



Fig. 1. System unit.

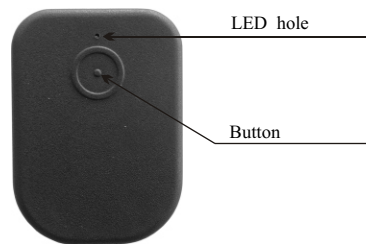


Fig. 2. ID card.

### THE IMMOBILIZER PURPOSE

The purpose of the immobilizer 'KODINIS' is the identification of the driver. The driver is identified, when the person with ID card comes inside the communication area. If the person has no ID card, the immobilizer regards, the vehicle is under unauthorized use and transfers the signal for engine immobilization.

### THE SET

The system includes a system unit—an electronic module (Fig. 1.), it should be hidden by installer inside a vehicle passenger compartment during installation, and ID card (Fig. 2)—an electronic key that should be inside driver's pocket or handbag. The ID card supports 2-way radio communication with the system unit. There are two ID cards in the set, but it is available to learn up to five ID cards.

### THE ID CARD

There are a button and LED hole on the ID card case (Fig. 2). Power supply—3V CR2032 type battery, it is recommended to replace the battery every 12 months. **The ID card is not intended to use as key fob and should be placed separately from car keys.** To you there will be no advantage of the immobilizer if during a robbery together with car keys will give and ID card. **The ID card is necessary for protecting from a rain and snow!**

### THE SYSTEM UNIT

The system unit supports 2-way radio communication with ID card, decodes received information and converts it to the control signals. If the driver identification fails, the system unit transfers an immobilization signal intended for an external immobilization equipment. A car alarm system, GSM/GPS system, other equipment can be used as external immobilization equipment.

### ID CARD AND SYSTEM STATUS

Press the ID card button shortly. The LED makes a flash. A colour shows ID card and system unit status:

**green colour**—ID card is turned ON (active status);

**orange colour**—ID card is turned OFF (stand by status);

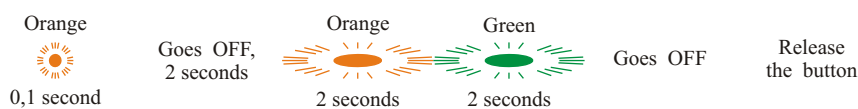
**red colour**—ID card is turned OFF and the system unit is turned OFF by this card (stand by status, performs no control).

### USING OF THE IMMOBILIZER

Please have the **turned ON** ID card with yourself. The system will make all automatically.

### ID CARD TURNING ON

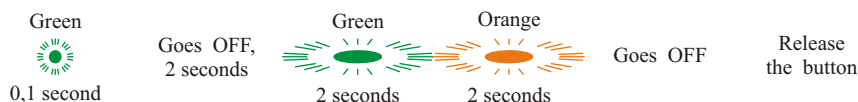
It is available to turn ON the ID card only **near or inside the car**. **Press and hold pressed down the ID card button:**



To check yourself shortly press the ID card button. If the LED makes flash of **green** colour, all is executed correctly.

### ID CARD TURNING OFF

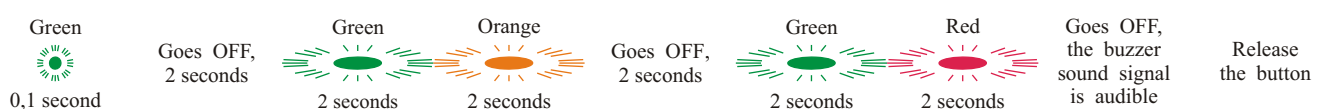
It is available to turn OFF the ID card **anywhere**. It is advisable for battery saving. **Press and hold pressed down the ID card button:**



To check yourself shortly press the ID card button. If the LED makes flash of **orange** colour, all is executed correctly.

