (instead of a single cycle) throughout the alarm condition and every time the alarm condition occurs.

Select number of the cycles from 1 to 9 only with PC.

See ALARM FUNCTIONS.

### **BUTTONS INPUT DESACTIVATING**

It is used to disable the detection function of the door, bonnet, boot buttons and supplementary modules separately for the analogue input Light Blue wire or the other analogue input Light Blue/White wires or detected by the CAN line, leaving the other protection systems activated: other analogue input, CAN line, starting, volumetric radar sensor, wireless sensors.

### **WARNING:**

**Use the procedure just in case of a button or sensors failure when the car is by a repair shop.**

# INSTALLER SECTION

## PAIRING WITH THE VEHICLE AND WITH THE INSTALLED ACCESSORIES

**WARNING:** Every change in these parameters can  
Compromise the correct working of the system

### PROGRAMMINGS FOR THE INSTALLER - PART ONE

**(12 TIMES)**

<b>DIRECTION INDICATORS'S FLASHING ACTIVATION / DESACTIVATION</b>	
<b>3</b>	Activation / <b>Cutting out</b> - standard setting
<b>DIRECTION INDICATORS CONTROL</b>	
<b>4</b>	With 2 wires by relays separated channels (right / left side separated) - "USUAL CONNECTION"
<b>5</b>	Single negative control with <b>starting and final blinking IMPULSE</b> - standard setting
<b>6</b>	Single negative CONTINUOUS control
<b>ALARM ACTIVATION ON DOORS CLOSING</b>	
<b>7</b>	Activation / <b>Cutting out</b> - standard setting
<b>PRE-ALARM</b>	
<b>8</b>	Activation / <b>Cutting out</b> - standard setting
<b>ALARM OUTPUT</b> (BROWN wire - OUT 3)	
<b>9</b>	Intermittent / <b>Fixed</b> - standard setting
<b>DELAYED TIME ON ACTIVATION BUTTONS</b> (Light BLUE/WHITE wire - IN 1)	
<b>10</b>	Istantaneous (0 second)
<b>11</b>	<b>30 seconds</b> - standard setting
<b>12</b>	50 seconds
<b>FIXED / TIMED STATUS SIGNAL</b> (GREY wire - OUT 4)	
<b>13</b>	Timed (10 seconds standard, cutting out) / <b>Fixed</b> - standard setting
<b>FIXED / ADDITIONAL MODULES CUTTING OUT</b> (GREY wire - OUT 4)	
<b>14</b>	Cutting out (along with the temporary cutout of the radar sensor - only with status signal FIXED ) / <b>Fixed</b> - standard setting
<b>TIME OF THE STATUS SIGNAL</b> (IF TIMED - GREY wire - OUT 4)	
<b>15</b>	<b>10 seconds, cutting out</b> - standard setting
<b>16</b>	30 seconds, cutting out
<b>17</b>	50 seconds, cutting out
<b>ANTI-TAMPERING OF THE ULTRASONIC SENSOR</b>	
<b>18</b>	Cutting out / <b>Activation</b> - standard setting
<b>ULTRASONIC SENSOR</b>	
<b>19</b>	Cutting out / <b>Activation</b> - standard setting
<b>ULTRASONIC SENSOR SENSITIVITY</b>	
<b>20</b>	Low
<b>21</b>	<b>Medium</b> - standard setting
<b>22</b>	High
<b>READ [+15] BY CAN LINE</b> (only preset vehicles)	
<b>23</b>	Cutting out / <b>Activation</b> - standard setting
<b>SUPPRESSOR ON BUTTONS INPUT DELAYED</b> (Light BLUE/WHITE wire - IN 1)	
<b>24</b>	Long / <b>Short</b> - standard setting
<b>RESET OF THE INITIAL CONDITIONS PROGRAMMED AT DEFAULT</b>	
<b>30</b>	Standard values setting

The central unit works even without the a.m. programmings.

## **DIRECTION INDICATORS FLASHING ON THE SYSTEM ACTIVATION / DESACTIVATION**

The control unit can pilot the direction indicators both during an alarm and when switching the system on / off, if the vehicle does not already feature its own door opening / closing signals, or if the remote controls and the electronic keys CHD 400 are used in different modes, depending on the original equipment.

Also refer to the assembly instructions and as "user programming".

## **ALARM ACTIVATION ON DOORS CLOSING**

It's possible to be activated only with the instantaneous buttons input (Light BLUE wire - IN2) or with the buttons detected by the original data transmission "CAN" (also refer to the assembly instructions).

By pressing the locking button of the original remote control with an open door, the system signals the denial on activation giving 3 BEEPS and 3 LED flashings followed by a continuous hiss from the buzzer.

Only the door closing stops the signal and activates the alarm system, even if the door is not locked.

On some vehicles with separate button for opening the boot allows you to manage the system's automatic re-closing of the boot.

Without this feature, after the closing of the door you have to repeat the input of the system.

## **PRE-ALARM**

Needed to avoid short unwanted alarms with vehicles where the alarm system deactivation in security requires some seconds, to complete all the necessary checks. When activating this function, all the intrusion as well as doors, bonnet and boot opening alarms are preceded by a hiss from the buzzer. If the system is not correctly deactivated within 5 / 8 seconds, the normal alarm signaling is activated.

## **ALARM OUTPUT (BROWN wire - OUT 3)**

It has to be kept fix in case of an electronic siren or if it's paired to the satellite protection, otherwise intermittent only if it's used to control the vehicle klaxon.

## **INSTANTANEOUS / DELAIED BUTTONS INPUT (Light BLUE/WHITE wire - IN 1)**

On the system activation the input can be instantaneous or delayed (**30** or **50 seconds** then it becomes instantaneous). Standard times, vary more widely from PC.

