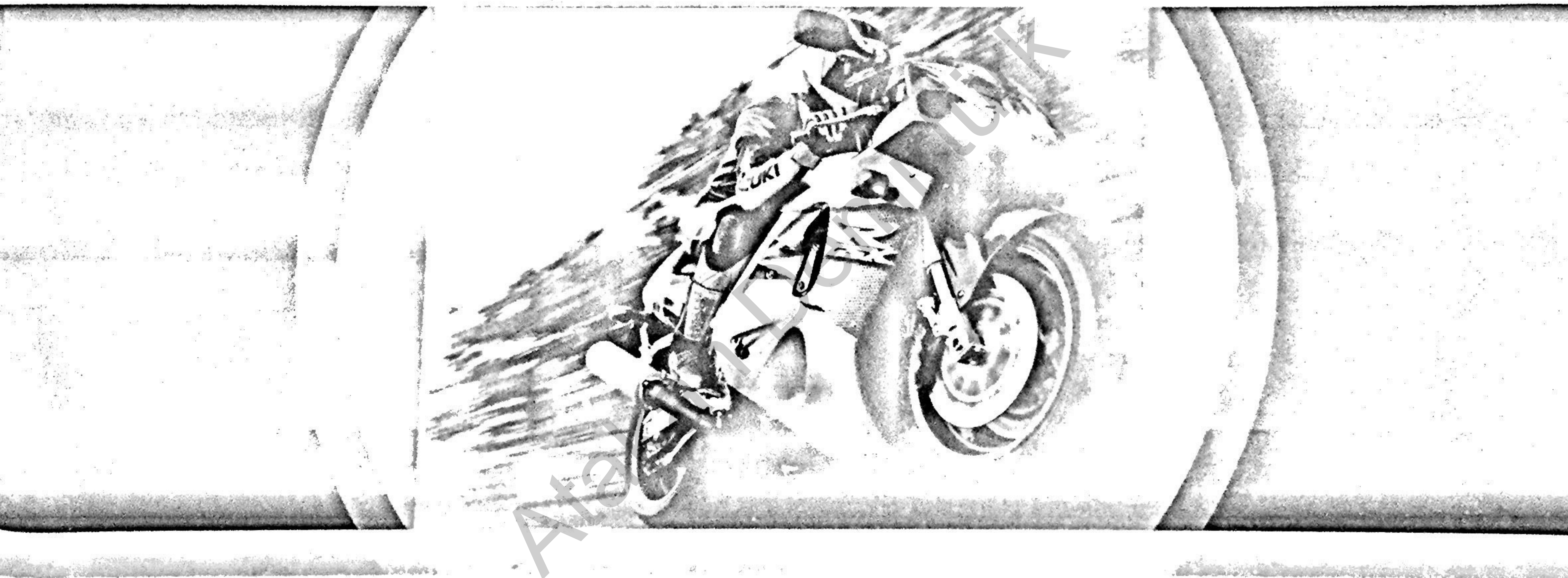


TWO-WAY MOTORCYCLE ALARM SYSTEM




USER MANUAL


It is recommended to read this manual carefully before using,
please keep it for future reference.


