



4821-4822-4823

USER INSTRUCTIONS2



**Vodafone
Automotive**



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Dear Customer,

The product you've chosen is in line with the quality and functional standards required by the main Car Manufacturers and it complies with the safety and security European directives. We would like to remind you that the security degree of this system can be increased by adding the following modules:

LEVEL MONITOR

This sensor detect the vehicle being jacked up to for towing it away or for stealing the wheels (already available on 4822).

HYPERFREQUENCY VOLUMETRIC SENSOR

It is a volumetric sensor for interior protection required for convertible vehicles as it is not sensitive to air movements (suitable for convertible vehicles).

CRANK INHIBITION

To add another crank inhibition to the system.

TRACKING DEVICE

Allow to track your vehicle and to send alerts to a Secure Operating Center.

In this manuals we've listed all the standard system functionalities and those you can ask to active to an authorized Vodafone fitting centre. Please read carefully this manual to get the full benefit from the product.



1. - INTRODUCTION.

The 482X alarm system is equipped with an electrical interface which is able to acquire information from the vehicle. The system can thus be armed and disarmed using the vehicle's original remote control.

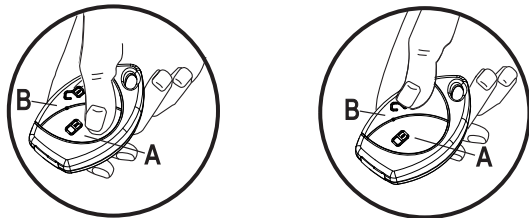
2. - ARMING AND DISARMING THE SYSTEM BY ORIGINAL VEHICLE REMOTE CONTROL OR WITH VODAFONE REMOTE CONTROL (OPTIONAL).

To arm the system press the door locking push-button of the vehicle original remote control or the "A" button on the Vodafone remote control.

The arming status is confirmed by:

- vehicle doors locking with Vodafone remote control only (only if the electrical connections have been made);
- audible signals (if activated);
- flashes of the direction lights;
- LED of the emergency panel illuminated.

VODAFONE REMOTE CONTROL (OPTIONAL)



The protection features of the system become active after a 25 s arming period has elapsed (when the LED of the emergency panel starts blinking).

To disarm the system press the door unlocking push-button of the vehicle original remote control or the "B" button on the Vodafone remote control.

The disarming status is confirmed by:

- vehicle doors unlocking with Vodafone remote control only (only if the electrical connections have been made);
- audible signals (if activated);
- flashes of the direction lights;
- LED of the emergency panel OFF.

Note:

if the Driver Card is paired with the system, pressing the central button will obtain the same functions as above.



2.1 - Arming the system with the volumetric ultrasonic protection disabled.

This function allows to arm the system leaving temporarily disabled the volumetric protection of the interior of the vehicle. The volumetric protection must be disabled any time you leave somebody or an animal in the vehicle and/or you want to leave any window opened also disable the protection to avoid false alarms. All other protections remain active.

To disable the volumetric protection proceed as follow:

- switch the engine OFF, being sure that the ignition switch has been turned to the OFF position;
- within 5 s **press the emergency panel push-button and keep it pressed** until it will flash once to confirm only the volumetric protection has been disabled;
- **by keeping the push-button pressed continuously**, the system will confirm by the second flash that only the additional sensor input and the standard Tilt sensor (only with 4822) has been disabled;
- **by keeping still pushing the push-button continuously**, the system will confirm by the third flash for both of them disabled.

Note: to confirm your selection, release the emergency panel push-button!

The selected protection will remain disabled until the system will be disarmed. It will be automatically restored at the next arming of the alarm.

Note: on some vehicles the system automatically disables the volumetric protection if any windows is left opened.

3. ACTIVABLE FUNCTIONS.

3.1 - Interior protection with ultrasonic volumetric sensor.

The system protects the vehicle interior with a volumetric ultrasonic sensor. Any attempt to get into the vehicle will be detected and the alarm will trigger.

3.2 - Perimetric protection with door open warning diagnostic.

The alarm will trigger by opening any door, boot and bonnet.