It must be delayed when the signal is taken by the delayed switching off internal roof lamp or if are used the additional modules (anti lifting, high frequency, etc).

The set up depends on the vehicle model and on the paired accessories.

## **FIXED / CUTTING OUT / TIMED STATUS SIGNAL OUTPUT (GREY wire - OUT 4)**

- **FIXED:** To enable a sensor which is always active with the system engaged.
- **CUTTING OUT:** To not enable an additional sensor if the windows are opened or there is person or animal on board.
- **TIMED:** With vehicles having a "comfort" equipment (simultaneous windows closing by turning the original key in the door lock block), it is possible "to automate" the windows closing on the system activation using the status output as timed, according to the vehicle's features.

If the output is set to CUTTING OUT or TIMED, by engaging the system with the temporary cutout of the radar sensor and the additional modules, the output will not be available.

## **NOT ENABLED RECOGNITION [+15] BY CAN**

Avoids reading of [+15] ON (panel key signal on, engine running) by the original "CAN" line of the vehicle. The analogical line will be permanently ON (ORANGE wire).

## **SUPPRESSOR ON BUTTONS INPUT DELAYED** (Light BLUE/WHITE wire - IN 1)

The long filter is used only on vehicles without CAN line, and send them to your ceiling a short negative pulse several minutes after the close of the vehicle (eg, some cars FIAT - LANCIA can send it after 20 / 40 minutes). Only for Light BLUE/WHITE wire .

## **RESETTING OF THE INITIAL CONDITIONS PROGRAMMED AT DEFAULT**

It allows to restore the original condition of the central unit, resetting all the default programmings, keeping active med sensors, remote controls and keys combined.

### **PROGRAMMINGS FOR THE INSTALLER - PART TWO (13 TIMES)**

<b>CENTRAL DOORS LOCKING / NEGATIVE OUTPUT POSSIBLE TO BE CUT OUT</b> (GREY/BLACK wire - OUT 1)	
<b>4</b>	Negative output possible to be cut out / <b>Central doors locking - standard setting</b>
<b>SETTING OF THE DOORS LOCKING/UNLOCKING TIME</b>	
<b>5</b>	<b>0,8 seconds locking / unlocking - standard setting</b>
<b>6</b>	3 seconds locking / unlocking
<b>7</b>	<b>10</b> seconds locking / 0,8 seconds at unlocking
<b>8</b>	30 seconds locking / 0,8 seconds at unlocking
<b>DOORS LOCKING ACTIVATION / TIMED STATUS</b> (GREY wire - OUT 4)	
<b>9</b>	Simultaneous / <b>Delayed - standard setting</b>
<b>DOUBLE CONTROL FOR DOORS LOCKING</b> (GREY/BLACK wire - OUT 1)	
<b>10</b>	Activation / <b>Cutting out - standard setting</b>
<b>AUTOMATIC ACTIVATION OF THE ENGINE LOCK</b>	
<b>15</b>	Activation / <b>Cutting out - standard setting</b>
<b>WAY TO ACTIVATE THE AUTOMATIC ENGINE LOCK</b>	
<b>16</b>	Immediate / <b>Delayed to 5 minutes - standard setting</b>
<b>STARTING ENGINE EXCLUSIVELY USING THE CHD 400 ELECTRONIC KEY</b>	
<b>17</b>	Activation / <b>Cutting out - standard setting</b>
<b>MED 30.x DIGITAL IMMOBILIZER</b> (on MUX line - PURPLE wire)	
<b>25</b>	Replacement of the alarm central unit paired with the immobilizer of the <b>MED 30</b> series

**The central unit works even without the a.m. programmings.**

## **CENTRAL DOORS LOCKING / NEGATIVE OUTPUT POSSIBLE TO BE CUT OUT**

(GREY/BLACK wire - OUT 1)

If they are used med remotes control, the central can often drive the door opening / closing (either directly or via the additional module **KIT AP / CH** cod. **674980000** - vehicles designed), otherwise the output can drive additional modules can be disabled with the radar sensor .

## **DOORS LOCKING / UNLOCKING TIME - COMFORT**

The standard preset times to locking / unlocking doors are **0,8 seconds**.

With vehicles having a "comfort" equipment (simultaneous windows closing by turning the original key in the door lock block), it is possible "to automate" the windows closing on the system activation delaying the doors locking time or using the status output as timed, according to the vehicle's features.

If necessary, it is possible to let the controls of the doors locking and of the windows closing be simultaneous, and to preset the opening / closing times at 3 seconds (for example, vehicles equipped with pneumatic system like MERCEDES W 124 - W 129 series).

With vehicles equipped with security lock activated by the **double control** on the doors locking wire, this function can generally be activated.

## AUTOMATIC ACTIVATION OF THE ENGINE LOCK

The **ECE / ONU Regulation no. 97** states that the immobilizers have to get ON automatically even if the system is not activated by the remote control or the electronic key.

The automatic activation can be:

- **Immediate on a door opening**, if it follows the turning off of the ignition key, or with a 1 minute delay if there is already an open door (please note that some vehicles consider the door “open” till the “locking” of its door lock block).  
3 short signals of the buzzer, 3 flashings of the LED indicate the activation of the engine lock.
- Trying a starting **[+15] ON**, the engine does not work, the direction indicators and the LED is lit fixed.
- Trying a starting **[+15] ON** again, the engine does not work, flashings the direction indicators. 1 alarm cycle if the key is in the **ON** position **[+15] ON** for at least 2 seconds;  
Block the alarm cycle turning **[+15] OFF** the ignition key.

Desactivate the system using the remote control the electronic key or the emergency code.