1. Functions

1.1 【Sound / flash arm】

Park the car and take Acc key off, press the button“

1. 2 【Silent arm setting】

Stop the car and take Acc key off ,press the button “

Press the button “

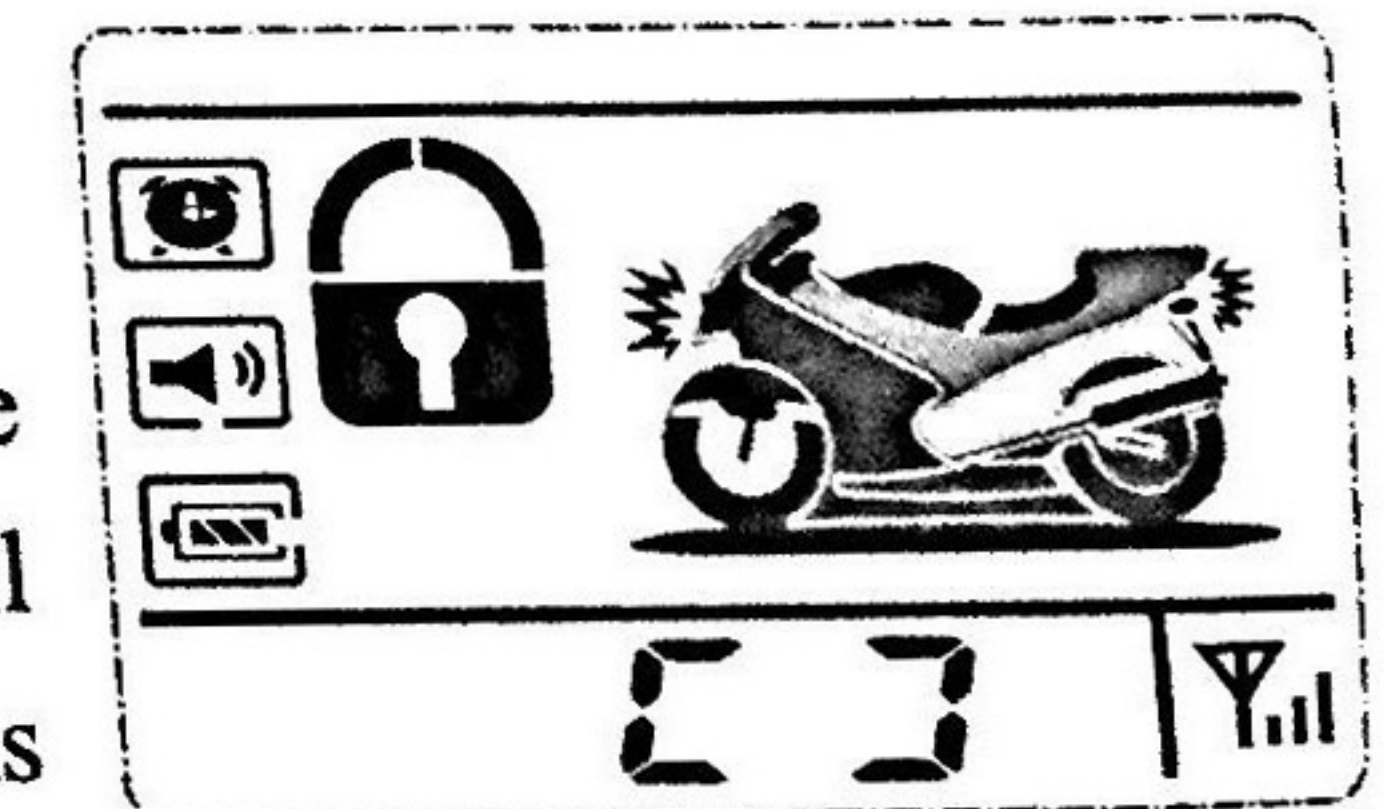
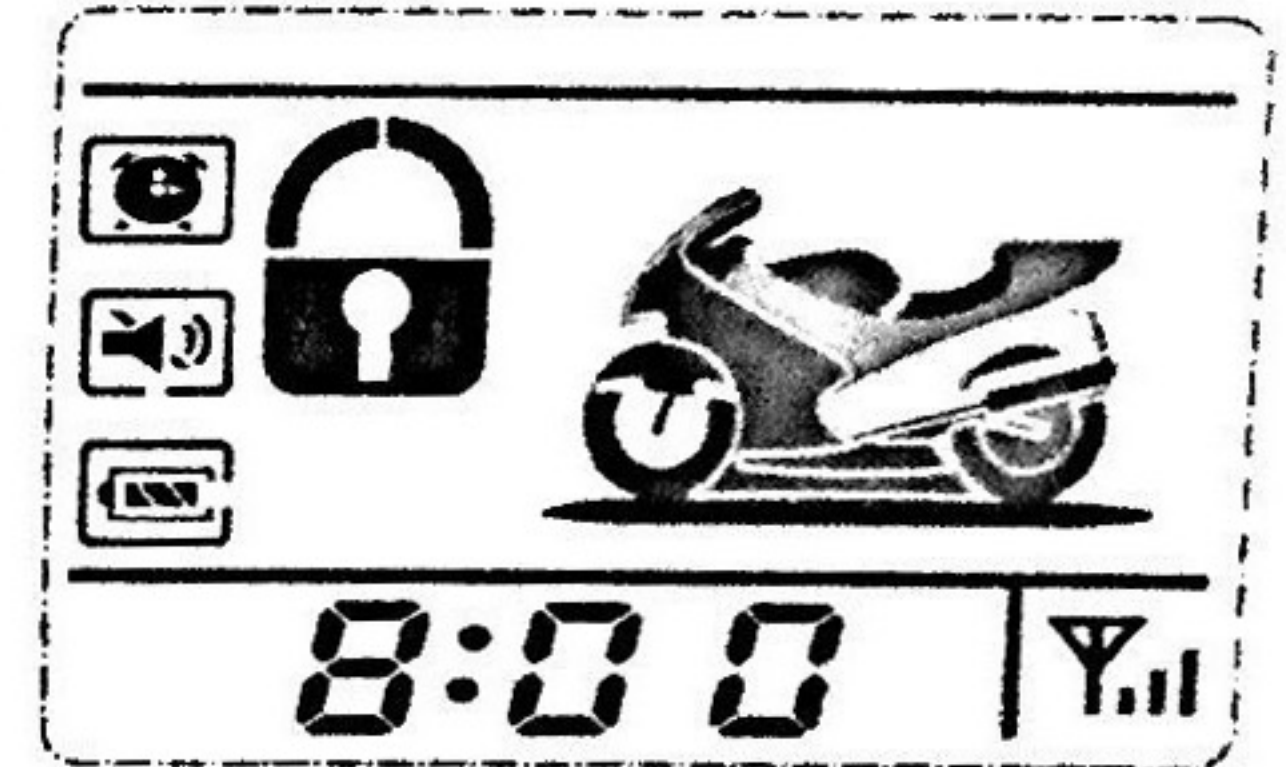
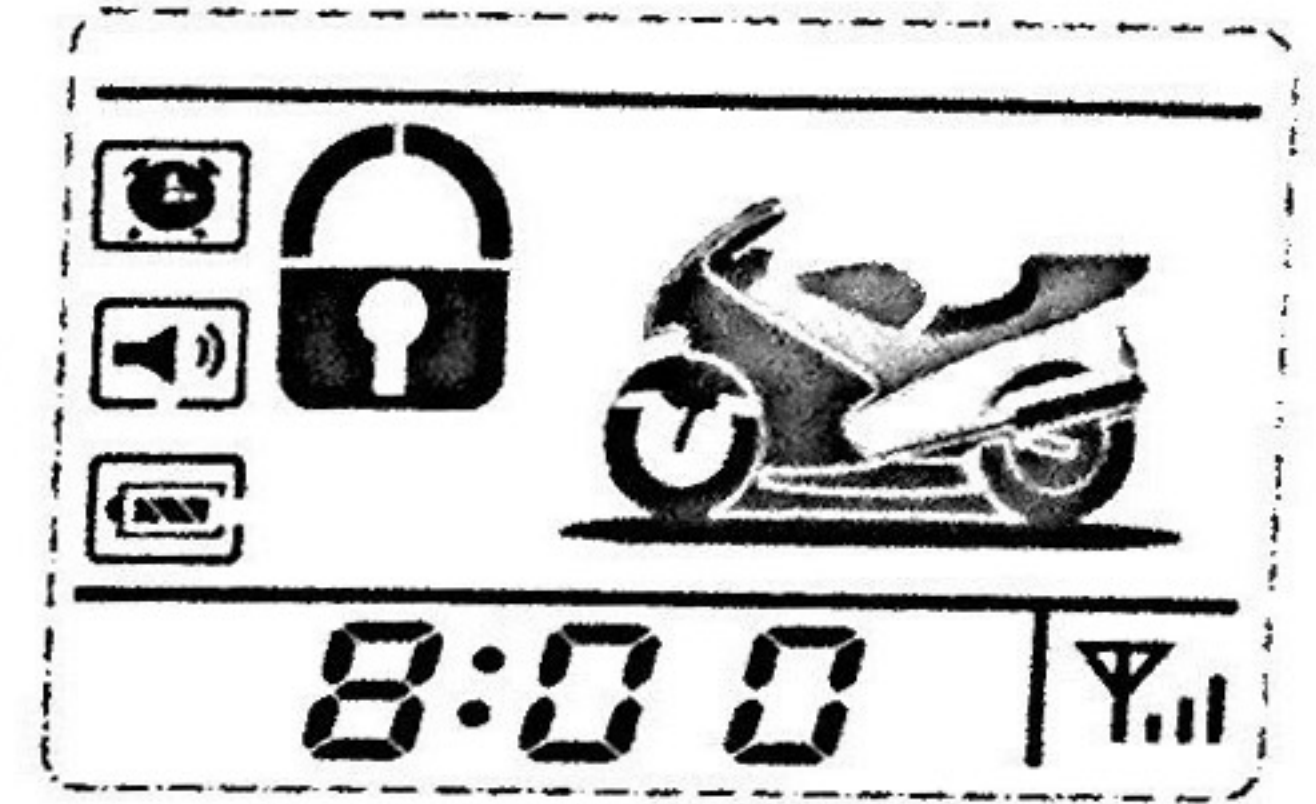
1. 3 【shock sensor】