Should you have left any door opened while arming, the system will signal it by 3 flashes of the direction lights and 3 audible signals (5 audible signals if the arming/disarming audible signals function has been activated).

3.3 - Cable cutting protection (only for systems with back-up battery siren).

The alarm will trigger if the system is not power supplied (cutting of cables - battery disconnection) signaling the sabotage.

3.4 - Engine starting inhibition (if enabled).

As soon as the system is armed the engine starting is not be possible anymore.

Note: Ask your installer if this functionality is provided by the system fitted on your vehicle.



3.5 - Emergency panel with LED.

The LED main scope is to show the system arming and disarming conditions. When the system is armed the LED gets ON and remains illuminated until the 25 s arming period has elapsed. After that it starts blinking. It goes OFF as soon as the system is disarmed. When the system is in alarm, the LED flashes faster.

3.6 - Alarms memory.

When an alarm occurs, during the arming time it will warn you with 4 flashes of the direction lights and 4 audible signals. It also stores in its memory the reason of the occurred alarm and shows it on the emergency panel LED. Count the number of flashes and check the corresponding alarm reason on the table. By turning the key ON, the memory will be deleted.

LED NUMBER OF FLASHES	ALARM ROOT CAUSE
1 flash	Ultrasonic volumetric detection.
2 flashes	Inclination sensor detection.
3 flashes	Ignition key ON (+15) detection.
4 flashes	Driver Door opening detection.
5 flashes	Other Door opening detection.
6 flashes	Bonnet opening detection.
7 flashes	Boot opening detection.
8 flashes	External sensor detection (Ext. alarm).
9 ÷ 20 flashes	In case of "Technical alarm" detection, contact your installer.

3.7 - Alarm Memory History

The condition to access to reading the LED Signalling alarm memory is the follow:

- System Unset
- Ignition ON
- Driver Door Open
- Bonnet Close
- Pressing for more than 5 s to the panel push button.
- Confirmation of entering the procedure is one short siren buzzer (0,5 s ON) and one blinkers flash (0,5 sec ON) (also if the alarm memory is empty and then no LED Signalling is actuated).

During reading the LED Signalling alarm memory: the LED of the control panel starting flashing with the correspondent number of the last 6 alarm memory memorized (LED signalling time, 10 consecutive times). Pressing for more than 5 s to the panel push button the LED Signalling alarm memory sequence will restart.

- Exiting procedure (Ignition OFF, System Set) the ACU shall stop the LED Signalling alarm memory without cancelling memory itself.
- Confirmation of exiting the procedure is one short siren buzzer (0,5 s ON) and one blinkers flash (0,5 s ON).

3.8 - Emergency disarming by Ignition key (if available).

If the vehicle original remote control get lost or if it doesn't work, open the door with the mechanical key. Turn the ignition key ON. If the system doesn't disarm automatically, you must disarm follow the emergency procedure described in step 6.



3.9 - Direction lights alarm flashes during alarm.

When the system goes OFF (alarm ON) the siren sounds and the direction lights flash for 28 s.

4. - PROGRAMMABLE FUNCTIONS.

4.1 - Activation and volume adjustment of the audible arming and disarming signaling.

This function allows to activate a short audible signal to confirm the system's arming and disarming.

Important: its activation in CE countries is forbidden.

4.2 - Automatic System arming.

The system will automatically arm after 30 s the ignition key has been switched OFF and the driver side door has been opened and closed.

4.3 - Auto re-arming.

The system will automatically re-arm if, after 120 s, it has been disarmed and no one door has been opened.

4.4 - Auto re-arming with doors locking

As for auto re-arming, but with automatic doors locking (if the CDL connections have been made).

4.5 - Automatic Arming - Engine starting inhibition.

The starting inhibition becomes active after 115 s the vehicle has been switched OFF. Its disarming can be done by the Driver Card (optional) or when a correct emergency PIN Code has been digit.

4.6 - Confort window closing with Vodafone remote control.

This is a native function of the vehicle, so at first check if it is available. By keeping pressed the Vodafone remote control "A" pushbutton you can close the windows from a distance.

Warning: for safety reasons we recommend to close the windows remaining close to the vehicle.

