

SYSTEM DESCRIPTION

The KEETEC MISTRAL MAX² is a car alarm designed for vehicles with 12 V supply voltage and is used to monitor the doors, trunk, hood, ignition switch and security loop. In case of their disruption, system is reporting alarm by optical and audible (siren) signalling. The system includes shock sensor with adjustable sensitivity, that in case of impact of vehicle reacts with alarm. When car alarm is activated, the system automatically blocks the starter circuit. The car alarm includes two AUX output, central locking outputs and trunk released output, too.

I. DESCRIPTION OF REMOTE CONTROLLER

Remote controller function

Button	Symbol	Function	Condition
1		Arm and Lock	Disarmed
		Car finder	Armed
		Stop alarm temporarily	Siren sounding
		Door Lock	While driving
3		Disarm and Unlock	Armed
		Door Unlock	While driving
		Stop alarm temporarily	Siren sounding
2		Remote trunk release for 3 seconds	Anytime
		Stop alarm temporarily	Siren sounding
1+3 (5)		PANIC - press button for 3 seconds	Anytime
3+2 (4)		Activation of AUX1 output	Anytime
1 then 2		Arming with bypassed sensors	Disarming



II. SYSTEM OPERATION

INDICATION BY STATUS LED

The status LED can indicated following condition of system:

Slowly flashing	System arming
Quickly flashing	Alarm is triggered, Auto rearming countdown, Last door arming countdown
Permanently ON	Valet mode
Turn OFF	System disarming

ARMING

Condition: Disarmed

- Press the button .
- Siren will chirp once (optional setting) and lights will flash once.
- Doors will lock, immobilization circuit (start-kill output) will activate.
- LED will flash slowly to confirm the system is armed. If any door is open during arming, the siren chirps 5 times, but the system will be armed anyway.

Sensor Temporary Bypass

The sensors can be bypassed temporarily until the next arming of the system; operations are as follows:

- Press the button to arm the system
- Within 3 sec. press button .

The sensors has been bypassed.

DISARMING

Condition: Armed

- Press the button .
- Siren will chirp 3 times (optional setting) and lights will flash 3 times.
- Doors will unlock and immobilization circuit turns off.
- When Auto rearming function is activated, LED will be flashing quickly for 30 seconds or until opening the door.

ALARM

If during arming mode is car attacked, siren will go off, lights will flash and pager output will be activated. You can select from 4 different types of siren sound to differentiate your car from the others (feature 5). To stop the sound of siren, press any button on remote controller. The systems will remain armed. To disarm system during alarm, press the button 2 times. Siren sounding up to 30 seconds.

If any of sensors is constantly triggering the alarm, can be automatically bypassed after determined number of alarms caused by this sensor. This sensor will be inactivated, while all other sensors remain active. If there will be alarm triggered by any other sensor, inactivated sensor will automatically activate again. Number of maximum consequent alarms triggered by one sensor is set in option 4.

LED DIODE SIGNALIZATION AFTER TRIGGERED ALARM

When disarming, if siren chirps 5 times (first one is longer), it means that during your absence alarm has been activated. After opening the door, LED will inform you by number of flashes reason of alerts (see table). LED will stop flashing after ignition will be turned ON.

Security loop	LED flashes 4 times
Shock sensor	LED flashes 5 times
Door	LED flashes 6 times
Ignition	LED flashes 7 times
Additional sensor	LED flashes 8 times
Trunk	LED flashes 9 times

PANIC

This function will activate alarm anytime needed.

Activation : Press the button or press the buttons and simultaneously for 3 seconds.

Deactivation: Press any button.

Note: When systems disarmed, door is locked and immobilization circuit turned on too.

LAST DOOR ARMING

If ignition is turned OFF and the door is opened and closed, system will enter arming mode automatically after predetermined time (feature 7). If during this period door or trunk is opened, countdown will reset. If you use the remote trunk release and pressing button the system monitors the trunk or door contact, but the countdown shall be interrupted until you open the trunk. Activation of the AUX outputs will not reset countdown of arming.

By pressing the button countdown will be cancelled. After this, arming is possible only manually by pressing the button .

AUTOMATIC REARMING

If within 30 seconds after disarming are not opened any door, trunk or ignition switched on, systems will automatically arm again. This function is optional (feature 17).

CAR FINDER

Can be used to find your car on the parking place.

Loud: When system is armed, press the button . Siren will chirp 5 times, and lights will flash 10 times.

DOOR OPEN WARNING

When the ignition is turned ON and the system is disarmed, the lights will flash 10 times to alert when door or trunk is opened. This function is optional (feature 18).

REMOTE TRUNK RELEASE

To activate remote trunk release press the button for 3 seconds. The duration of the output trunk is optional (feature 12). You can choose also whether using of remote trunk release cause disarming the system at the same time or not (feature 16).

REMOTE AUX1 ACTIVATION

To activate additional output AUX1 press the buttons and simultaneously or press the button **AUX**. Duration of AUX1 impulse can be set (feature 13).

PAGER OUTPUT

When alarm is triggered, pager output is activated at the same time. This output can be used for long distance pager, GSM pager or any other device.

III. SYSTEM INSTALLATION

Learning code of transmitter

It is possible to program up to 4 transmitters into the system. Follow the procedure below to program a new transmitter to the system. Please note that during programming mode all present remotes will be deleted from memory. Follow next procedure:

- When the system is disarmed, turn the ignition ON.
- Within 8 seconds, press the valet switch 5 times.
- Siren will chirp 2 times, you have entered the programming mode.
- Within 8 seconds, press any button on first transmitter.
- Siren will chirp once, lights flash once to confirm that first transmitter has been programmed to the system.
- The siren will chirp the number equal to number of learned transmitter.
- After programming of last transmitter Turn OFF the ignition.

All remote controllers you wish to use, must be programmed at the same time. If there was no remote programmed, old remotes will stay in system memory.

In case that remote controller is lost and you want to avoid its' abusing by someone who will find it, erase all programmed remotes from alarm memory. To do it, follow this procedure:

- When the system is disarmed, turn the ignition ON.
- Within 8 seconds, press the valet switch 5 times.
- Within 8 seconds turn the ignition OFF.
- All transmitters will be erased from the memory and system will enter valet mode.

For programming new transmitter, must exit valet mode at first.

Emergency disarming

If the transmitter becomes lost or non-functional, the system can still be disarmed by following procedure:

- System is armed or alarm is triggered (siren sounds).
- Enter the car and turn the ignition ON.
- Within 8 seconds, press the valet switch 5 times (default code).
- After 5 seconds, siren will chirp 4 times to confirm that system is disarmed.
- Turn the ignition OFF.

To exit from the emergency mode, press any button of transmitter.

Changing the code for emergency disarming

Default code for emergency disarming is 5. We recommend you to change this code after the installation of car alarm. Follow the steps below to change default code:

- When the system is disarmed, turn the ignition ON.
- Within 8 seconds, press the valet switch 9 times.
- Siren will chirp 4 times.
- Press valet switch according to your new code (1-9). Each pressing the button is confirmed by LED flash.
- After 8 seconds siren will chirp several times. Number of chirps is corresponding to the number of new code.
- Turn the ignition OFF.

Valet mode

The only feature operating in valet mode is the keyless entry function. Valet mode is useful when leaving your car in service. To enter valet mode follow this procedure:

- When the system is disarmed, turn the ignition ON.
- Within 8 seconds, press the valet switch 3 times.
- Siren will chirp once and the LED will be constantly on.
- Turn the ignition OFF.

To exit valet mode, repeat the same procedure.

During the valet mode car is not protected and immobilized by alarm !