SYSTEM DESCRIPTION
Keetec BLADE car alarm is designed for vehicles with 12/24V power supply. It is used to monitor doors, trunk, hood and ignition. After triggering the system indicates alert by optical (hazard lights) and sound (siren) signaling. System is operated by using the original car remote control. Alarm can be connected to vehicle by analogue connection or CAN bus connection. CAN bus provides information about doors, trunk, hood opening, ignition status and locking/unlocking the vehicle by remote control.

SYSTEM ARMING
- press LOCK button on original remote control of the vehicle
- siren will beep 1x
- hazard lights will flash 1x
- central locking system will lock, alarm will be armed
- if doors, hood or trunk aren´t closed, siren will beep 5x
- NOTE: Depending on the system settings, sound signaling (siren) of arming can be switched off.

SYSTEM DISARMING
- press UNLOCK button on original remote control of the vehicle
- siren will beep 2x
- hazard lights will flash 2x
- central locking system will unlock, alarm will be disarmed
- NOTE: Depending on the system settings, sound signaling (siren) of disarming can be switched off.

AUTOMATIC REARMING
In case Ignition is not switched on or Doors are not opened within 90 seconds after disarming, alarm will be automatically rearmed. This function must be enabled.

AUTOMATIC ARMING AFTER TRIGGERED ALARM
When the alarm is triggered siren will sound for 30 seconds. After 30 seconds the system remains armed. If the input that triggered the alarm remains triggered even after 30 seconds, system will ignore that input until it returns to default state.

SIREN AND HAZARD LIGHTS WHEN ALARM IS TRIGGERED
When alarm is armed and is triggered by some of the inputs, siren sounds and hazard lights flash for 30 seconds. Alarm can be triggered from the same input max. 5-times in a row. When the system is then Disarmed and Armed, the counter resets.

AUTHORISATION
System allows for optional driver authorisation by using validation sequence or by using RC SMART2 (RC SMART BT) remote control. Use of abovementioned remote controls is determined by having RF SMART v2 (RF SMART BT) module installed. Authorisation configuration is possible only at installer.

Entering the validation sequence
Maximum of 4 validators can be used to enter a validation sequence, i.e. 4 vehicle controls. (e.g. brake, handbrake, window heater, ESP button,...). The maximum number of validator presses is 10. Some controls are available only when ignition is switched on. It is necessary to check availability of various controls of each vehicle with the installer, prior to installation. Due to security reasons validation sequence configuration can be done only at installer.

AUTHORISATION MODES
„OFF“ mode
Alarm is controlled by the original remote control. The authorisation is turned off.

„IGNITION“ mode
Engine start depends on entering validation sequence or by presence of RC SMART2 (RC SMART BT) in the vehicle. Entering validation sequence is confirmed with 3 beeps. System is authorised for 120 seconds, 60 seconds after turning off ignition.

„DISARM“ mode
System Disarming depends on unlocking the vehicle with original remote as well as entering validation sequence or by presence of RC SMART2 (RC SMART BT) in the vehicle. Entering validation sequence is confirmed with 3 beeps.
In case system is not authorised within15 seconds since opening doors, acoustic warning will sound.
In case system is not authorised within 20 seconds since opening doors, alarm will be triggered.

“BOTH” mode (IGNITION+DISARM)
Engine start and system Disarming depends on unlocking the vehicle with original remote as well as entering validation sequence or by presence of RC SMART2 (RC SMART BT) in the vehicle. Entering validation sequence is confirmed with 3 beeps. System is authorised for 120 seconds or 60 seconds after turning off ignition.
In case system is not authorised within 15 seconds since opening doors, acoustic warning will sound.
In case system is not authorised within 20 seconds since opening doors, alarm will be triggered.

Example: The validation sequence is as follows: press ESP button 4 times, press window heater
button 2 times. To enter the validation sequence, 2 validators (ESP button and window heater button) are connected by installer.

EXTERNAL MODULE RF SMART v2 (RF SMART BT)
Module allows for authorisation of the driver in two modes: manual or hands-free. Module also provides an option to control central locking of the vehicle. RC SMART2 (RC SMART BT) is used as remote control. For such operation remote control must be set to the manual mode. Configuration of authorisation and/or central lock control is possible only at installer. If the module is set to be used as central lock control authorisation is not available.

SERVICE MODE
We recommend to activate service mode before leaving the vehicle in a workshop or parking service. In this mode the system stops performing all blocking activities. **Thus it is not necessary to reveal authorisation method to the staff!**

ACTIVATION
- Make sure the ignition is off. To activate the service mode, disarm the system and enter the service PIN code using the service button.

- Press and hold the service button for 2 seconds (until the LED indicator on the service button lights up). Release the button.
- Press the service button as many times as the value of the first digit of the PIN code, the LED indicator flashes 3 times
- Press the service button as many times as the value of the second digit of the PIN code, the LED indicator flashes 3 times
- Press the service button as many times as the value of the third digit of the PIN code, the LED indicator flashes 3 times
-Press the service button as many times as the value of the fourth digit of the PIN code, the LED indicator flashes 3 times
Activation of the service mode is announced by 5 beeps. Service mode is signaled by the LED indicator on the service button when the ignition is switched on. Default PIN code is (**4321**).

DEACTIVATION OF SERVICE MODE
Make sure the ignition is off. Enter the service PIN code using service button the same way as when activating. Deactivation of the service mode is announced by 5 beeps. Default PIN code is (**4321**).

VI. EMERGENCY DEACTIVATION
- Press and hold the service button for 2 seconds (until the LED indicator on the service button lights up). Release the button.
- Press the service button as many times as the value of the first digit of the PIN code, the LED indicator flashes 3 times
- Press the service button as many times as the value of the second digit of the PIN code, the LED indicator flashes 3 times
- Press the service button as many times as the value of the third digit of the PIN code, the LED indicator flashes 3 times
-Press the service button as many times as the value of the fourth digit of the PIN code, the LED indicator flashes 3 times, beeper beeps 2 times, system is deactivated. Default PIN code is (**4321**)

PIN CODE CHANGE
Changing of PIN code can be provided only at the installer. PIN code is written on owner's card. Default PIN code is (**4321**).

ONE-TIME DEACTIVATION OF ADDITIONAL SENSOR
To one-time deactivate additional sensors please follow:
- Press service button once within 30 seconds after Ignition is switched off
- Leave the vehicle and Arm the system.
Additional sensor is deactivated until next Ignition turn-on.

ALARM MEMORY
Even after disconnecting the power supply the Blade system maintains the state in which it was before disconnecting.

TECHNICAL PARAMETERS

Voltage	12/24V
Operating temperature of device	-40°C up to 80°C
Idle current draw*	< 3mA
Maximum current load of universal outputs	(12V-150mA)/(24V-75mA)
Maximum current load of siren output	**(+)** (12V-1A/24V-0.5A) **(-)** (12V-150mA/24V-75mA)

*without additional sensor