



SYSTEM DESCRIPTION

KEETEC TS 13 car alarm is designed for vehicles with 12V power supply. It is used to monitor doors, trunk and hood. The system is integrated ultrasonic sensor with adjustable sensitivity to the disruption inside the car-alarm response. After disruption of the optical system reports the alarm (directional light) and sound (siren) lights. When you turn the car alarm is activated the immobilizer, which interrupts the starter circuit and thereby preventing unauthorized starting of the vehicle. The car alarm is controlled by remote control, which also controls the central locking (if fitted in the vehicle).

REMOTE CONTROL DESCRIPTION

The system can be programmed in these types of remotes. Control system is the same for all remotes.

Note: RC KEY no function LOCK CHECK!



REMOTE CONTROL BUTTONS FUNCTIONS DESCRIPTION

BUTTON	FUNCTION	CONDITIONS
1	a: activation system and lock the central locking system b: vehicle Sound Search c: end alarm d: lock central locking	deactivated system activated system induced alarm ignition ON
2x 1 in 3sec.	omission of ultrasonic sensors	ignition off, deactivated system
3x 1 in 3sec.	omission of additional ultrasonic sensors	ignition off, deactivated system
2	a: deactivated system b: unlock central locking c: end alarm	activated system ignition on induced alarm
3 for 1sec.	open trunk	ignition off
2x 3 in 1sec.	To activate the "LOCK CHECK (check the last push button on the remote)	Always (only RC 380)
3+1 for 2sec.	a: on the "LOCK CHECK" b: off the "LOCK CHECK"	the "LOCK CHECK is OFF" the "LOCK CHECK is ON"
3+2 for 1sec.	a: anti hijacking system b: end anti hijacking system	ignition on activated anti hijacking system
1+2	Emergency panic alarm	always
4	To activate the "LOCK CHECK (check the last push button on the remote)	always (RC MAX only)
4 for more than 1 sec.	Lighting up the LEDs on the front of the remote control	always (RC MAX only)
1+4	Adjusting the length of the LED diodes in the press	always (RC MAX only)

I.SYSTEM FUNCTIONS

SYSTEM ARMING

- push button **1**. Siren will sound for 1x or will not. (see programme menu F11)
- direction lights will flash 1 time
- central locking will lock and the immobilizer will alarm
- after 5 or 30 sec. (see programme menu F3) the system is armed. LED diode flashes slowly. All sensors are armed. If one of the sensors is breached within 5 or 30 seconds, system will ignore it until it's calmed down.
- if doors or hoods aren't closed within 5 or 30 sec., siren will sound 4x, if trunk isn't closed within 5 or 30 sec., LED diodes flashes rapidly and siren will sound 2x.

SYSTEM DISARMING

- push button **2**
- siren will sound 2 times or will not. (see programme menu F1). If the siren will sound 4 times after the alarm is turned off, alarm was triggered while armed.
- direction lights will flash 2 times. If they flash 4 times after the alarm is turned off, alarm was triggered while armed.
- central locking will unlock and immobilizer will be disarmed.
- LED diode not lit up. If the alarm was triggered while armed, LED diode will signalize which sensor triggered the alarm by the number of flashes.

LED DIODE SIGNALIZATION AFTER ALARM WAS TRIGGERED

2 flashes - an additional sensor	5 flashes - trunk
3 flashes - door contacts	6 flashes - ignition
4 flashes - engine compartment	

EMERGENCY PANIC ALARM

- every time you push buttons **1** and **2** together, siren will sound and direction lights will flash for 30 seconds
- by pushing the button **1** or **2** the emergency panic alarm will deactivate

VEHICLE SEARCH

- alarm must be turned on
- push button **1**. Siren will sound 1 time and direction lights will flash 10 times
- push buttons **2** to finish vehicle search and turn off the alarm

ANTI CAR-HIJACKING MODE

- if the ignition is turned on and all doors closed, push together buttons **3** and **2** for 1 second and open the doors within 8 seconds. You will activate anti car-hijacking mode. If you do not open the doors within 8 seconds, anti car-hijacking mode won't be activated.
- after closing the doors, 30 seconds countdown will begin. LED diode will start to flash rapidly.
- after 30 seconds siren will sound every 2 seconds. After 20 seconds, the siren will sound nonstop and direction lights will flash until the ignition is turned off. Immobilizer circuit will be interrupted.
- you can deactivate anti car-hijacking mode by pushing buttons 3 and 2 together for 1 second or by emergency disarming.

2-STAGE SHOCK SENSOR

- siren will sound 1 time and direction lights will flash 1 time if the shock is weak
- alarm is triggered if the shock is strong. Siren will sound for 30 seconds and the direction lights will flash for 30 seconds. Maximum number of alarms triggered by shock sensor is 8.

OPENING THE TRUNK

- push button no. **3**, you will activate output (300mA) for opening the trunk for 0,5 second
- if the trunk is opened, The system automatically omitted from the monitoring ultrasonic sensor, additional sensor input and touch the trunk. 4 seconds after closing the boot the system also monitors the sensors and input.