In arm with sound and flash status, if it is triggered by hit in the firs time, the siren will chirp 5 times , and the engine will be locked. The flash lights will gleam at the same time. Then transmitter will vibrates for one time to remind and warn the car owner, and the shocking figure and flash lights icon on the transmitter will light on at the same time. The transmitter will alarm one more time in this way. If it is triggered again by hit within 10 seconds, then the siren will chirp loudly for 30 seconds with flash lights gleaming. The engine will be locked and the transmitter will make a sound like BI-BI-BI for 30 seconds, then vibrates for 8 times and the shocking figure and flash lights are on the transmitter. Then the alarm system will return to the previoius status.



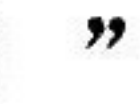
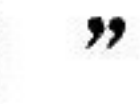
In silent arm status, the siren will not chirp and others are the same as arm with sound and flash.

1. 4 Microwave sensor(optional)

In arm, if somebody or object is moving around and is detected by microwave sensor for 5 seconds, the siren will chirp 5 times, the engine will be cut off and the flash lights will not gleam. the transmitter will remit a sound like Bi for 5 times. it is in arm at the first rate, the transmitter will make a sound like Bi for 5 times with vibration for one time to remind the car owner. The icons of headlight and “[] ” will light on. The background light is on. The transmitter will alarm



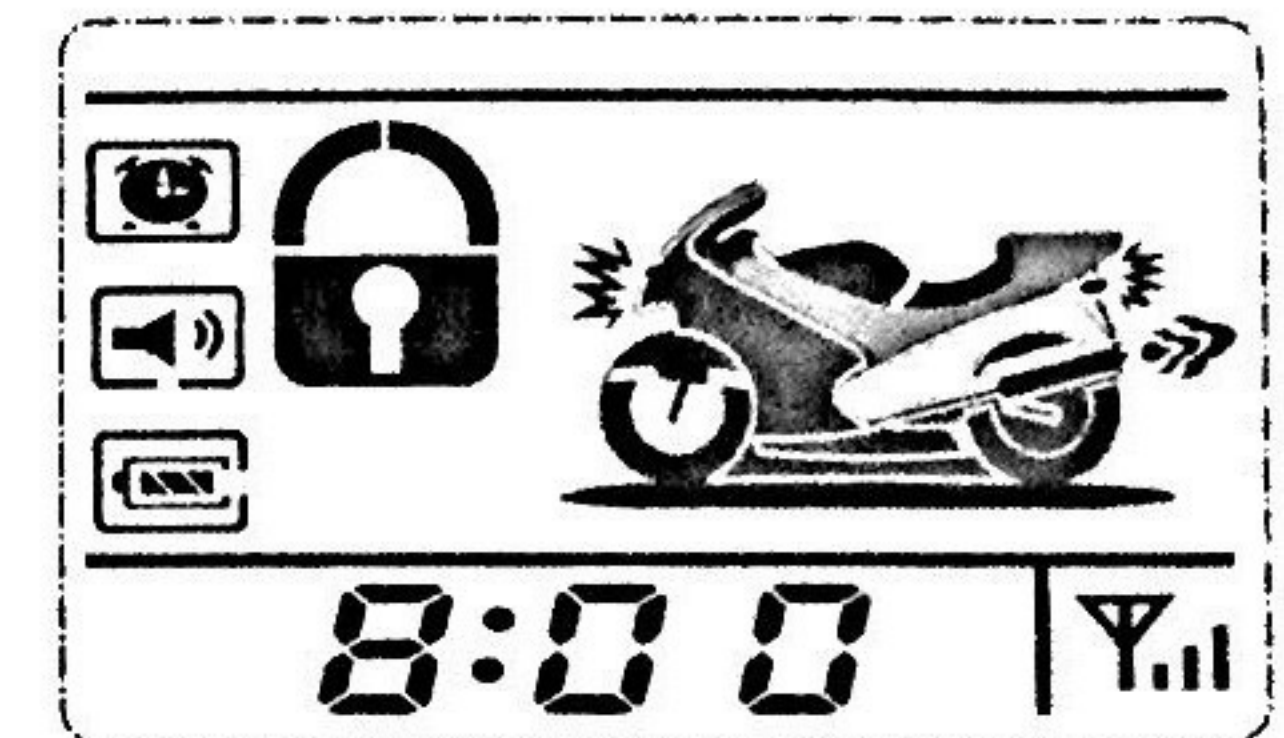
once. If moving of object or somebody is detected for 15 second by microwave sensor, then the engine will be cut off, the flash lights will gleam, the siren will chirp loudly for 30 seconds to remind and warn the car owner. The transmitter will emit a sound like Bi Bi Bi for 30 seconds, at the same time the icon of headlight and background light will light on, and the transmitter vibrates for 8 times.

In silent arm status, the siren will not chirp when the system is triggered. In disarm status, press the buttons “ ” or “ ”, to set arm mode (microwave) the icon of “ ” gleam means the microwave sensor is on. If the icon of “ ” does not gleam means microwave sensor is off.


If parking under raining outside, then the raining will be detected by microwave sensor and cause it to alarm. In this case, the microwave sensor should be shut down by transmitter to avoid false alarm. After the rain, it can be armed again.

1.5 【Illegal Acc. ON triggered】



In arm status, if Acc ON is triggered, the siren of system will chirp for 30 seconds, the flash light will gleam at the same time. The motorcycle is immobilized in this situation. To remind and warn the owner, the transmitter will make sound like Bi-Bi-Bi for 30 seconds and the icons of tail gas and headlight are light on. The transmitter will vibrate for 8 times. Then the alarm system will come back to the same status before alarming.