- **With a 5 minute delay** from the engine stop (ignition key **OFF**):  
3 short signals of the buzzer, 3 flashings of the LED indicate the activation of the engine lock.
- A door opening makes 3 short signals of the buzzer, 3 flashings of the LED (maximum 5 times consecutively).
- Trying a starting **[+15] ON**, the engine does not work, the direction indicators and the LED is lit fixed.
- Trying a starting **[+15] ON** again, the engine does not work, flashings the direction indicators. 1 alarm cycle if the key is in the **ON** position **[+15] ON** for at least 2 seconds.  
Block the alarm cycle turning **[+15] OFF** the ignition key.

Desactivate the system using the remote control the electronic key or the emergency code.

**WARNING:** Whit the automatic engine loock activation:

- If you have not made an attempt to start, generally the use of the remote control activates the system in a comprehensive manner. Verify that the system is actually inserted.
- If you have made an attempt to start:
  - the use of med TX 4000 LW or TX PAR LW can turn off the system normally.
  - with the original remote control operation depends on the vehicle; generally need to close and open again the doors, turn off the system and start the engine.

## STARTING ENGINE EXCLUSIVELY USING THE CHD 400 ELECTRONIC KEY

Is possible to differentiate the system is disarmed, or let the original or the med remote control open the doors and turn off the alarm, but does not turn the engine-block.

- Attempting to start the engine, does not start and the alarm (siren) sounds continuously.
- Repeating the start **[+15] ON**, the engine will not start and flashing arrows; when the ignition is turned on, the alarm is activated 1 cycle, which is interrupted by turning off the ignition key **[+15] OFF**.

Desactivate the system using the electronic key or the emergency code, and start engine.

## DIGITAL IMMOBILIZER - CENTRAL UNIT REPLACEMENT (discontinued)

The installation or the replacement of the immobilizers on the MUX line (for example, **MED 30.x** series) don't need any pairing with the central unit. Also the replacement of the central unit made within the first 20 startings doesn't require any specific operation.

But after **21 startings** **[+15] ON / OFF** with the same central unit, the engine lock accepts only that code (different for each central unit) of the central unit.

To keep the same immobilizer replacing only the central unit it is necessary:

- 1 To have the MAIN or PERSONAL emergency code of the old alarm central unit installed.
- 2 To install the new alarm central unit, with “MUX” exit.
- 3 To enter into the installer programming “alarm central unit replacement”: (13 + 25), pag. 13.  
After 10 seconds of quick LED flashings and BEEPS from the buzzer, the LED flashes slowly:  
14 skip to point 4.

- 4 Turn [+15] ON / OFF the ignition key one time. With the LED lit fixed, enter the MAIN code of the OLD central unit. At the end the LED is lit fixed.
- 5 Disconnect the feeding of the central unit for at least 1 minute.
- 6 Feed the system (acousting confirmation, followed by a system desactivation signalling); then test the equipment.
  - If the engine doesn't start or it stops after a few seconds, repeat the procedure from point n.3.
  - If the engine stays regularly ON, the procedure has been followed correctly and the immobilizer, after 20 startings made with the same new central unit, will be paired with it definitively.

## **WIRELESS SENSORS PROGRAMMINGS (14 TIMES)**

<b>SIR 070 LW - WIRELESS SIREN</b> <b>3 Activation / Cutting out - standard setting</b>
<b>PAIRING WIRELESS SENSORS:</b> <b>MIC LW, MIC MEC LW, SEN INFRA LW, SEN GAS LW, SIR 070 LW</b> <b>5</b> It adds new sensors.
<b>FORCED PAIRING OF CHOKED WIRELESS SENSORS</b> <b>7</b> It adds new sensors of series <b>MIC LW</b> and <b>MIC MEC LW</b> as <b>choked</b> sensors.
<b>TESTING WIRELESS SENSORS MIC LW, MIC MEC LW, SEN INFRA LW, SEN GAS LW</b> <b>12</b> It activates the operational test for all the sensors of series.
<b>ELIMINATING LW WIRELESS SENSORS</b> <b>20</b> It deletes all the paired sensors of series: <b>MIC LW, MIC MEC LW, SEN INFRA LW, SEN GAS LW</b>
<b>ELIMINATING ALL LW WIRELESS: SENSORS AND MODULES</b> <b>30</b> It deletes all the paired sensors of series: <b>MIC LW, MIC MEC LW, SEN INFRA LW, SEN GAS LW, SIR 070.LW SIREN, TX LW</b> and <b>TX PAR LW REMOTE CONTROL</b>

**The wireless sensors and the remote controls supplied in the pack are already paired with their control unit.**

### **SIR 070 LW - WIRELESS SIREN**

The siren supplied in the pack is ready to use. If supplied separately, or only for replacing, to be able to match the alarm unit must first be activated via PC or by manually programming (button of the LED pressed **14 + 3 times**). When this is finished, programme as follows.

### **PAIRING WIRELESS SENSORS:**

**MIC LW, MIC MEC LW, SEN INFRA LW, SEN GAS LW** and **SIR 070 LW**

The procedure is used to manage the wireless sensors of series MIC LW and MIC MEC LW, which are always enabled when the system is activated, up to a maximum number of :

- **30** MIC LW and MIC MEC LW standard (always activated whit the system is activation);
- **10** MIC LW, MIC MEC LW as choked sensors, with 2 SEN INFRA LW infrared sensors;
- **3** SEN GAS LW gas sensors;
- **1** SIR 070 LW electronic siren.

You are recommended to carry out the procedure on a workbench, or in any event near the alarm control unit before fitting the sensors on the vehicle, making sure to install the power supply batteries in them beforehand.

The central unit is powered, the **LED / BUTTON** and the siren must be connected and activated.



**The battery-holder supports can only be fitted in the MIC LW and MIC MEC LW if they are already complete with the battery CR 2032, otherwise it will be impossible to take them out again.**

1) Once in programming mode (button of the LED pressed **14 + 5 times**) according to the procedure just described, which is confirmed by the signals indicated, the LED is now lit steady.

