

Car Alarm System Saturn

SATURN M6

1	Brown	ignition cut-off
2	Orange	door (+)
3	White	door (-)
4	White	door (-)
5	Yellow/Green	ACC
6	Blue	GND
7		
8		LED
9	Violet	additional channel
10	Grey	siren
11	Brown	ignition cut-off
12	Red/Black	unlocking normally closed
13	Blue/Black	unlocking common
14	Grey/Black	unlocking normally opened
15	Green	locking normally closed
16	Green/Black	locking common
17	Brown/Black	locking normally opened
18	Red	+12V power on
19	Yellow	indicator lights
20	Yellow	indicator lights

The second cable of the siren is connected to GND!



INSTALLATION MANUAL

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Installation of the central unit.

Always instal the central inside the car's compartment-at difficult of access and safety place. The level of temperature, vibrations and wetness must be minimum there. Comfortable places for mounting are under the panel,behind the drawer and other panels.

Cable connection

All system cables must be connected reliably to the corresponding cables of the car, by connectors or sticking and have to be isolated with qualitative izolirband or shrinkable folio. Take care to the connections to "ground".

Adjustment of the shock sensor.

To adjust the both zones of the shock sensor press N1 - you enter the self-test mode, press N2 for enetrng the special security mode. Press and hold the service button, then press button N1

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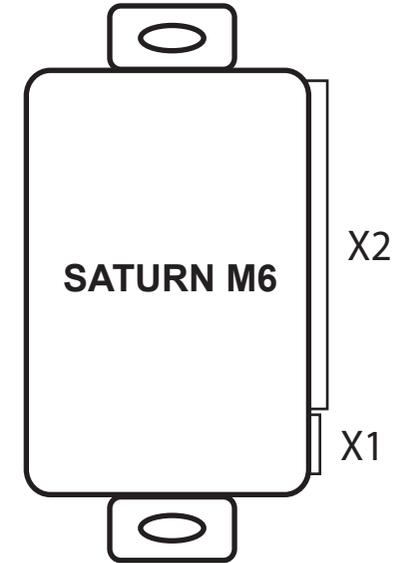
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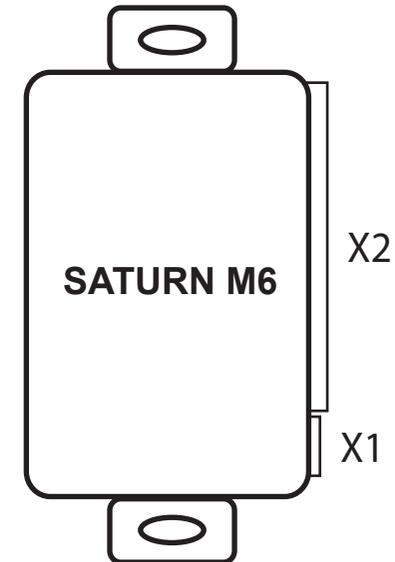
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stays in mode of learning of a new remote control transmitter.

Note:

- 1). When washing the car motor you risk to wet the siren. In such cases the guarantee of the alarm system is not valid.
- 2). If the transmission range of the remote control transmitter is too low, battery change is recommended.
- 3). The function programming should be done from a trained adjuster, on the contrary you risk to damage some electric modules in the car!

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again for leaving the self-test mode and entering the mode of programming the first shock sensor zone, release the service button .With N1 you increase the sensitivity and with N2 decrease it. The degrees of sensitiveness are 16 and when you reach the end of each corresponding direction the system produces a long tone. You can try the adjustment at any moment. By pressing of both buttons together you go to the second zone. Testing and adjustment you can do in the same way, but the most sensitive degree is equal to first zone. When you adjust the second zone and on a light strike on the car only the first zone is activated, the system produces just one short chirp. If the second zone of the sensor is activated , the system produces a long and short signal. To exit the mode of adjustment of the shock sensor press again the both buttons of the remote control together. At any moment on turning the ignition on by the key switch you leave the programming (adjustment) mode.

Programmable functions

To enter the programming mode press at first N1 - you enter self-test mode. Press and hold the service button, then press N1 again - you leave the self-test mode and can start programming the first function. Release the service button.