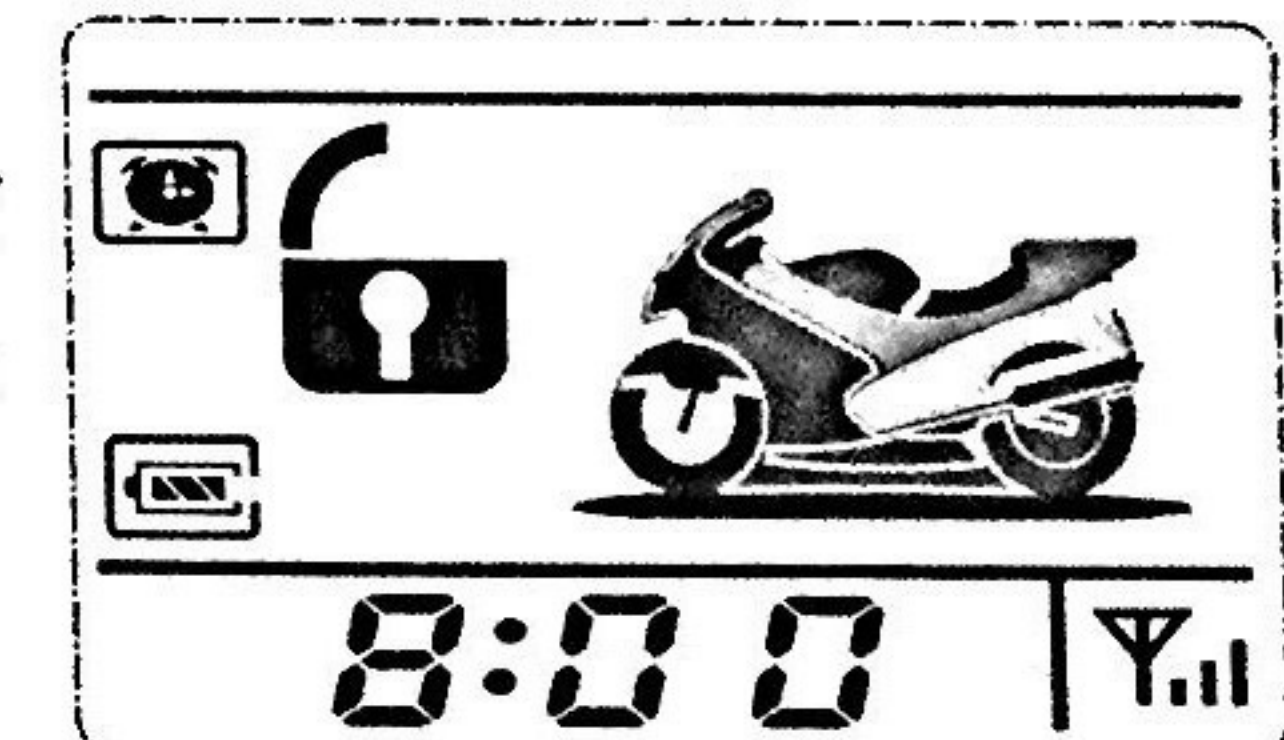
1.6 【Siren pause】

If the system is triggered to alarm, press the button “ ” to halt alarm. The alarm system will reset itself. It's available to pause 2 transmitters at the same time.

1.7 【disarm】

In arm with sound and flash status, press the button “ ” once to unlock the doors, the flash light of main unit will gleam three times, and the siren will make sound like DU DU. The alarm system is in disarm. The transmitter emits sound like BI. BI, meanwhile the icon “ ” will light on.


In silent arm, the siren will not chirp, others will be the same as sound and flash arm setting.




1.8 【Arm Reminding】

Stop the car and cut the engine off, if it is not arm for 8 seconds, the system will chirp Di-Di-Di and flash light gleam 3 times at the same time to remind the owner to set arm.

1.9 【Anti-hijacking】

When driving, press the button “


1. 10 【Remote engine start】


Stop the motorcycle and turn the engine off, press the button of START twice continuously within 3 seconds to set the automatic engine start, it will cost 0.7 second, the icon of tail gas will light on and the transmitter will chirp Bi-Bi-Bi, press the button “

1. 11 【Remote engine cut off】

In remote engine start status, press the button of Disarm once to cut the engine off.

1. 12 【Rearm automatically】 (false dismissal)

In arm status, press the button “

When the engine is cut off, press the button “

1. 13 【Remote car finding】

If the motorcycle owner unknown the parking place when he wants to find the motorcycle:

Press the button of Car Finding , the siren will chirp for 10 seconds, and the flash light will gleam at the same time to remind the motorcycle owner.