2) You can now add new sensors as follows:

**MIC LW** = Rest the magnet for **2 seconds** and move it away from the arrow over the MED mark, until confirmation is given **3 times** consecutively.

**MIC MEC LW** = Press the built-in button of the sensor for **2 seconds** and release it, until confirmation is given **3 times** consecutively.

**SEN INFRA LW** = The infrared sensors are supplied in TEST mode, therefore after pairing them and testing them on the vehicle, they have to be set in standard service mode, following the instructions below.

Pass in front of the sensor until its LED switches on and the control unit provides confirmation **3 times** consecutively, or simply open and close the casing, again **3 times** consecutively (the anti-sabotage button trips).

**SEN GAS LW** = Press the push button behind the **SEN GAS LW** sensor **3 times** consecutively (hold down for **2 seconds** and release for 2 seconds).

Each time it is earthed the buzzer inside the sensor emits 1 sound. At the end, isolate the WHITE wire if not used or connect it to the actuator wanted.

**SIR 070 LW** = Press the button of the bonnet connected to SIR 070.LW **3 times** consecutively (2 seconds pressed, 2 seconds released) or connect the BLUE/WHITE wire of the siren to ground **3 times** consecutively (2 seconds connected, 2 seconds disconnected).

#### Confirmation:

- **2 Beeps** close together and **2 blinks** of the LED confirm that the sensor has been stored.
- **4 Beeps** close together and **4 blinks** of the LED indicate that this sensor has already been enabled.
- **6 Beeps** close together and **6 blinks** of the LED when all sensors envisaged have already been enabled.

To add others, delete those already paired via the specific program and teach-in just those really in use again.

3) End the procedure, switch the ignition key **[+15] ON** and **OFF** once.

#### WARNING:

- Perform the teach-in procedure slowly and always make sure the confirmation signals are given:
  - **1 Beep**, LED **OFF** and **ON** after each transmission;
  - **2, 4 or 6 Beeps** and **blinks** of the LED after the **3** sequential transmissions for each sensor. Without the final indication (2, 4 and 6 beeps), after 5 seconds, repeat the saving procedure again.
- Once in programming mode, or between the pairing procedures of 2 different sensors, no more than **2 minutes** must lapse, otherwise exit and access the procedure again to complete the pairing procedure.
- The paired sensors remain stored even if the control unit is not powered until they are deleted via the specific program.
- The infrared sensors are recognised by the system and are always managed as choked sensors.
- The gas sensors are managed as always active, also when the system is not armed (engine switched off).
- Only one **SIR 070 LW** can be paired to the system. If a second one is paired it excludes the first.
- For programming and self-learning of the LW sensors is good that there is a SIR 050 or SIR 070 LW already matched, otherwise we will not have the beeps for confirmation; LED / button must therefore always be fully depressed briefly, checking the indications in the LED / button.

## FORCED PAIRING OF WIRELESS SENSORS AS CHOKED

The procedure is used to manage a part of the sensors of series MIC LW and MIC MEC LW as choked, or rather that can be excluded together with the radar and infrared sensors, up to a maximum of 10, including infrared sensors of series SEN INFRA LW.

Following the instructions, the procedures and the warnings given for the teach-in function of the wireless sensors explained earlier, with the only difference being that of accessing the programming function by pressing the button of LED **14 + 7** times to force them as “choked”.

### WARNING:



- If the same sensor MIC LW or MIC MEC LW is enabled as both standard and choked, the control unit will consider it to be “choked”.
- When a sensor MIC LW or MIC MEC LW is saved as choked, if you want to reset it as a standard sensor, you have to delete all of them and teach them in again.

## TESTING WIRELESS SENSORS

The procedure is used to quickly test the correct transmission of the wireless sensors, to check which group they belong to and which of them sent the last alarm signal.

- 1) Program by pressing the button of the LED **14 + 12** times.
- 2) After the confirmation signal is given, while the LED is lit steady, activate all the sensors to be tested individually; for each activation, the buzzer and the LED will provide the following indications:
  - 1** Beep and **1** blink = standard wireless sensor;
  - 2** Beeps and **2** blinks close together = choked wireless sensor and SEN INFRA LW;
  - 5** Beeps and **5** blinks close together = wireless sensor that sent the last alarm.
- 3) Turn the ignition key [**+15**] **ON** and **OFF** once to end the TEST.

### WARNING:

- The test can be carried out as many times as you like.
- During the test phase, you can interrogate the same sensor a number of times; the indication does not change.
- If you exit test mode or the power supply is disconnected from the control unit, the indication of the last wireless sensor that sent the alarm is deleted.
- The indication of the last wireless sensor that generated the alarm is not affected by other alarm causes: ignition key, radar sensor, buttons of doors detected by the light blue/white wire or by the CAN line, therefore the last alarm encountered may not depend on these sensors.
- During the test phase, if nothing is done for 3 / 4 minutes, the test exits automatically.  
Turn the ignition key [**+15**] **ON** and **OFF** once all the same.

## DELETING ONLY LW WIRELESS SENSORS

It deletes the paired sensors of series: **MIC LW, MIC MEC LW, SEN INFRA LW, SEN GAS LW.**

- 1) Program by pressing the button of the LED **14 + 20** times.
- 2) After the confirmation signal is given, when the LED is lit steady, turn the ignition key [**+15**] **ON** and **OFF** once.

The LW wireless sensors are now deleted.

The SIR 070 LW siren, the TX 4000 LW and TX PAR LW remote control, if present, is active.



**WARNING: Repeat the pairing procedure for all the sensors in use.**



## DELETING ALL LW WIRELESS SENSORS:

**SIR 070 LW SIREN, TX LW and TX PAR LW REMOTE CONTROL**

It deletes all the paired sensors of series:

**MIC LW, MIC MEC LW, SEN INFRA LW, SEN GAS LW,**  
and the **SIR 070 LW SIREN, TX LW and TX PAR LW REMOTE CONTROL**

- 1) Program by pressing the button of the LED **14 + 30 times**.
- 2) After the confirmation signal is given, when the LED is lit steady, turn the ignition key **[+15] ON and OFF** once.