### ID CARD AND SYSTEM UNIT TURNING OFF

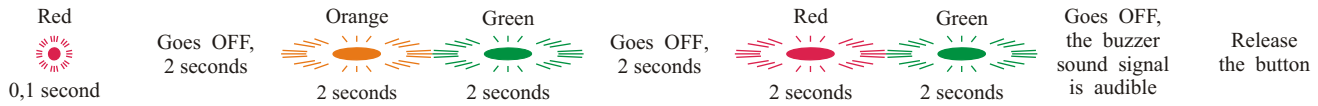
It is available to turn OFF the ID card and the system unit only **near or inside the car**. **Press and hold pressed down the ID card button:**



To check yourself shortly press the ID card button. If the LED makes flash of **red** colour, all is executed correctly.

## ID CARD AND SYSTEM UNIT TURNING ON

It is available to turn ON the ID card and the system unit only **near or inside the car**. Press and hold pressed down the **ID card button**:



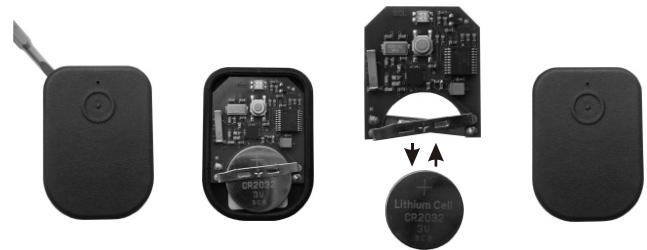
To check yourself shortly press the ID card button. If the LED makes flash of **green** colour, all is executed correctly.

## TROUBLESHOOTING

1. **When the ignition is turned ON, the series of four double buzzer sound signals with 1.7 second intervals are audible.** The ID card battery is low. Replace the battery by new one.
2. **The buzzer sound signals are audible within 3 minutes every 5 seconds.** The communication between the ID card and system unit is lost. Check the ID card is not lost, not left at home, its battery is OK.
3. **The short buzzer sound signal is audible with ignition is turned ON.** The ID card and the system unit are turned OFF.
4. **'Anti-carjack' has been triggered, a car is immobilized.** The communication between the ID card and system unit is lost. Check the ID card is not lost, not left at home, its battery is OK.
5. **When the ignition is turned ON, the buzzer all time is sounding by short signals.** The ID card and the system unit are turned OFF. You brought another learned and turned ON ID card. Turn on the system unit or turn OFF the ID card. **For troubleshooting of more complex troubles contact the immobilizer installer's company.**

## BATTERY REPLACEMENT

Find on a side of the ID card case a cave for a screwdriver tip. Open the ID card case using the screwdriver with a flat tip. Take off a board, pull out a battery and replace by new CR2032 type 3V battery. Put the board back, close the case. Pay the attention to the battery polarity. If the polarity is wrong, your ID card will not operate. **Your product batteries are covered by European Directive 2006/66/EC, so the batteries must be collected and disposed separately from normal household waste.**



## TURNING ON THE OVERRIDE MODE

The immobilizer override mode is used in the following scenarios: the ID card is lost, the ID card battery is fully discharged, the car is being repaired (ID card remains with you). The override mode can be turned ON by the use of the PIN code. The factory preset PIN is written on the immobilizer sticker. The installer must give you the PIN. **For example the PIN code 2113 is entering by turning ON and OFF the ignition and counting flashes of the system LED (not ID card LED!):**



## TURNING OFF THE OVERRIDE MODE

Enter the PIN code (see TURNING ON THE OVERRIDE MODE). Wait for 3 seconds. While the override mode is not yet turned ON (system LED flashes frequently), enter the code 11 by the same way as PIN code.

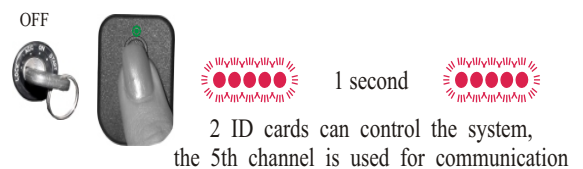
## CHANGING THE PIN

The user can change the PIN code. It is strongly recommended for security reasons after system installation. Action sequence:

1. Enter current PIN code (see TURNING ON THE OVERRIDE MODE).
2. Wait 3 seconds with ignition is turned OFF till the system LED will finish flash by triple flashes.
3. Enter code 81 analogically the PIN entering. Code entering will be confirmed by short buzzer sound signal.
4. Enter the new PIN two times one after other within 8-minute control time. If the same code will be entered both times, the system will store it as the new PIN and will confirm it by buzzer sound. If you made a mistake, repeat this chapter from beginning.

