



OES/AM - Antitheft systems 4600 - product platform

The highly flexible architecture of this modular antitheft range results in multiple product variants meeting the aftermarket requirements and allowing also for the development of OES solutions. It is designed to be fully compatible with a wide range of CAN bus protocols (single and double wire, low and high speed layers) but it can be fitted to non CAN-based vehicles as well.

The small-sized alarm control unit (ACU) with integrated ultrasonic volumetric sensor can be connected to either the vehicle's horn or a high-power siren; the latter may be wired or wireless type. Arming and disarming can take place via the vehicle's original remote door locking/unlocking system and/or via the Cobra remote control .

Thanks to the latest technologies, the installers' job is easier and quicker: the number of wire connections is restricted to 6 (average) and, if the wireless siren is chosen, no wire needs to be routed from the engine bay to the passenger compartment where the control unit is fitted. Last but not least, the operating parameters and the CAN interface settings of the system can be configured by means of a programming tool (Data Linker), a specific software (Antares) and the model-specific application files that are available for download from the professional area of the Cobra website

4600

Description:

modular antitheft alarm platform. Control unit with integrated ultrasonic volumetric sensor. Suits both CAN-based and non CAN-based vehicles.

Key features:

arming/disarming via the vehicle's original remote locking/unlocking system and/or via the Cobra remote control system

integrated engine immobiliser and ultrasonic volumetric detector, protection of vehicle perimeter (doors, boot, bonnet), ignition lock tamper protection

multiple audible alarm options: via the vehicle's warning horn or via different siren models (including a wireless type). Visual alarm via flashing of the turn indicators

LED indicator with diagnostic function

anti-hijack function and control output for a pager



4615 version – wireless central unit, backup battery siren and ultrasonic sensors

Benefits

- ✔ Great versatility: the system is designed to be fully compatible with a wide range of CAN bus protocols and suits also non CAN-based vehicles
- ✔ Highly flexible architecture: the 4600 platform can result in multiple product variants in response to different protection requirements
- ✔ Easy and quick installation: about 6 wire connections required, no need to route wires from the engine bay to the passenger compartment if the wireless siren is fitted
- ✔ Full support for the installer: a programming tool (Data Linker), a specific software (Antares) and the model-specific application files that are available for download from the Cobra website allow to easily configure the CAN Interface and the operation parameters of each unit for the destination vehicle

Additional vehicle-specific kit components

(development on request for oes applications)

Mounting bracket(s)

Wiring harness

Fitting accessories

Packaging

User and installation manuals (OES)

System arming & disarming

Via the vehicle's original door control system: the system arms itself when the doors are locked and disarms itself when they are unlocked

Via the Cobra remote control (additional accessory): if the vehicle has no original remote control system. The Cobra remote control can be used also in conjunction with the original one.

Passive arming (programmable): the system arms itself automatically 30 secs after the ignition has been turned off and the driver's door opened and subsequently closed

Passive re-arming (programmable): the system re-arms automatically 115 secs after it has been disarmed if no door is opened

Emergency disarming: in the event of loss or failure of the remote key, the system can be deactivated by entering a pin-code via the push-button LED

Protection functions

Single engine immobilisation: once the system is armed starting becomes impossible

Perimetric protection: opening a door, the boot, the bonnet triggers the alarm. The information is either provided by the CAN bus or collected through the alarm trigger inputs for contact switches

Ignition lock protection: the alarm is triggered if ignition is turned on while the system is armed

Volumetric protection: the vehicle interior is monitored by means of the ultrasonic sensor that is integrated within the control unit. The detection of unauthorised access triggers the alarm. No adjustment required. Volumetric protection can be temporarily disabled if required (e.g. when the user needs to leave a pet in the parked vehicle)

Driver recognition (programmable): to enhance security, the deactivation of crank inhibition requires further confirmation from the vehicle's owner via a switch or the signal that is transmitted at regular intervals by a Driver Card (additional accessory).

Audible alarm: the ACU can be connected to

- the vehicle's original warning horn
- a wireless backup battery siren > 108dB/2m
- a wired hi-power siren > 108dB/2m

Visual alarm: the turn indicators flash while the siren sounds

Anti-hijack function (programmable): triggers the alarm in the event that the driver is aggressed and forced to leave the vehicle with the key in . Once the ignition is turned off, re-starting becomes impossible.

Comfort & diagnostic functions

Alarm memory and diagnostics: in the event that the system is triggered during the driver's absence, the latter is notified by audible and visual signals upon the subsequent disarming

Function check: allows to easily perform a test of the protection functions during the inhibition time that follows arming, without generating a full alarm cycle

Door closure check: warns the driver during the inhibition time that follows arming if any of the protected vehicle doors, boot or bonnet are not closed properly

Temporary deactivation of additional sensors: a simple procedure allows to temporarily disable any additional sensors if required

Garage mode: when the unit is set to this mode, all automatic functions are temporarily disabled to allow the vehicle to be serviced

Product data (* typical)

(* some of the data may vary slightly depending on the technical features of the destination vehicle)

Nominal operating voltage (VDC):	12
Operating voltage range (VDC):	8 – 16
Operating temperature (°C):	- 40 + 85
Siren sound pressure level (dBA at 2 m):	> 108
ACU current consumption rate (mA):	
armed	< 7
ACU + wireless backup battery siren (mA):	
armed	< 11
ACU + wired siren (mA):	
armed	< 7
Dimensions (mm):	
ACU	91x67x33
Wireless backup battery siren	114x79x39
Wired siren	67x75x40

Homologations

ECER116 Vehicle Security Directive

ECER10 Automotive EMC Directive

99/5/EC RTTE Directive

Cobra engineers are at full disposal to support also homologation to local Insurance Industry standards (such as Thatcham, SRA/CNPP, SCM/TNO)