The LW wireless sensors and SIR 070 LW, TX LW / TX PAR LW are now deleted.



**WARNING: Repeat the pairing procedure for all the sensors in use, the SIR 070 LW TX 4000 LW / TX PAR LW, with your specific programming.**



**MAINTENANCE** The central unit does not need any maintenance.

The sensors MIC LW, MIC MEC LW and infrared sensors have to be installed inside the vehicle, protected against the infiltration of liquids and condensate and away from heat sources.

The lens in white plastic material of the infrared sensors, must not be knocked.

The sensors can be cleaned using a dry cloth. Do not use solvents or paint thinners

The sensors MIC LW, MIC MEC LW, SEN INFRA LW, SEN INFRA 360 LW and the TX PAR LW have an indicator LED to check the efficiency of the internal battery.

When the battery runs low, it can be replaced with the following types of batteries:

- MIC LW, MIC MEC LW and TX PAR LW **3V lithium** batteries, type **CR 2032**
- SEN INFRA LW and SEN INFRA 360 LW **3V lithium** batteries, type **CR 123 A**



When replacing the battery, do not touch the circuit or the battery with wet hands.

Do not attempt to charge dead batteries. Do not throw on the fire. Do not swallow.

Dead batteries, like the TX 4000 LW that are sealed, to be disposed of in dedicated waste battery containers according to laws currently in force in the individual countries.

Strictly keep the sensors and the batteries out of children's reach.

### WARNING:



- The **BATTERY HOLDER** can only be fitted in the MIC LW or MIC MEC LW with the battery CR 2032 actually inserted, otherwise it will be impossible to take it out again.

- When washing the engine, protect the electronic siren adequately.

## DISCHARGED BATTERY SIGNALIZINGS FROM:

**MIC LW, MIC MEC LW, TX PAR LW, SEN INFRA LW**

**TX PAR LW** pressing one of the four buttons of the remote control:

- **1 LED blinking** = internal battery working;
- **2 closed LED blinking** = the battery is quite low: replace it as soon as possible.

**MIC LW** and **MIC MEC LW** opening the window, the door or the hatch doors:

- **1 LED blinking** = internal battery working;
- **2 closed LED blinking** = the battery is quite low : replace it as soon as possible.

**SEN INFRA LW / SEN INFRA 360 LW** passing the sensor after at least two minutes that none passed (with the LED active; if it is deactivated the only possible test is to trigger the alarm):

- **LED blinking** = internal battery working;
- **Any blinking** = low battery: replace it.

### WARNING:

- The high / low temperature, humidity or the sporadic use can interfere with the correct low battery signaling.

# WARRANTY CONDITIONS

The technical warranty has a duration of 24 months from the date of installation, ex-works, and covers those parts considered as defective only by Landi Renzo S.p.A.

Any other external labor or extra costs are excluded.

# HOMOLOGATIONS

The **MED 11.5** central unit is type-approved as an ALARM system according to **Regulation ECE / ONU no. R 97** with the number: **(E3) 97R A - 01 6002**

The **ECE / ONU Regulation no. 97**, referring to functioning and safety of alarm systems is equivalent to the European Directive 95/56/EC and is also recognised in non EEC countries such as, for example, Russia, Japan, etc.

This regulation includes immunity to interference tests and the EMC tests in accordance with the **ECE / ONU Regulation no. 10**.

The **MED 11.5** central unit is type-approved as an ALARM system according to **Regulation ECE / ONU no. R 10** with the number: **(E3) 10R - 04 6459**

Type approval also includes the **TX 4000 LW** and **TX PAR LW** remote control, the **CHD 400** electronic keythe wireless sensors of series **MIC LW**, **MIC MEC LW**, **SEN INFRA LW** and **SEN INFRA 360 LW**.

The electronics siren **SIR 050** and the wireless siren **SIR 070.LW** are type-approved concerning the electromagnetic compatibility (interferences and noises) according to **Regulation ECE / ONU no. R 10**, and is also recognised in non EEC countries such as, for example, Russia, Japan, etc. with the number: **(E3) 10R - 03 6414**

## WARNING:

The **MED 11.5** central units are projected and set according to the product technical brochure specifications indicated in the compliance statement and in the working instructions.

Any product tampering or any changement in the a.m. features as well as any intervention in the working way or in the connection done without complying with the installing instructions can modify these conditions according which the product is homologated to, which can have consequences on the further product selling.

## DECLARATION OF CONFORMITY



Standard of reference ISO/IEC Guide 22 and EN 45014

Number of conformity: **010-2013/E**

Name of the manufacturer: **A.E.B. S.p.A, antitheft division**  
 Address: **via dell'Industria, 20**  
**Corte Tegge**  
**42025 Cavriago (RE) Italy**

HEREBY STATES THAT THE ELECTRONIC UNIT

Name of the product: Alarm system **MED 11.X**

IS IN COMPLIANCE WITH THE FOLLOWING PRODUCT SPECIFICATIONS:

FIELD	Directive	Requirements	Standards applied	References	Test Result
R&TTE	99/5/CE	Human exposure to electromagnetic fields (art. 3.1a):	EN 62479:2010	Official Journal of the European Union L 91 del 7/4/1999	applied
		Safety (art. 3.1a):	Test rilevanti menzionati nel Regolamento ECE R97 Rev.1 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + AC:2011		applied
		EMC (art. 3.1b):	Regolamento ECE R97, Allegato IX		applied
		Radio spectrum (art. 3.2)	EN 301 489-1 V1.9.2 EN 301 489-3 V1.4.1 EN 300 220-1 V2.4.1 EN 300 220-2 V2.4.1 EN 300 328 V1.7.1 (2006-10)		applied