Press the button of Car Finding, the siren will not chirp, the flash light gleam to remind the motorcycle owner.


Press any button to pause motorcycle finding mode.



1. 14 【Power off memory】

When power off and later on again, the system can remember and remain the status before power off.

1. 15 【Emergency disarm】

In arm , if the transmitter is lost or damaged, owner can turn the motorcycle key from OFF→ON repeatedly for 10 times and leave the key at ON position for 2 seconds or more to disarm and the system is in emergency disarm mode, the system can not be armed unless this mode is removed. Press the button of “

03

to remove this mode.

1.16 【LED indicator】

In arm status, the LED will flash twice with interval of 2 seconds to remind the owner and others that the motorcycle is in arm status. If the alarm system is triggered by hit, the LED will flash continuously during alarming to remind the owner that it was triggered, the LED will flash 4 times continuously with interval of 2 seconds until disarmed and turn Acc to ON. If the alarm system is triggered, Acc ON, LED will flash continuously until disarm and turned Acc to ON.

1.17 【Sensing reminding】

In arm, if transmitter can not receive any signal from the sensor in brain unit, then signal icon disappearing means the transmitter is out of service, if there are still 1 or 2 signal indication bar on the transmitter means it is in weak control which can remind the owner of scope of activities.

Only dominate transmitter can receive signal from the transmitter. When alarming, signals (inspection signal) will be sent to the two transmitter at the same time.

1.18 【Special music reminding】

If no action by transmitter, it will remind the operator with music. That means the transmitter is trying to connect the brain unit by wireless radio. please try it again later.

1.19 【Power status indication】

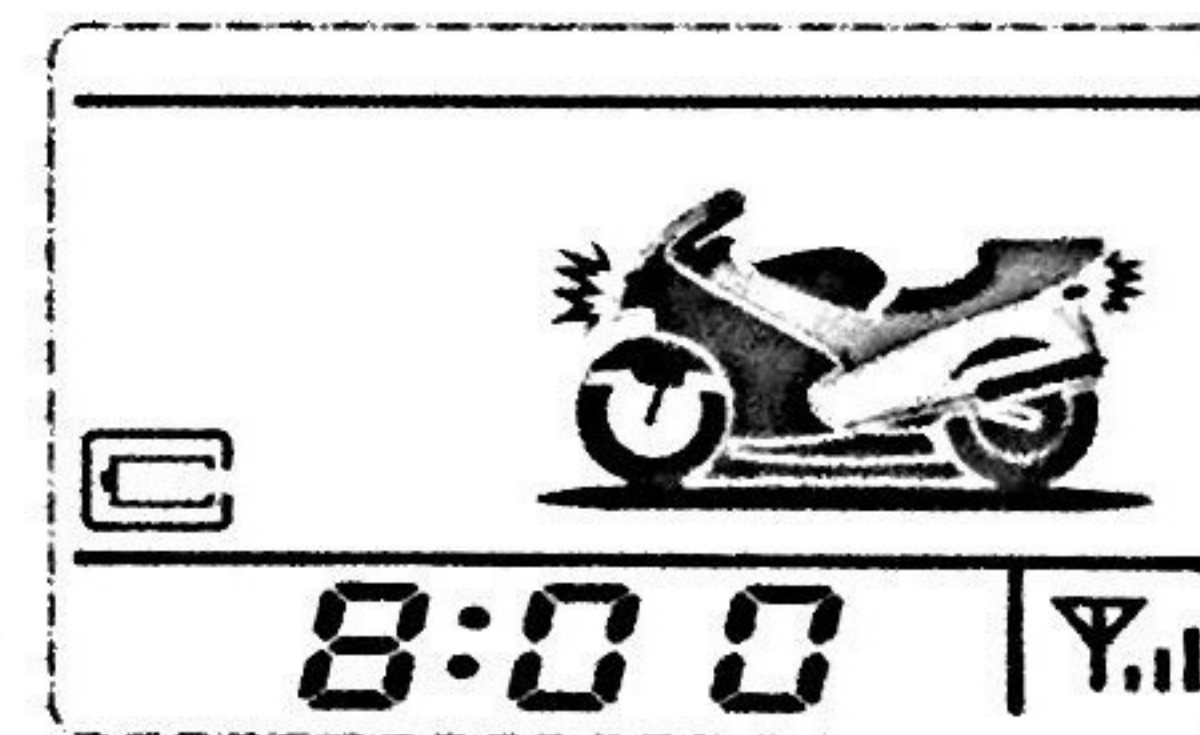
When battery power is weak, pressing any button on the transmitter will emit a sound to remind weak power and the corresponding power status is shown in the transmitter, when no pressing on the transmitter, the power status can be detected anytime by showing the corresponding figure instead of emitting sound.