FUNCTION LOCK CHECK FOR RC 380

- push-button **1 + 3** switch on / off "LOCK CHECK (check the last push button on the remote). Enabling this function is signalized by a green flashing LED on the remote control. Turn off the flash of red. The production of this feature is set as disabled.

- press button **2** for 3 seconds to one and activate the "LOCK CHECK (check the last push button on the remote). Each button is indicated flashing red LED. Then the green LED blinks once or twice, depending on whether you last pressed the button **1** (1x green flashes) or button **2** (2 flashes green)

FUNCTION LOCK CHECK - MAX RC

This feature allows the user to determine which button on the remote control pushed last. This is a key lock, unlock, and the user can check the exit tap the lock on the vehicle. CHECK LOCK function is optional and registration is disabled. Activate the current function by pressing buttons 1 and 3 to 2 seconds. When activated, the icon will flash once for lock and unlock and deactivate the function twice. If the function is activated, the last button pressed you will find a short pressing button **4** When the button is pressed for 0.8 seconds. Lights lock or unlock icon, depending on which button was pressed last.

Attention: When you activate the LOCK CHECK battery life is shortened in the driver.

LOW BATTERY DRIVER - RC MAX

If the push button to lock or unlock the blue flashing battery icon is in the remote battery capacity is weak and needs to be replaced.

TURN LIGHTS - RC MAX

Pressing more than **4** to 1 second, the high intensity LED lights on the front of the driver. LED lights up, you keep the button pressed and after a set period of time off, although still holding the button pressed. The length of how long the push button LED lights, can be set.

ADJUSTING THE LENGTH OF THE LIGHT SWITCH ON THE RC MAX

Time how long it has an LED light, can be set from 1 to 30 sec. Or without any time limitation. Simultaneously press buttons **1** and **4** to 1 second. The red LED for 3 seconds. After the extinction of the flashes in one second intervals. During this time, press button **4** for such a long time (up to 30 seconds), how long you want to hold to the light shining. If you press the button during a flash, period lighting will be limited. Programming time is 30 seconds. stops automatically.

LOCKING THE CENTRAL LOCKING IF THE IGNITION IS TURNED ON

- if you push button no. **1**, when the ignition is turned on, central locking will lock
- by pushing the button no. **2** central locking will unlock

AUTOMATIC CENTRAL LOCKING CLOSE WHEN THE IGNITION

If you have this feature enabled, the system automatically 20 seconds after the ignition lock the central locking. After turning the ignition off central locking unlocks.

AUTOMATIC REARMING

- if you don't turn the ignition on or open the door within 20 seconds after disarming the alarm, it will be automatically rearmed. Central locking will lock after rearming, if function F14 is turned on.

AUTOMATIC ARMING AFTER CLOSING LAST DOOR

- after turning off the ignition and closing the last door, car alarm will automatically turn on after 30 seconds. Central locking will lock, if function F14 is turned on
- if you open the doors within 30 seconds after closing the last door, car alarm will turn on 30 seconds after closing them

ALARM MEMORY

- if a power out occurs, car alarm will remember it's state before the power was lost

IMMOBILIZER

Po zapnutí autoalarmu je imobilizační výstup aktivní až do vypnutí autoalarmu.

AUTO CIRCUIT IMMOBILISATION

When enabled (F12), immobilization circuit is automatically activated after 5 minutes of ignition. Immobilization ring off by pressing the **2** or the same procedure as for the deactivation of emergency.

AUTOMATIC ARMING AFTER TRIGGERED ALARM

When the alarm is triggered, siren will sound for 30 seconds. After that, system stays armed. If the input that triggered the alarm disturbed after 30 seconds, the system automatically passes until they become calm..

SIREN AND DIRECTION LIGHTS WHEN ALARM IS TRIGGERED

If the alarm is triggered, siren will sound and direction lights will flash for 30 seconds. Alarm triggered from doors, hood, trunk and shock sensors can repeat up to 8 times. After turning the alarm off and on, it can be triggered 8 times. Alarm triggered by turning on the ignition is not limited. Siren will sound until the ignition is turned off.

