



SYSTEM DESCRIPTION

KEETEC TS 10 car alarm is designed for vehicles with remote central locking system and with 12V power supply. It is used to monitor doors, trunk and hood. After disruption system indicates the alert by optical signalisation (directional lights) and sound signalisation (siren). When car alarm is turned on, immobilizer is activated too, which interrupts the starter circuit and thereby prevents unauthorized starting of the vehicle. Car alarm is controlled by RC, which is used to control central locking system, too.

DESCRIPTION OF BUTTONS FUNCTIONS OF RC

BUTTON	FUNCTION	CONDITION
	a: system activation and locking central lock system b: vehicle search by sound signals c: alarm termination d: remote lock of central locking system	system deactivated system activated triggered alarm ignition switched ON
2x within 3sec.	omission of additional sensor	ignition switched OFF, system deactivated
	a: system deactivation b: unlock central locking system c: alarm termination	system activated ignition switched ON triggered alarm
for 1sec.	trunk open	ignition switched OFF
* for 1sec.	trunk open	ignition switched OFF (only RC KEY)
+	emergency panic alarm	always
+ for 2sec.	a: turn on „LOCK CHECK“ function b: turn off „LOCK CHECK“ function	„LOCK CHECK“ function is OFF „LOCK CHECK“ function is ON
	activation of the „LOCK CHECK“ function (check the last pushed button on the remote control)	always (only RC MAX)
for more than 1sec.	light up a LED in the front of the remote control	always (RC MAX, RC METAL)
for more than 1sec.	light up a LED in the front of the remote control	always (RC LINE)
+	adjust the length of lighting when button is pressed	always (only RC MAX)
	vehicle searching	always (only RC MOTO)
for 1 sec.	emergency panic alarm	always (only RC MOTO)

Note: Lock check function is available only at RC MAX remote controls!

I. SYSTEM FUNCTION CAR ALARM ACTIVATION

- press button .
- siren sounds once or doesn't sound (see programming menu F11).
- turning lights flashes once and central locking system will be locked.
- after 8 or 40 sec. (see programming menu F3) is system activated. LED diode flashes slowly. All sensors are active. If the one of the sensors get triggered until 8 seconds, system skip it automatically unless it is at rest again.
- if doors or hood are no closed within 8 or 40 seconds, siren sounds 4 times.

CAR ALARM DEACTIVATION

- press button .
- siren sounds 2x or doesn't sounds (see programming menu F1). If siren sounds 4x after alarm deactivation, the alarm was triggered during guarding.
- turning lights flashes 2x. If they flashes 4x, the alarm was triggered during guarding.
- central locking system will unlock and immobilizer will be deactivated
- LED diode is turned OFF. If there was an alarm during guarding, LED diode signalized which input was triggered by flashes:
2 flashes - alarm of additional sensor
3 flashes - alarm of door contacts
6 flashes - alarm of turning ON the ignition

EMERGENCY PANIC ALARM

- every time, when you press and simultaneously, siren will sound and turning lights will be flashing for 30 seconds
- by pressing button or you will deactivate emergency PANIC alarm
- Note:** on remote control RC MOTO, PANIC alarm can be activated by same way or by pressing the button for 1 second.

VEHICLE SEARCHING

- car alarm must be turned ON
- press button . Siren sounds once and turning light flashes 10x
- by pressing button vehicle searching function will be deactivated and car alarm will be turned OFF
- Note:** on remote control RC MOTO, vehicle searching can be activated by same way or by shortly press of the button.

FUNCTION "LOCK CHECK" (RC MAX)

This function allows you to check which button was pushed last time. Buttons for locking and unlocking can be checked and therefore user can check, whether he locked the car or not. LOCK CHECK function is optional and turned off from factory. You can activate the function by holding buttons and together for two seconds. When activating, icons for locking and unlocking will blink once. When deactivating, they will blink twice. If the function is activated, you can check the last pushed button by briely pushing button . After that the icon of locking or unlocking will light for aprox. 0,8 sec, depending on which button was pushed last time.

Warning: When the LOCK CHECK function is activated, battery life will be shorter.