THEREFORE IT IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE CE MARKING

The equipment was checked in a typical working configuration

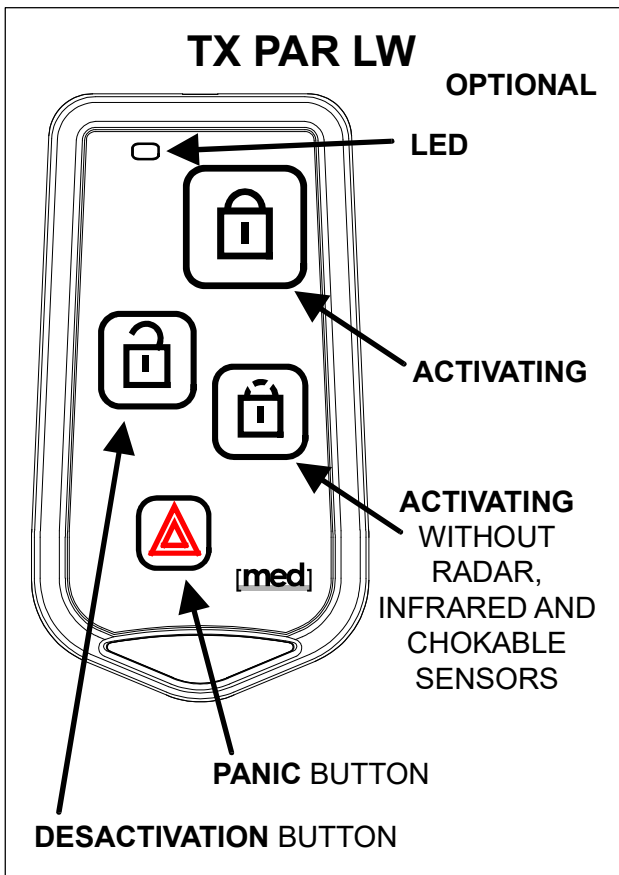
THE PRODUCT IS MARKED WITH CE MARK AND NOTIFIED NUMBER ACCORDING TO THE DIRECTIVE 1999/5/CE



Place of issue: **Cavriago (RE) Italy**

Date of issue: **02/12/2013**

CEO of **A.E.B. S.p.A.**  
**Fiaccadori Antonia**



**TX 4000 LW**  
OPTIONAL

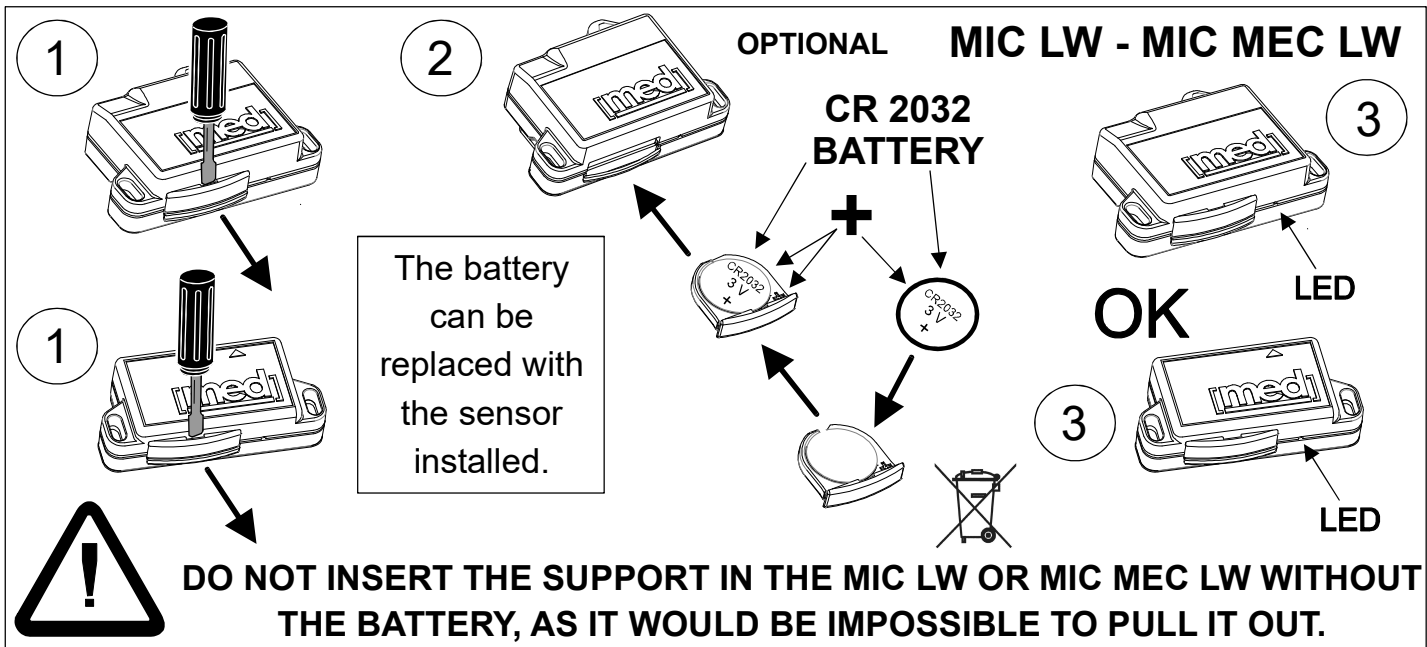
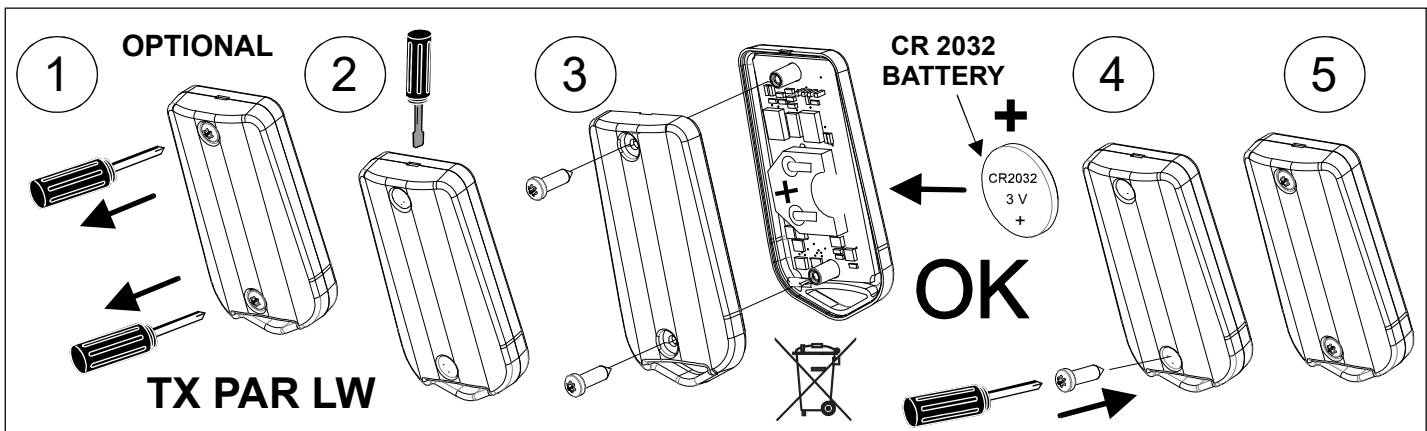
**COMPLETE ACTIVATING** of the system  
Press the button **once** the button of the remote control.