- ◎ when battery power $\geq 1.3V$, LCD indicate full power (3 grids);
- ◎ when battery power is $1.2 \sim 1.3V$, LCD indicate 2 grids;
- ◎ when battery power is $1.1 \sim 1.2V$, LCD indicate 1 grid;

When battery power is under $1.1V$, LCD battery power indicate outline. Pressing any button can make the sound di...di to remind the weak power.

1.20 【Look for transmitter and charging】

Look for transmitter indicator: set clock (PM 8:00 ~ AM 6:00) LED indicator gleam 0.5 second every 12 seconds (the light is on with blue). It's convenient to look for transmitter at night. (the light is off on the occasion of disarm and weak battery power.






Transmitter charging indicator: when transmitter battery power is under 1.1V, the charging indicator will flash.


When transmitter is charging, the indicator will on for a long time.



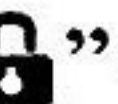
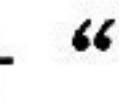

When transmitter is charging and the battery power is full, (>1.4V means full) and the indicator is off.

Attention: transmitter charging indicator will flash if the battery power is weak.

1.21 【TIME、ALARM SET】

◎ Press the buttons “” + “” at the same time 1 second, transmitter make a reminding sound, “” icon flash and is in setting status.

◎ Then press the button “”, it will shift and select between time/minute → time /hour → alarm on /off → alarm /minute alarm /hour → microwave setting → exit the corresponding character flash rapidly. .



◎ Press the button “” to adjust the flashing character parameter), after adjustment, press the button “” to select the next function for adjustment . when the character of EXIT flash , press the buttons “” + “” a second to save the setting status and exit press the button “” to exit immediately without saving setting.

Parameter setting :

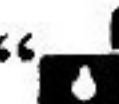

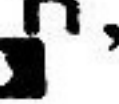
◎ TIME: can set hour 、 minute

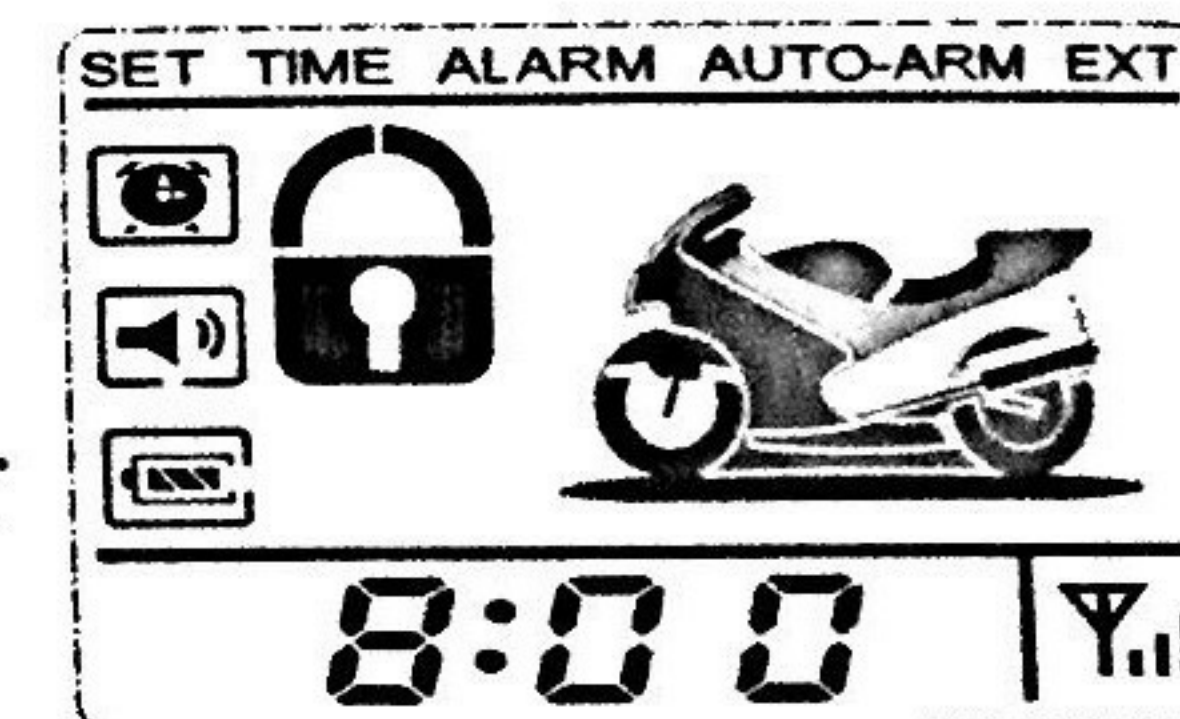
◎ ALARM: can set alarm on/off 、 hour 、 minute; when the alarm is ringing and the icon of alarm is flashing at the same time , the background light is on with green .