4.7 - Anti hi-jacking (function not activated by default for EU/ECE Markets*).

This function helps to prevent the vehicle hi-jack while driving, taking care also to the safety of the driver. If the driver isn't recognized, the system will consider him as an unauthorized person to drive the vehicle, it will generate an alert sequence and it will not allow the engine starting after it has been switched OFF.

The Anti hi-jacking is configurable into two different modes:

Mode 1

Activation of the anti hi-jacking system when the door is opened and a single recognition of the Driver Card.

During the normal usage of the vehicle the driver is recognized by the system in three ways:

- by entering the first two Pin Code digits on the emergency panel, by pressing an hidden external button if installed or in automatic way by the Driver Card if paired.

The "recognition" operation must occur by the system, every time the ignition key is switched ON or when, with the ignition key ON, the driver opens and closes the driver side door to get OFF. If the recognition doesn't happen within 60 s the LED of the system starts to flash quickly, reporting the failed recognition for further 30 s. When this time is expired, the system generates an



alert sequence. The engine cranking inhibition becomes active with the ignition key OFF, making impossible the engine running. To exit the anti hi-jack function, you must close the driver's door and enter the four digits of the Pin Code. or press the hidden external button or by automatic recognising of the Driver Card; if the latter is OFF, to deactivate the anti hi-jacking, you must press the Driver Card button to allow recognition.

Warning: to temporarily deactivate the anti hi-jack function (Driver Card broken if paired or with flat battery), type the first two digits of the Pin Code. The function will become active again by opening and closing the driver's door when the ignition key is on or by turning the ignition key ON and OFF.

Mode 2

- Activation of the anti hi-jack function when the door is opened and closed and continuous recognition of the Driver Card.

Under normal conditions of use, the driver must be recognized by the system in three ways:

by entering the first two digits of the Pin Code on the control panel, by pressing an hidden external button if installed or in automatic way by the associated Driver Card.

The recognition operation must occur every time the ignition is turned ON or when the driver's door is opened and closed with the ignition already ON.

If the recognition doesn't happen within 60 s the LED of the system starts to flash quickly, reporting the failed recognition for further 30 s.

When this time is expired, the system generates an alert sequence. The engine cranking inhibition becomes active with the ignition key OFF, making impossible the engine running.

To exit of the anti hi-jack function, it is necessary to enter the first two Pin Code digits on the emergency panel or by pressing an hidden external button if installed or in automatic way by the Driver Card if paired.

If the Driver Card is switched OFF, press the push-button of the Driver Card to be recognized.

The anti hi-jacking function will be reactivated when the driver's door is opened and closed with the ignition ON or when the ignition is turned OFF and ON.

Warning: to temporarily deactivate the anti hi-jack function (Driver Card broken or with flat battery), type the four digits of the Pin Code. The function will become active again by opening and closing the driver's door when the ignition key is on or by turning the ignition key ON and OFF.

***Note:** the function is disabled for compliance with European and ECE regulation. Its activation voids the CE homologation. It can be used only in the extra-European countries, if the functionality is not in conflict with the local rules. In any case the activation is only allowed by an authorized service and not possible for the end-user.

4.8 - HIGH SECURITY SYSTEM (HSS)

Activating this function and pressing the central locking unlock button on the original remote control, the system in the pre-disarming phase delays the detection of the opening of the bonnet and/or the ignition key ON (+15) for 30 s, to allow the driver to be recognised. The driver is recognised by the system in three ways: by



entering the first two digits of the Pin Code on the control panel, by pressing an external button (by activating the analogue input recognition function) or via the Driver Card if paired. If the driver is not recognised, by opening the bonnet and/or starting the engine, the system generates an alarm after 30 s. NOTE: all other inputs

such as the driver's side door-boot doors/ultrasonic sensors/microwave sensors/external modules and modules connected via cobra bus are excluded/not detected.

4.9 - Garage mode.

This function allows to temporarily disable all protection automatic functionalities of the system. It can be used, as an example, when you need to leave the vehicle at a workshop for maintenance to avoid the automatic activation of any functionality.