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1 – Sound1	yes
2 – Sound2	no
3 – Sound3	no
4 – Sound4	no
5 – Chirps1	yes
6 - Chirps2	no
7 – Chirps3	no
8 – Long blinkers	no
9 - Repeated self-activation	no
10 - Passive arming	no
11 - Current sensor	yes
12 - Warning for door ignoring	yes
13 - Double code	yes
14 - Disabling the immobilizer	no

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Additional channel

The pressing of button N3 activates the additional channel for the term of buttons' pressing, and supplies GNDI (up to 0.5A). If the system is in armed mode both shock and the current sensor are ignored (inactivated) for 30sec. The channel can be activated also by functions #17 and #18.

Learning mode of a new remote transmitter

Press and hold the service (VALET) button. The car ignition should be switched on and off 4 times, the system produces a signal and enters the learning mode, release the service button. Then press twice a button of the remote control transmitter that should be "learned", in that way you have learned it, the system produces a signal for disarming. If you want to erase all remote control transmitters, on entering the learning mode don't release the service button- after 10 seconds the system emits one signal and all remote control transmitters are erased - the system

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18. Pager channel - if the function is enabled and the channel is activated, when the system alarms, without warning - it is used for activation of additional devices - pager or GSM module. The activation by pressing button N3 proceeds in the same way - the device can be tested without alarming. If function#17 is enabled, both functions #17 and#18 work together - the additional channel will be activated in the test time and by the siren - that's why if it is necessary to use one of #17 or #18 functions.

19. Locking on turning the ignition on - in activation of this function the system gives a locking impulse on turning the ignition on and gives unlocking impulse on turning the ignition off.

20. Locking on passive arming - if the function is disabled the system will not give a locking impulse on passive arming (func=#10)but locks the car on arming by the remote control transmitter or by fuction #9. This function avoids the locking of your keys inside the car, but decreases the reliability.

21. Double unlocking - this function allows generating two impulses when unlocking. It is used in cars in which the first impuls unlocks only the drivers' door, and the second all others.

22. Disabling the current sensor in Special mode - when this function is allowed the currens sensor does not work in special mode - it is used when the car has problems with the electri-

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15 – Locking time (3.5/0.7cek) no

16 - Long lock no

17 - Channel for windows roll-up no

18 - Pager channel no

19 - Locking on ignition switching on no

20 - Locking on passive arming yes

21 - Double unlocking no

22 - Disabling the current sensor in Special mode no

If the function is switched off the LED lights on for a short interval and if it is switched on- the LED lights off for short. Function switching on is done with N1 and its switching off - with N2. A single function can be swithed on and off repeatedly, and the next function follows by short turning the ignition key on - the system emits one signal. If you hold the ignition key on for more than 3 sec., the system exit the pragromming mode. After function #22 or if you stay at one and same function for more than 30 sec, the system also leaves the programming mode by producing 3 signals.

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Functions description

1,2,3,4 - Different siren sounds. If they are allowed more than one, the systems alarms alternate. If any of sounds are allowed, only sound1 is working.

5,6,7 - Tones for arming and disarming

5 - Tones are with variable frequency

6 - Tones are with constant frequency

7 - Signalizing only with blinkers, no tones

If none of these functions are selected, the tones are strong and short - two for switching on, three for switching off, and one for accepted first code for disarming.

8. Long blinkers - if the function is enabled the blinkers lights 12sec. after system disarming, or till a door is opened or the ignition is turned on

9. Repeated self-activation - if the function is enabled the systems arms itself automatically 15sec. after disarming on condition that no door is opened and the ignition is not turned on. This way the system can't be disarmed by chance.

10. Passive arming- after closing the last door of the car the system produces a warning and

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arms in 15 seconds

11. Disables and enables the current sensor

12. Warning for discarding the doors -if the function is disabled the doors are ignored without any warning.

13. Double code - if the function is disabled the system can be disarmed only with button N1;

14. Disabling the immobilizer - if the function is enabled, the ignition will be automatically restored when you turn the ignition key on and if the system is disarmed;

15. Locking and unlocking impulse term - if it is "yes", the term is 3.5sec. for pneumatic locking.

16. Long lock - if it is "yes", the locking impulse term is 24 sec. as if it does not work while lock on ignition turning on is enabled. Also if the function is enabled the shock and current sensors are switched off for 30sec. after test time expiring.

17. Additional channel for windows roll-up control. If the function is allowed, the additional channel will supply GND during test period (20 sec.). During the rest of time the channel can be activated by pressing button N3 - you can roll-up electric car windows manually and automatically. If the function is enabled the shock and current sensors are switched off for 30sec. after test time expiring.

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