**DESACTIVATION**  
Press the button **once** or **2 times** in fast sequence (only for those cars where the double manual control opens the driver's door first, and then the passengers' ones).

**ACTIVATING WITHOUT RADAR, INFRARED AND CHOKABLE SENSORS**  
Press in quick succession the button **twice**.



**BATTERY REPLACED**



## TECHNICAL FEATURES

### MED 11.5 LW central unit

Feeding voltage:	<b>12 Vdc</b> (nominal) 8 / 16 Vdc
Current absorption: (average values)	<b>&lt; 12 mA</b> (activated system, first 8 days) <b>&lt; 10 mA</b> (following days) <b>&lt; 10 mA</b> (at rest)
Place:	<b>cockpit</b>
Temperature range:	from <b>-40 °C</b> to <b>+85 °C</b>
Protection:	<b>IP 40</b> (IEC 529 1989) DIN 40050 EN 60529
Direction indicators output with relay on 2 wires:	<b>10 A + 10 A</b>
Direction indicators output on a single wire:	<b>negative</b> impulse - <b>0,7 A</b>
Relay for electrical cut off:	<b>10 A</b> continuously - <b>30 A</b> for <b>30 seconds</b>
Timed / excludable / fixed status output:	<b>0.7 A</b>
Additional alarm output:	<b>0.7 A</b>
Doors closing / exit possible to be cut out output:	<b>negative, 0.7 A</b>
Doors opening output:	<b>negative, 0.5 A</b>
Dimensions:	<b>98 x 71 x 30 mm</b>

**CHD 400 KEYS** (optional) - It is possible to use up to 4 pieces simultaneously.

Life:	<b>unlimited</b>
Temperature range:	from <b>-40 °C</b> to <b>+85 °C</b>
Protection:	<b>IP 40</b> (IEC 529 1989) DIN 40050 EN 60529
Rolling-Code combinations:	more than <b>18 billions of billions</b>

**SIR 050 siren** (optional) - (self-powered siren with buzzer inside)

Feeding voltage:	<b>12 Vdc</b> (nominal) - 8 / 16 Vdc
Current absorption:	<b>1 mA</b> at rest - <b>1 mA</b> (activated system) (average values)
Temperature range:	from <b>-40 °C</b> to <b>+85 °C</b>
Protection:	<b>IP 67</b> (IEC 529 1989) DIN 40050 EN 60529

**SIR 070.LW siren** (optional) - (self-powered wireless siren with buzzer inside)

Feeding voltage:	<b>12 Vdc</b> (nominal) - 8 / 16 Vdc
Current absorption:	<b>2 mA</b> at rest - in alarm: <b>180 mA</b> (average) <b>400 mA</b> (maximum)
Temperature range:	from <b>-40 °C</b> to <b>+85 °C</b>
Protection:	<b>IP 67</b> (IEC 529 1989) DIN 40050 EN 60529

**TX 4000 LW remote control** (optional) - It is possible to use up to 4 pieces simultaneously.

Temperature range:	from <b>-20 °C</b> to <b>+85 °C</b>
Protection:	<b>IP 67</b> (IEC 529 1989) - DIN 40050 - EN 60529
Rolling-Code combinations:	more than <b>18 billions of billions</b>
Dimensions:	<b>50 x 30 x 10 mm</b>

**TX PAR LW remote control** (optional) - It is possible to use up to 4 pieces simultaneously.

Lithium battery / life:	<b>CR 2032 - 3 Volt</b> / about <b>2 years</b>
Temperature range:	from <b>-20 °C</b> to <b>+85 °C</b>
Protection:	<b>IP 54</b> (IEC 529 1989) - DIN 40050 - EN 60529
Rolling-Code combinations:	more than <b>18 billions of billions</b>
Dimensions:	<b>70 x 39 x 14 mm</b>

