AMPIO CAN & AMPIO BP
CENTRAL UNITS
OPERATING MANUAL

TECHNICAL SPECIFICATIONS

Voltage rating	+12V
Operating voltages	+9V … +15V
Current consumption: standby	20 mA
disarmed	10 mA
Operating temperature range	-40°C … +80°C
Alarm holding time	30 sec.
Return to standby mode time	25 sec.

Ampio CAN Approval E20 No 97RA-01 2331
Ampio BP Approval E20 No 97RA-01 1987

Turning on the alarm system - after pressing the button on the original factory remote control closing the door (or optional extra remote control – only for Ampio CAN central units). Enabling will be signaled by the inclusion of direction lights for 1 second and by the siren beep if the function "loud alarm" is activated. If the switching on an alarm will be an open door, bonnet or boot will be generated four times (three times for information from the CAN bus) siren beep.

Turning off the alarm system - after pressing the button on the original factory remote control opening the door (or optional extra remote control – only for Ampio CAN central units). Enabling will be signaled by the double inclusion of the direction lights and by the double siren beep if the function "loud alarm" is activated. If will be open door, bonnet or boot will be generated four times (three times for information from the CAN bus) siren beep. If you turn off the alarm when you hear a short beep siren, it means that the standby control unit has been aroused and there was a phase alarm (during "Loud alarm off" in this case there will be three short beep siren). The reason for alarm, you can check by using the alarm memory described below.

Alerting - after turning on the alarm, the central unit tests all sensors. When any of them is faulty it is automatically disconnected. Other efficient sensors are activated 30 seconds after the turning on the alarm system. Then if will be triggered any of the sensors (example: someone hits the car, or will try to beat the window glass) and will open the doors, bonnet or boot of the vehicle central unit will go into alert phase. During this phase, the siren is switched on for 30 seconds and the direction lights are flashing. After the alert phase, the control unit automatically goes into standby phase. If you want to end the phase of pre-alarm and go to standby, press the button activating the alarm (button closing the door - central locking).

Emergency disarming - this function allows emergency disarm the alarm and switch to the service state in case of loss or damage to the remote control. Entry into service state - after holding the anti-kidnapping button for about 10 seconds until alerting is off (alarm siren will be turned off). Entry into service status is indicated by slow flashing LED of alarm system (LED lights two seconds, two seconds is off). If the function " emergency disarming by PIN code" is programmed, the transition to service state is possible only after the entering PIN code (please read "disarmament by PIN"). In order to exit from the service state to be 2 times

press the anti-kidnapping button. This confirms the alarm LED flash. After leaving the service state alarm goes into neutral.

Closing the central lock after turning the ignition - if this function is activated after switching on the ignition - after 5 seconds the central lock will be closed. This function protects against theft of bag from the passenger seat when car is stopped by traffic lights on crossroad.

Closing the central locking when driving (only for Ampio CAN central units) - if the function is activated after switching on the ignition and exceeding the speed 5 km/h, the central locking system will be closed. (available in some cars)

Reminder sound for turn on the alarm system (only for Ampio BP) - If you take out back the key from the ignition, open and close the door, then after 5 seconds the alarm system will remind you to its turning on (one short).

Disconnecting the sensors - is useful when for example an ultrasonic sensor is installed and you want to leave your dog in the closed car. Disconnecting the sensor is possible by three times pressing the anti-kidnapping button. This is confirmed by the alarm systems LED flash and beep of the alarm siren. After arming the alarm system these sensors will be disconnected.

Disable comfort function (only for Ampio CAN central units) - we can temporarily disable the comfort function (to windows has not been closed), for example if you want to leave your dog in the car with the windows slightly opened. To do this, press the anti-kidnapping button two times. This will be confirmed the alarm LED's flash and beep of the alarm siren. The function of comfort will be disconnected until the ignition is turn on.

Anti-hijacking - if this feature is enabled by an additional hidden anti-kidnapping button prevents the vehicle from theft. If a thief came into the possession of our key and the remote control from our unit, the launch of vehicle can't be done until the anti-kidnapping button is pressed. The alarm system comes into this function when switching on the ignition, and after a certain time. To delete anti-hijacking function press the mentioned button (also anti-kidnapping) for 0.5 seconds, an alarm system will confirm it by the LEDs flash.

WARNING! Using anti-hijacking system can be used only in countries where the regulations 97EKG UN are not applicable. Otherwise, approval of a Vehicle Alarm System Ampio CAN mounted in your car would become not valid! Enabling this feature is only available at your own risk.

Anti-kidnapping - prevents the vehicle from theft as well if this feature is enabled when the thief tries to steal our car when the engine is running (for example, at the stop when waiting for the green light). When the ignition is switched on after opening the door, at a given time, when the anti-kidnapping button was not pressed, the vehicle will be immobilized (departure lock works). The alarm system comes into this function when switching on the ignition, and after a certain time. To delete anti-kidnapping function press the mentioned button (also anti-hijacking) for 0.5 seconds, an alarm system will confirm it by the LEDs flash but when the function is "anti-kidnapping PIN" is on , you must authorize pressing this button - entering the appropriate two digits of PIN code. Default code is set on 25.

WARNING! Using anti-kidnapping system can be used only in countries where the regulations 97EKG UN are not applicable. Otherwise, approval of a Vehicle Alarm System Ampio CAN mounted in your car would become not valid! Enabling this feature is only available at your own risk.