## HOW MANY ID CARDS CAN CONTROL THE SYSTEM?

It is available to learn up to 5 ID cards. For learning details see Installation manual. The user can easily check how many ID cards can control the system. Turn OFF the ignition.. Press the ID card button and observe the system LED. **The number of LED flash packets shows the number of learned ID cards. The number of flashes in the packet corresponds to communication channel number (from 1 to 5).**



## PROTECTION AGAINST ROBBERY ('ANTI-CARJACK')

The use of the all 'anti-carjack' variants is legal, if the vehicle is operated in the country that is non EU member and does not apply the UNECE Regulation No.97.

1. 'Anti-carjack' with **120 second override time** is triggered by **the ignition turning ON with no ID card or by communication with ID card loss with the ignition is turned ON**. The system will transfer the signal to stop a car.
2. 'Anti-carjack' with **60second override time** is triggered by **the ignition is turned ON with no ID card**. The system will transfer the signal to stop a car.
3. 'Anti-carjack' with **60second override time** is triggered by **the ignition turning ON with no ID card or by opening the door with ignition is turned ON and communication with ID card loss afterwards**. The system will transfer the signal to stop a car.
4. The sequence of the 'Anti-carjack' process:



25 seconds left to the override time end, the buzzer sound with increasing frequency.



15 second left to the override time end, the buzzer sound becomes continuous.



0 seconds. Override time is elapsed. The buzzer sound is turned OFF, the signal for engine immobilization is turned ON. The system LED flashes by rare flashes.



5. Are available 3 similar 'anti-carjack' operation variants, which from 1,2,3 differ that **the system will not transfer the signal to stop a car**. These setting are legal in the **EU countries**. The sequence of the 'Anti-carjack' process:



25 seconds left to the override time end, the buzzer sound with increasing frequency



15 second left to the override time end, the buzzer sound becomes continuous.



0 seconds. Override time is elapsed. The continuous buzzer signal lasts till the ignition will be turned OFF, but no shorter as the override time elapses.

OFF



When the override time is elapsed, turn OFF the ignition to stop buzzer sounding. The system transfers the signal for engine immobilization. The system LED flashes by rare flashes.



6. Are available 3 similar 'anti-carjack' operation variants, which from 1,2,3 differ, that **the system will transfer the signal to stop a car by the "soft" (gradual) way**. The sequence of the 'Anti-carjack' process:



25 seconds left to the override time end, the buzzer sound with increasing frequency.



15 seconds left to the override time left, the buzzer signal becomes continuous, the signal for the "soft" (gradual) engine immobilization is transferred.



0 seconds. Override time is elapsed. The buzzer sound is turned OFF, the signal for engine immobilization is turned ON. The system LED flashes by rare flashes.



The learned turned ON ID card inside the communication area is necessary for 'anti-carjack' process cancelling or its trigger prevention.

For engine immobilization signal turning OFF after the 'anti-carjack' process is over (the system LED flashes by rare flashes):

1. Place the turned ON ID card inside the communication area and turn ON the ignition.
2. If the authorization button is used, within 5 seconds before or or within 5 seconds after turning ON the ignition it is necessary to press the button 1 or 2 times (depending on settings). It must be explained by the installer.

## AUTHORIZATION BUTTON

It is available to install and setup the system in a such way that the immobilization signal turning OFF would be available only by pressing the authorization button 1 or 2 times within 5 second time before or after turning ON the ignition.

## SYSTEM COMPLIANCE AND WARRANTY



The system is made in Lithuania. A warranty term is 24 months. The manufacturer - company 'Kodinis Raktas' declares that product "KODINIS IMB5" complies with essential requirements of EU Directives and UNECE Regulation No.97. See manufacturers web site [www.kodinis.lt](http://www.kodinis.lt) .for complete text of declaration.

## END OF USE



Your product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products. Please act according to your local rules and do not dispose of your old product with your normal household waste. Correct disposal of your old product helps prevent potential negative consequences for the environment and human health.



Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environment and human health.