Activation

- Open driver side door.
- Turn the ignition key ON.
- Enter the complete emergency PIN Code (4 digits) on the emergency panel pushbutton.
- A flash of the direction lights confirms the activation.

There are 2 configurable Garage modes.

Mode 1:

When the garage function is active the driver is allowed to turn the ignition key ON for 10 times (engine running) or after the first system arm, after which the system restore all automatic functionalities. A flash of the direction lights and an audible signal confirm the deactivation.

Mode 2 (option not allowed for EU/ECE Markets**):

The garage function remains active until it is deactivated, following the same procedure performed for activation. A flash of the direction lights and an audible signal confirm the deactivation.

****Note:** the function Mode 2 is not in compliance with European and ECE regulation. Its activation voids the CE homologation. It can be used only in the extra-European countries, if the functionality is not in conflict with the local rules.

4.10 - Panic alarm from Vodafone remote control (optional).

If the function is activated, pressing the "A" push-button of the remote control, with the system armed and after the inhibition time of 25 s has elapsed, it allows to generate a 10 s panic alarm. By activating this function it will not be possible to activate the function described in step 4.11.

4.11 - Car finder by Vodafone remote control (optional).

Alternatively to Panic alarm function, this function can be activated pressing the "A" push-button of the remote control, with the system armed and after the inhibition time of 25 s has elapsed; it allows to find your vehicle more easily in a parking area. By activating this function it will not be possible to activate the function described in step 4.10



4.12 - Check of number of Driver Cards and Remote Controls learned.

In order to access of this function, the conditions are the follow:

- Ignition key ON
- Driver Door Closed
- Bonnet Closed
- Pressing for more than 5 s the control panel push button until the buzzer sounds 2 times and blinkers (turn indicators) will flash 2 times (entering).
- After that, the LED goes ON for 2 s and next goes OFF for 2 s, after that the LED goes ON the number of times corresponding of the number of the Driver Cards and Remote Controls learned (just one time).

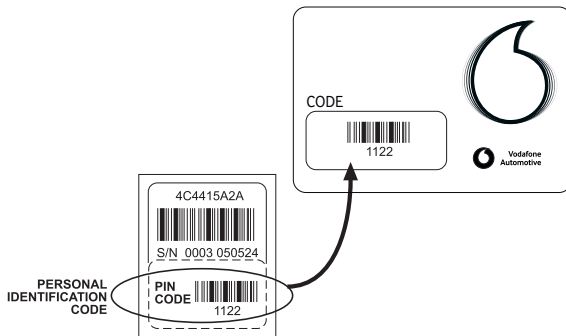
The number of the Driver Cards will be signalling by the LED ON for 0,5 s and OFF for 1 s and the numbers of Remote Controls will be signalling by LED ON for 1 s and OFF for 1 s (just one time); when no Driver Cards or no Remote Controls are learned only LED 2 s ON + LED 2 s OFF starting display Driver Card or Remote Control will be applied.

5. - PIN CODE.

The PIN Code is a four-digit code, preset in the factory, and must be reported by the installer on the PIN Code Card associated with the product.

It is very important to keep the PIN Code, since it allows you to disarm the system in the event of loss or malfunction of the remote controls.

It is also used for other functions (driver recognition code for the anti-theft function and activation code for the garage function). You can ask your installer to customize the PIN Code, who will ask you for the PIN Code Card with the code in use.