Phases of anti-hijacking and anti-kidnapping

Phase 1 – the alarm siren beeps faster and faster. Duration 10 seconds
Phase 2 - the alarm siren is off, the direction lights start flashing. Duration 30 seconds
Phase 3 - the alarm siren is on, the direction lights are flashing, the immobilizer is on. Duration 30 seconds
Phase 4 – the alarm siren is turning of, there is possible to start the vehicle. Duration 10 seconds
Phase 5 – the alarm siren is turning on with turning on the ignition, there is not possible to start the vehicle.

PIN codes

There are three separate PIN codes:
Installer PIN code (3 digit)(only for Ampio CAN central units) - used to change configuration settings and control panel as well as for programming and erasing pilots and identifiers (pellets). It is used only by authorized installers. Default code is set to "876".
Emergency disarming PIN code (3 digit) - allows us to temporarily turn off the central unit (example: misplacing the remote control or putting the vehicle to a garage) until the service button is pressed. Default code is set to "234".
Immobilizer and anti-kidnapping PIN code (2 digits))(only for Ampio CAN central units) - is required for the function of anti-kidnapping and of immobilizer. When function is active, to exit this stage it is necessary not just press the service button for 0.5 seconds but also using the service button enter the immobilizer or anti-kidnapping PIN code (adjusted and set by installer or user). Default code is set on "25".

emergency disarming and anti-kidnapping or immobilizer PIN codes are recommended to change after the installation of an alarm system and inform about them the owner of the vehicle.

PIN code emergency disarming - if this function is programmed it is possible to temporarily disable the central panel – it comes into a service state (example: misplacing the remote control or putting the vehicle into the workshop.) To emergency disarm the central unitl, press the button as many times as authentication is the first digit of the code (example: code of 354, three times), wait 5 seconds and then press the button as many times as is the second digit (example: for code 354, five times), and the last digit - four times. Entering each number will be confirmed by a LEDs flashing. If the code is correctly specified, the central unit alert phase will end and you can start the engine. By default, the PIN code emergency disarming is set to the "234". To exit the service state (after emergency disarming PIN) should be 2 times (for Ampio BP - 1 time) press the anti-hijacking. The central unit confirms by a LEDs flashing. After leaving the service state alarm system goes into neutral phase.

Erasing anti-kidnapping (anti-hijacking) PIN code (only Ampio CAN) - if this feature is programmed to delete anti-kidnapping (and anti-hijacking) is done by double-digit PIN code

entered by pressing the authorization. **Please note that this is a different code than the code for emergency disarm**. Authorization code (anti-kidnapping) in this case can be mounted in a convenient and generally accessible place need not be hidden. To delete this feature, press the button as many times as is the first digit of the code (example: for code 35, three times), wait 5 seconds and then press the button as many times as is the second digit (example: for code 35, five times.) Typing of each number will be confirmed by a LEDs flashing.

Alarm system memory overview (Ampio CAN) - press the anti-kidnapping button 6 times. The alarm siren tells us the reason of alerting by number of beeps:

Beep 1 time - the alert has been raised by the ignition input (info from the CAN bus)
Beep 2 times - the alert has been raised by the terminal input (information from the CAN bus)
Beep 3 times - the alert has been raised by the additional input
Beep 4 times - the alert has been raised by the terminal input (analog input)
Beep 5 times - the alert has been raised by the terminal trunk input
Beep 6 times - the alert has been raised by the pre-alert input
Beep 7 times - the alert has been raised by the engine mask input

Alarm system memory overview (Ampio BP) - turn on and turn off the ignition 4 times. The alarm siren tells us the reason of alerting by number of beeps:
Beep 1 time - the alert has been raised by the ignition input
Beep 2 times - the alert has been raised by the terminal input
Beep 3 times - the alert has been raised by the additional input

DESCRIPTION OF LEDs INFO MODE

LED diode function	Alarm system status
lights up constantly	*doors are open*
flashes every 1 second	*alarm system is armed*
flashes rapidly	*Immobilizing is active*

WARRANTY CONDITIONS

1. Manufacturer warrants for the above products operated and used in accordance with the instructions in the 18 months from the date of installation.
2. During the warranty period all repairs will be made free of charge, in case that you provide a vehicle to an authorized service facility.
3. Warranty repairs of the alarm system will be made for 20 days from the date of filing.
4. The warranty does not cover any damages caused by removing, deconstructing or changing the installed equipment, as well as damage to the vehicle's electrical system.
5. Any interference with the alarm system can only be performed by authorized personnel.
6. Warranty does not cover batteries, circuit breakers and switches.
7. Mechanical failures are not covered by warranty, example: flooding, snapping or corrosion.
8. During the warranty period includes 2 paid warranty inspections: the first after 6 months of operation, the second after 12 months.
9. Failure to warranty inspection within a specified period will void the warranty.
10. The manufacturer is not liable for theft or thief's breaking to a vehicle in which was equipped with mentioned products.
11. The warranty card is valid only if it is confirmed by date of sale and seller's signature.

Imię i nazwisko Name and surname Benutzer Vor- und Nachname			
Adres Address Adresse			
Marka pojazdu Vehicle type Automarke des Kraftfahrzeugs		Nr rejestracyjny Plates number Kennzeichen	
Typ i numer urządzenia Type and device number Typ und Nummer des Geräts		Podpis użytkownika User signature Unterzeichnung des Benutzers	
Data montażu i pieczątka instalatora Installation date and installator stamp Montagedatum und Stempel des Installateurs		6 miesięcy / 6 months / 6 monate	12 miesięcy / 12 months / 12 monate