LOW BATTERY INDICATOR ON THE REMOTE RC MAX

If the battery indicator will flash in blue colour when locking or unlocking vehicle, the battery in remote control is weak and you have to replace it with new one.

TORCH FUNCTION ON RC MAX, RC METAL, RC LINE

By holding button on remote control RC MAX, RC METAL and button on RC LINE for more than 1 sec, high power LED in front of the remote will light up. LED will light as long as you hold the button or for a specified time, even if you hold the button longer (only RC MAX). The time how long the LED can glow is adjustable (only RC MAX).

LED LIGHTS DURATION SETTING ON RC MAX

Duration of LED light can be adjusted from 1 to 30 sec or without limit. Push buttons and together for 1 sec. Red LED will flash for 3 sec. After those 3 sec, the LED will start to flash in 1 sec intervals. Press the button for as long as you wish the light to be switched on (max. 30 sec). If you don't press any button, light duration will be unlimited. Duration programming will automatically end after 30 sec.

TRUNK OPEN

- press button for 1 sec. (on RC KEY press *). Output (- 300 mA) for trunk opening will be activated for 0,5 sec
- if trunk is open, system automatically skip door contacts from sensing. After closing trunk, door contacts will be sensing again with delay.

LOCKING THE CENTAL LOCKING SYSTEM WITH SERVICE BUTTON

- when ignition is turn ON/OFF press the service button for lock/unlock the central locking system (F20)

AUTOMATIC REACTIVATION

- if you don't turn ignition off or don't open the door after deactivation of car alarm, system activates itself after 30 seconds automatically. Function F16 must be turned ON. If function F14 is activated, central locking system locks after reactivation.

AUTOMATIC ACTIVATION AFTER CLOSING LAST DOOR

- car alarm will be activated automatically after 30 seconds (F13) after turning the ignition OFF and closing the last door. If function F14 in active, central locking system will be locked.
 - if you open door within 30 seconds after closing last door, car alarm will be activated after 30 seconds after closing them

CLOSING CENTRAL LOCKING SYSTEM AFTER AUTOMATIC ACTIVATION

If functions F13 and F14 are active, after automatic activation and closing the last door central locking system locks automatically.

CAR ALARM MEMORY

- car alarm even after disconnecting the power supply maintains the state in which it was before disconnecting.

IMOBILIZER

- after car alarm is turned on, immobilization output (-300 mA) is active until alarm is turned off again. Function F10 must be set to "imobilizer"

AUTOMATIC ACTIVATION 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 is still disturbed after 30 seconds, the system automatically ignore it until input become calm.

SIREN AND DIRECTIONAL LIGHTS WHEN ALARM IS TRIGGERED

When alarm is armed and is triggered by some of the inputs, siren sounds and directional lights flashes for 30 seconds. Alarm triggered by door contacts can be repeated 8 times. After disarming and arming the system, alarm from door contact can be repeated 8 times again. Alarm triggered by turning ignition ON can be triggered infittely times. Siren sounds until ignition is turned on.

II. SERVICE MODE

1. Turn ON ignition and press the service button 2x within 8 seconds.
2. Turn ignition OFF. If security mode is not active, siren sounds 2x and LED diode lights permanently. Service mode is activated. If security mode is active (function F15), led diode starts flash slowly. Enter the security mode. If you entered right PIN code, siren sounds 2x and LED diode lights permanently. Service mode is active.

Deactivation of service mode

- turn ignition ON and press the service button 2x within 8 seconds
- turn ignition OFF. Siren sounds 2x and LED turns off. Service mode is deactivated.

III. ENTERING THE SECURITY MODE

DoYou will enter to security mode by entering the 4 digit PIN code. If the security mode is active (F15), 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.
 - if the LED will flash so many times which is the value of second PIN number, push the service button one time. LED will start to flash again.
 - if the LED will flash so many times which is the value of third PIN number, push the service button one time. LED will start to flash again.
 - if the LED will flash so many times which is the value of fourth PIN number, push the service button one time.