**MIC LW - MIC MEC LW** (optional) - (max. n. **30 + 10** choked sensors)

Lithium battery / life:	<b>CR 2032 - 3 Volt</b> / about <b>1 year</b>
Temperature range:	from <b>-20 °C</b> to <b>+85 °C</b>
Place / Protection:	<b>cockpit / IP 40</b> (IEC 529 1989) - DIN 40050 - EN 60529
Rolling-Code combinations:	more than <b>18 billions of billions</b>
Dimensions:	<b>60 x 30 x 16 mm</b> (MIC LW) - <b>60 x 44 x 18 mm</b> (MIC MEC LW)

**SEN INFRA LW - SEN INFRA 360 LW** (optional) - It is possible to use up to 2 pieces simultaneously.

Temperature range:	from <b>-20 °C</b> to <b>+50 °C</b>
Lithium battery / life:	<b>CR 123A - 3 Volt - 1300 mAh</b> / about <b>1 year</b>
Place / Protection:	<b>cockpit / IP 40</b> (IEC 529 1989) - DIN 40050 - EN 60529
Rolling-Code combinations:	more than <b>18 billions of billions</b>
Dimensions:	<b>115 x 62 x 50 mm</b> (INFRA) - <b>120 x 120 x 40 mm</b> (INFRA 360)

**SEN GAS LW - 2022 version** (optional) - It is possible to use up to 3 pieces simultaneously.

Feeding voltage:	<b>12 V</b> (nominal)
Current absorption:	<b>50 mA</b> (at rest) - <b>55 mA</b> (in alarm)
Alarm output:	<b>positive</b> , max <b>250 mA</b>
Temperature range / Humidity:	from <b>0° C</b> to <b>+40° C</b> / from <b>0</b> to <b>90 %</b>
Operation threshold:	<b>&lt;10 % sensitivity level. Reference EN50194-1 / EN50194-2</b>
Heating time:	<b>60 sec.</b>
Place / Protection:	<b>cockpit / IP 40</b> (IEC 529 1989 - DIN 40050 - EN 60529)
Detector life: / Dimensions:	<b>10 years</b> / <b>119 x 60 x 22 mm</b>

# CERTIFICATO DI INSTALLAZIONE - INSTALLATION CERTIFICATE

Il sottoscritto, Thendersigned: \_\_\_\_\_

Installatore CERTIFICA di aver eseguito PERSONALMENTE il montaggio del DISPOSITIVO descritto qui di seguito, conformemente alle istruzioni del fabbricante.

Installed CERTIFIES that the fitting of the DEVICE described below was carried out by him PERSONALLY, in accordance with the instructions of the manufacturer.

## Descrizione del VEICOLO - Description of the VEHICLE:

MARCA, TRADEMARK: \_\_\_\_\_ MODELLO, TYPE: \_\_\_\_\_

NUMERO di SERIE, SERIAL NUMBER: \_\_\_\_\_

NUMERO di IMMATRICOLAZIONE, REGISTRAZION NUMBER: \_\_\_\_\_

**Descrizione dell'ALLARME secondo il Regolamento ECE 97 R** (Equivalente alla Direttiva Europea 95/56/CE):  
**Description of the ALARM as for European Standards 97 R** (Equivalent to European Directive 95/56/EC):

Modello, Type  
Matricola, Registration

MED 11.5

SIR

SENSORE RADAR, Yes - Sì  No - No   
RADAR SENSOR

ALTRO / OTHER

Applicare nei riquadri le etichette adesive fornite in confezione con i dati indicati e completare il modulo.  
Apply the supplied labels with the relevant data and complete the form.

Installato a, Installed at: \_\_\_\_\_ Il, On: \_\_\_\_\_

Indirizzo completo dell'installatore,  
Full address of installer:

TIMBRO, STAMP

FIRMA DELL'INSTALLATORE, SIGNATURE: \_\_\_\_\_

## AVVERTENZE GENERALI PER L'UTENTE:

## DA CONSERVARE A BORDO DEL VEICOLO

- L'INSTALLAZIONE deve essere eseguita da PERSONALE QUALIFICATO, secondo le istruzioni specifiche.
- L'INSTALLATORE DEVE rilasciare al PROPRIETARIO del veicolo il presente CERTIFICATO DI INSTALLAZIONE completamente compilato e firmato, **valido anche per la GARANZIA del prodotto**.
- L'INSTALLAZIONE di un DISPOSITIVO di ALLARME per veicoli secondo la Norma **97 R** comporta:
  1. Il collegamento di TUTTI i pulsanti di porte, cofano e baule, aggiungendo quelli mancanti.
  2. Il collegamento di un AVVISATORE ACUSTICO.
  3. Se è previsto il SENSORE RADAR, deve essere indicato nel presente modulo.

Landi Renzo S.p.A. declina ogni responsabilità e sospende la GARANZIA in caso di utilizzo improprio del prodotto o di parte di esso, di manomissione o di abbinamento a dispositivi non previsti.

## GENERAL WARNINGS FOR THE USER:

## PRESERVE INSIDE THE VEHICLE

- INSTALLATION must be conducted by QUALIFIED PERSONNEL and according to the instructions.
- The INSTALLED MUST provide the OWNER of the vehicle with the present INSTALLATION CERTIFICATE, completed in full and signed. **Valid also for the guarantee of the product.**
- INSTALLATION of an ALARM DEVICE for vehicles in accordance with the **European Standard 97 R** requires:
  1. The connection of ALL the door, hood, and boot buttons, adding those that are missing.
  2. The connection of an ACOUSTIC SIGNALER.
  3. If the alarm system includes a RADAR SENSOR this must be indicated in the present form.

Landi Renzo S.p.A. declines all responsibility and withdraws the GUARANTEE / WARRANTY in cases of: the improper use of the product or part there of, tampering with the product, its combination with devices for which it was not specifically designed.

SI PREGA DI SCRIVERE IN STAMPATELLO - PLEASE WRITE IN BLOCK LETTERS

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