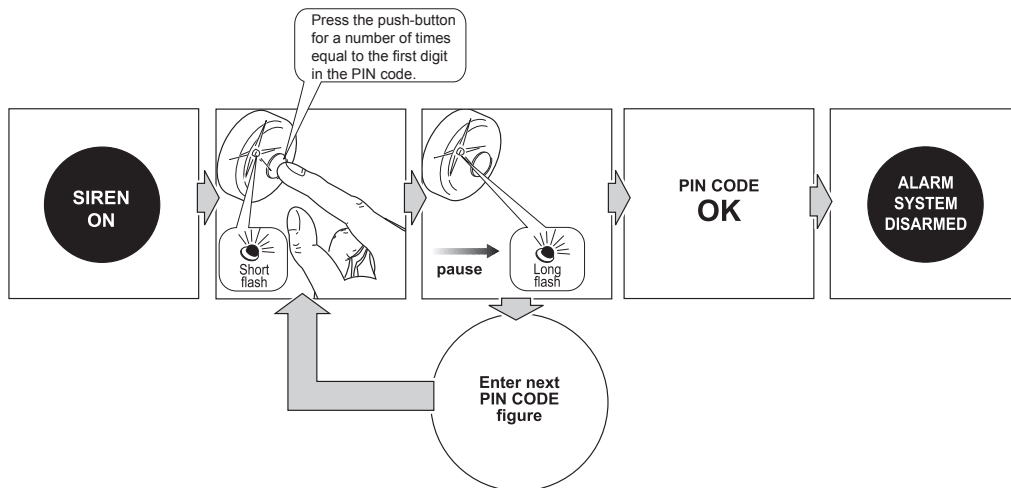
We recommend that you place the **PIN CODE** adhesive label, which you will find on the back of the control unit, on the appropriate **PIN CODE CARD**.

6. - EMERGENCY OVERRIDE WITH PIN CODE.

If the vehicle original remote control get lost or if it doesn't work, open the door with the mechanical key and turn the ignition key ON.

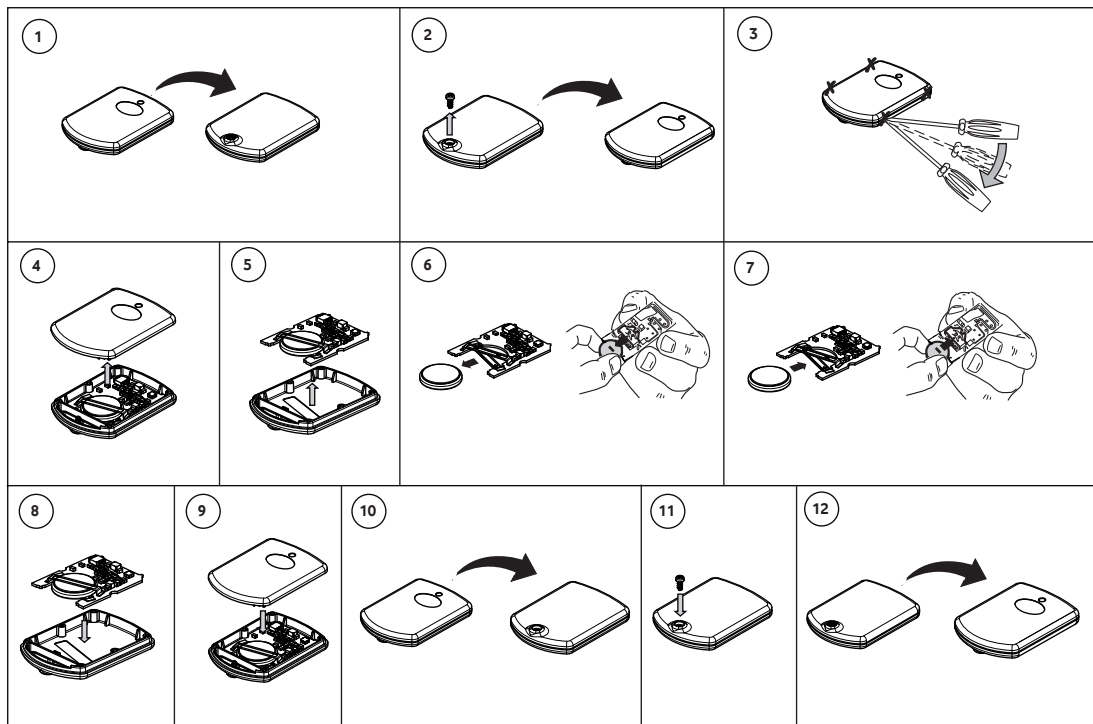
If the system doesn't disarm automatically proceed as follow:

press the emergency panel push-button for a number of times corresponding to the first digit of the PIN Code. Each push-button pressure is confirmed by a quick flash of the LED. Make a longer pause to let the system understand that you've finished to enter the first digit, a longer flashing of the LED will confirm it. Do the same for the remaining digits, as soon as all four digits will be entered the system will disarm.