II. PROGRAMMING THE SYSTEM FUNCTIONS

PROGRAMMING TABLE

Prog. menu	Function	Factory settings 1 tone of siren	Adjustable 2 tones of siren
F1	silent / acoustic arming	silent	acoustic
F2	lock the central locking when turning the ignition on	off	on
F3	input arming delay	5 sec	30 sec
F4	system arming reminder	off	on
F5	door contacts input polarity	"-" input	"+" input
F6	double locking impulse	off	on
F7	double unlocking impulse	off	on
F8	sequential output polarity	"-" output	"+" output
F9	sequential output type	sequential	normal
F10	burst mode output	default	learning
F11	anti car-hijacking mode	on	off
F12	automatic activation of immobilization area (5 minutes)	off	on
F13	unlocking time	0,5 sec	3,5 sec
F14	locking time	as unlocking	20 sec
F15	automatic arming after closing the last door	off	on
F16	locking the central locking after automatic arming	off	on
F17	siren output	siren	horn
F18	security mode	off	on
F19	automatic rearming	on	off
F20	output nr. 1	open trunk	pager
F21	output settings door contacts	doors contacts	directional control lights
F25	system reset	reset	

FOLLOW THIS WHEN PROGRAMMING FUNCTIONS:

1. Activate the valet mode and turn on the ignition
2. Push the valet button 7 times within 10 seconds, turn off the ignition, LED will start to flash
3. Push the valet button within 20 seconds so many times, that corresponds to the number of the function you want to set up. Siren will sound after each push of the valet button. If the number is greater than 10, hold the valet button for over 3 seconds and then continue pushing the button each time above 10. For example if you want to set up function 13, hold the valet button over 3 seconds, release the button (siren will sound 2 times) and then push the valet button 3 more times (siren will sound 1 time after each push). After turning the ignition on, siren will sound 1 or 2 times, depending on which setting was set. If you want to set up function no.25, hold the valet button for over 3 seconds. After releasing the siren will again sound for 2 times. Push the valet button 5 times (siren will sound after each push).
4. Turn the ignition on. Siren will sound 1 or 2 times, depending on which setting was set.
5. You can finish programming by turning the ignition on and pushing the valet button one time. System is now in valet mode

III.VALET MODE

- 1.Turn the ignition on and push the service button 2 times within 8 seconds
- 2.Turn the ignition off. If the security mode is not active, siren will sound 2 times and LED diode will glow permanently. Valet mode is now active. If security mode is active (function F16), LED will start to flash slowly. Enter the security mode. If you've entered correct PIN code, siren will sound 2 times and LED will glow permanently. Valet mode is now active.

DEACTIVATING MODE

Turn the ignition on a push the service button 2 times within 8 seconds. Turn the ignition off. Siren will sound 2 times and LED will stop glow. Valet mode is now deactivated.

IV. ENTERING THE SECURITY MODE

You will enter security mode by entering the 4 digit PIN code. If the security mode is active (function F16). Led will start to flash slowly when programming.
- if the LED will flash so many times which is the value of first PIN number, push the service button one time. LED will start to flash again.
- repeat this process for the second, third and fourth PIN number.

V. CHANGE THE PIN CODE

1. Turn the ignition on
2. Push the valet button 10 times within 10 seconds.
3. Turn the ignition off. If the security mode is turned off, siren will sound 1 time and will be in PIN programming mode. If the valet mode is active (function F16), LED will start to flash slowly. Enter the security mode. If you entered the correct PIN code, siren will sound one time and LED will stop glowing. You are now in PIN programming mode.
4. Push the valet button. LED will start to flash slowly and you can enter new PIN code.
- when the LED flashes so many times, which is the new value of first PIN code number, push the valet button one time. First code number is saved and LED will start to flash again.
- repeat this step for the second, third and fourth PIN code number.
- 5 seconds after entering the fourth code number LED diode will show the new PIN code with the number of flashes with 2 seconds pause between every code number.
5. Turn the ignition on or wait for 10 seconds after showing the new PIN code and system will automatically end the PIN code programming mode.

RESETTING THE PIN CODE

Disconnect the system from power supply. Disjoint the jumper in control unit and connect the system to the power supply. Within 3 seconds connect the jumper to the control unit. PIN code will be set to factory default number 4321.

VI. REMOTE CONTROLLERS LEARNING

1. Turn the ignition on and push the valet button 5 times within 8 seconds. Turn the ignition off. If security mode is inactive, siren will sound 5 times and system will switch to programming mode. LED will start to flash rapidly. If security mode is active, LED will flash slowly. Enter the security mode. If you entered the correct PIN code, siren will sound 5 times and you have successfully entered the programming mode. LED will start to flash rapidly.
2. Push any button on the remote control within 5 seconds. If you don't push any button or if you turn off the ignition, system will automatically finish the programming.
3. Siren will confirm programming the remote with a short sound. Depending on which remote was programmed, so many times will the siren sound. Programming the first remote will be confirmed with one beep, second remote with two beeps and third remote with three beeps.
4. If you want to program new remote, you have to program also any other remotes, which are already programmed in system.
5. System allows to program a maximum of 3 remotes. When programming new remotes, older ones will be automatically erased from system.

VII.EMERGENCY DISARMING

1. Open the doors and turn the ignition on.
2. Push the valet button so many times, which is the value of the first number in PIN code within 8 seconds and then turn of the ignition. If the security mode is turned of, siren will sound 2 times, direction lights will flash 2 times and system will be disarmed. If the security mode is armed, LED will start to flash slowly. Enter the security mode. If you have entered correct PIN code, siren will sound 2 times and direction lights will flash 2 times. System will be disarmed.