IV. PROGRAMMING OF SYSTEM FUNCTIONS

Programming table

Prog. menu	Function	Factory settings 1 tone of siren	Adjustable 2 tones of siren
F1	silent / acoustic arming acoustic	silent	acoustic
F2	lock the central locking system when turn ON ignition	off	on
F3	input activation delay	8 sec.	40 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	"-" input	"+" input
F9	output for directional lights	normal	sequential
F10	programmable output	opening trunk	immobilizer
F11	unlocking time	0,5 sec.	3,5 sec.
F12	locking time	same as unlocking	20 sec.
F13	automatic activation after closing last door	off	on
F14	closing the central locking system after automatic activation	off	on
F15	security mode	off	on
F16	automatic reactivation	on	off
F17	siren output	siren "+"	horn "-"
F18	siren type	normal	coded
F19	optical signalisation at activation/deactivation of car alarm	on	off
F20	locking/unlocking by pressing service button when ignition is turned ON	on	off
F25	system reset	reset	

Follow this steps when programming functions:

1. activate service mode and turn ignition ON
2. push service button 7x within 10 sec.
3. turn ignition OFF, LED will start flash.
4. 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. For example if you want to set up function 13, press the valet button (siren sounds once) and hold it for over 3 seconds (siren will sound 2 times), then release the button. Press 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 F25, press the valet button for over 3 seconds.

- Release the button and siren sounds 2 times. Push the valet button again 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).
- 5. Turn the ignition on. Siren will sound 1 or 2 times, depending on which setting was set.
- 6. You can finish programming by turning the ignition on and pressing the service button for one time. System is now in service mode.

V. PIN CODE CHANGE

1. Turn on the ignition and push the valet button 10 times within 10 seconds.
2. Turn the ignition off. Enter security mode. If you entered correct PIN code, siren will sound 1 time and LED diode lights no longer. Now you are in PIN programming mode.
3. Push the service button once and LED starts flashing. Now you can enter a new PIN code.
 - if the LED will flash so many times which is the new value of first PIN number, push the service button one time. First PIN number is saved. LED will start to flash again.
 - if the LED will flash so many times which is the new value of second PIN number, push the service button one time. Second PIN number is saved. LED will start to flash again.
 - if the LED will flash so many times which is the new value of third PIN number, push the service button one time. Third PIN number is saved. LED will start to flash again.
 - if the LED will flash so many times which is the new value of fourth PIN number, push the service button one time. Fourth PIN number is saved.
 - 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 number.
5. Turn the ignition on or wait for 10 seconds after showing the new PIN code and system will automatically ends the PIN code programming mode.

PIN CODE RESET

Disconnect the power supply of system. Disconnect the jumper in the unit of the control system and connect to power. Connect the jumper in the control unit within 3 seconds. PIN code is reset to factory setting - 4321.

VI. PROGRAMMING REMOTE CONTROLS

1. Turn ON ignition and press the service button 5x within 8 seconds. Turn ignition OFF. If security mode is not active, siren sounds 5x, system activates the programming mode and LED starts flash fast. If security mode is active (Function F15), LED diode starts flash slowly. Enter the security mode. If you entered the right PIN code, siren sounds 5x and now you entered to programming mode. LED diode starts flash fast.
2. Press any button on RC within 5 seconds. If you don't press any button within 5 seconds or you turn the ignition OFF, system automatically ends programming.
3. Siren confirms programing of RC by short beep. In addition which controller has been programmed, so many siren sounds. Correct programming of first RC is signalized by one beep, correct programming of second RC is signalized by two beeps, etc.
4. If you want to program new RC, old RCs must be reprogrammed, too.
5. System allows you to program max. 3pcs of RC. When programming new RCs, system automatically delete old RCs.

VII. EMERGENCY DEACTIVATION

1. Open door and turn ignition ON.
2. Push service button so many times, which is value of the first number of PIN code within 8 second and turn ignition OFF. If security mode is disabled, siren sounds 2x, directional lights flashes 2x and system will be deactivated. If security mode is active (function F15), LED diode starts flashes slowly. Enter the security mode. If you entered right PIN code, siren sounds 2x and directional lights flashes twice. System is deactivated.

Note: RC operating in a band 433,92 MHz is part of the TS10. Please ask you dealer for declaration of conformity.