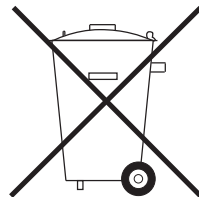
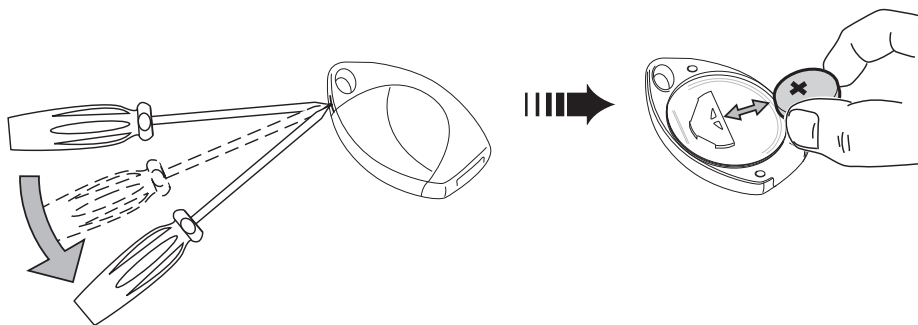




8. - DRIVER CARD BATTERY REPLACEMENT.



9. - REMOTE CONTROL (OPTIONAL) BATTERY REPLACEMENT.





11. - WARRANTY CONDITIONS.

This product is guaranteed for 24 months from the date of purchase, validated by receipt or invoice. The warranty will be null and void if the product shows signs of tampering, incorrect installation, damage caused by falling or transport, negligence and anything else not imputable to manufacturing defects.

In the event of improper installation of the system, the manufacturer shall not be liable to compensate for damages:

- of any kind and direct or indirect;
- to things or to persons.

To benefit from warranty coverage, contact your authorized dealer with adequate documentation showing the date of purchase.

FOR MARKET ONLY

Thatcham recommends to its insurer members that the installations of certified products within the aftermarket are registered with an independent installation registration system which can be accessed by insurance companies. If seeking insurer recognition for the fitment of this product it is likely that the installation will have to be carried out by a Thatcham recognised installer.

A full list of Thatcham recognised installers is available at www.thatcham.org/tri/home



10. - CONFORMITY DECLARATION.

Declaration of conformity – Antitheft System Type 4820

Hereby, Vodafone Automotive SpA declares that the radio equipment type 4820 is in compliance with Directive 2014/53/EU and with the UK Radio Equipment Regulations 2017. The full texts of the EU and UK Declarations of Conformity are available at the following internet address automotive.vodafone.com, in the section download.

The device bears the following marks:



The device has the following RF parameters:

869,5 MHz - 869,9 MHz / 0 dBm: optional TX for wireless siren connection

433,9 MHz: optional RX for remote key connection

Note: in order to avoid human exposure to electromagnetic fields the device is installed with a distance greater than 0.2 m with respect to the body of vehicle occupants.

Declaration of Conformity – Remote transmitters Types 2771–2772–8772 (optional)

Hereby, Vodafone Automotive SpA declares that the radio equipment types 2771–2772–8772 (optional) are in compliance with Directive 2014/53/EU and with the UK Radio Equipment Regulations 2017. The full texts of the EU and UK Declarations of Conformity are available at the following internet address automotive.vodafone.com, in the section download.

The devices bear the following marks:



The devices have the following RF parameters: 2771/2772 = 433,9 MHz, -16 dBm (max); 8772 (optional) = 433,9 MHz, -12 dBm

Declaration of Conformity – Warning Siren type 5365 (optional)

Hereby, Vodafone Automotive SpA declares that the radio equipment type 5365 is in compliance with Directive 2014/53/EU and with the UK Radio Equipment Regulations 2017. The full texts of the EU and UK Declarations of Conformity are available at the following internet address automotive.vodafone.com, in the section download.

The device bears the following marks:



The device has the following RF parameters: 869,5 MHz - 869,9 MHz; receiver only.

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