◎ []: can set microwave on /off , when entering setting (microwave) , the icon “[] ” flash means microwave is on, the icon “[] ” doesn't flash means microwave is off.

exit: press buttons “” and “” at the same time and save , then exit setting mode. transmitter make a sound to remind. Then resume to the alert status with time display.

1.22 【Transmitter adjust shocking sensitivity】

In disarm, press the button “” for a long while , the brain unit LED indicator is on for along while, flash light gleam once and the siren chirp once to enter shocking sensitivity status. press the button “” to adjust (one level to five level) the factory setting is level 3 sensitivity, level 1 is the top sensitivity) in level 1 , the brain unit siren chirp once, in level 2, the brain unit siren chirp twice. After finishing the adjustment of shocking sensitivity, press the button “” and save , then exit setting mode. The transmitter make a sound to remind and resume to the alert status and time display. The brain unit LED is off, the siren chirp BI



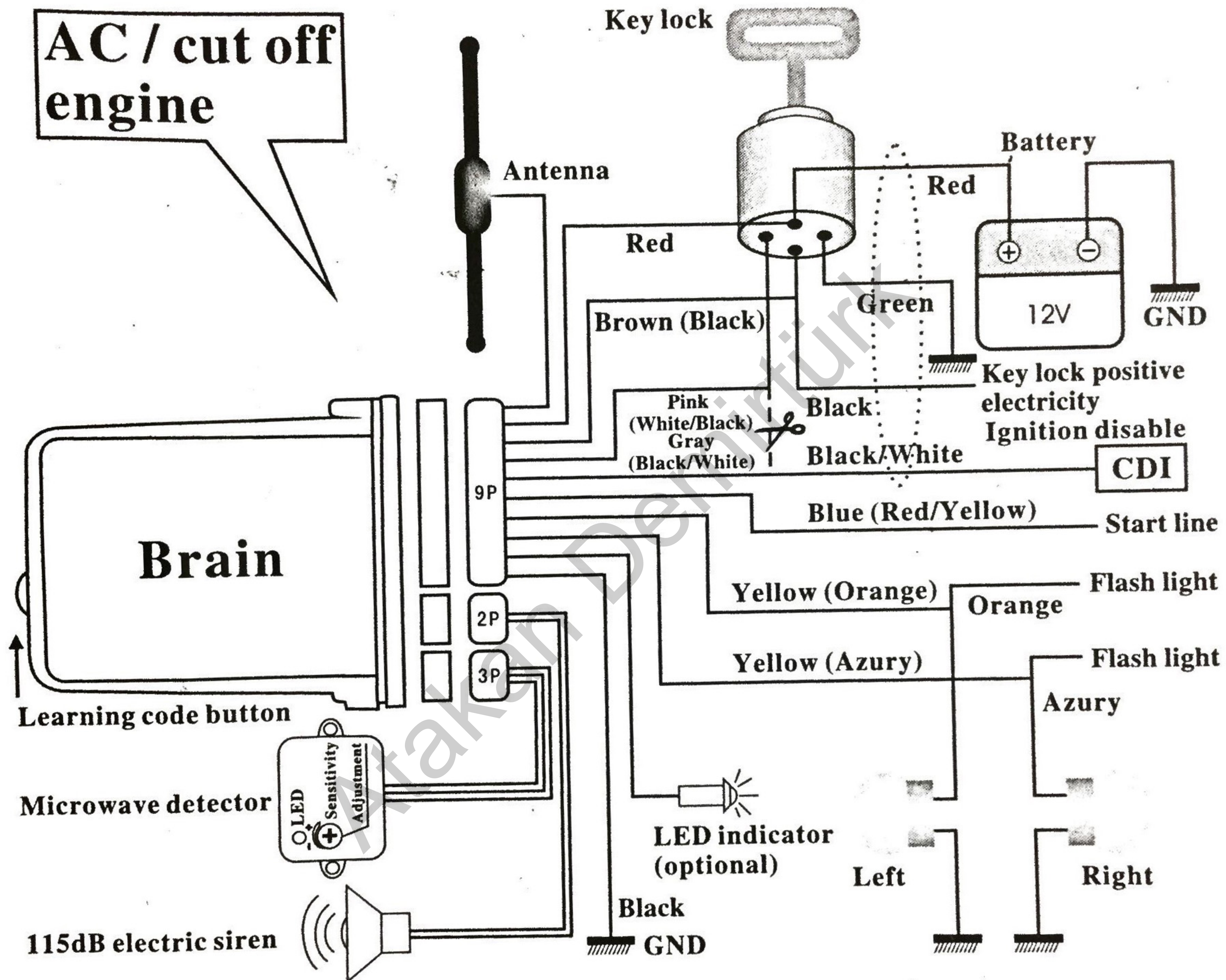
2. 【Technical data】

2.1 brain unit:

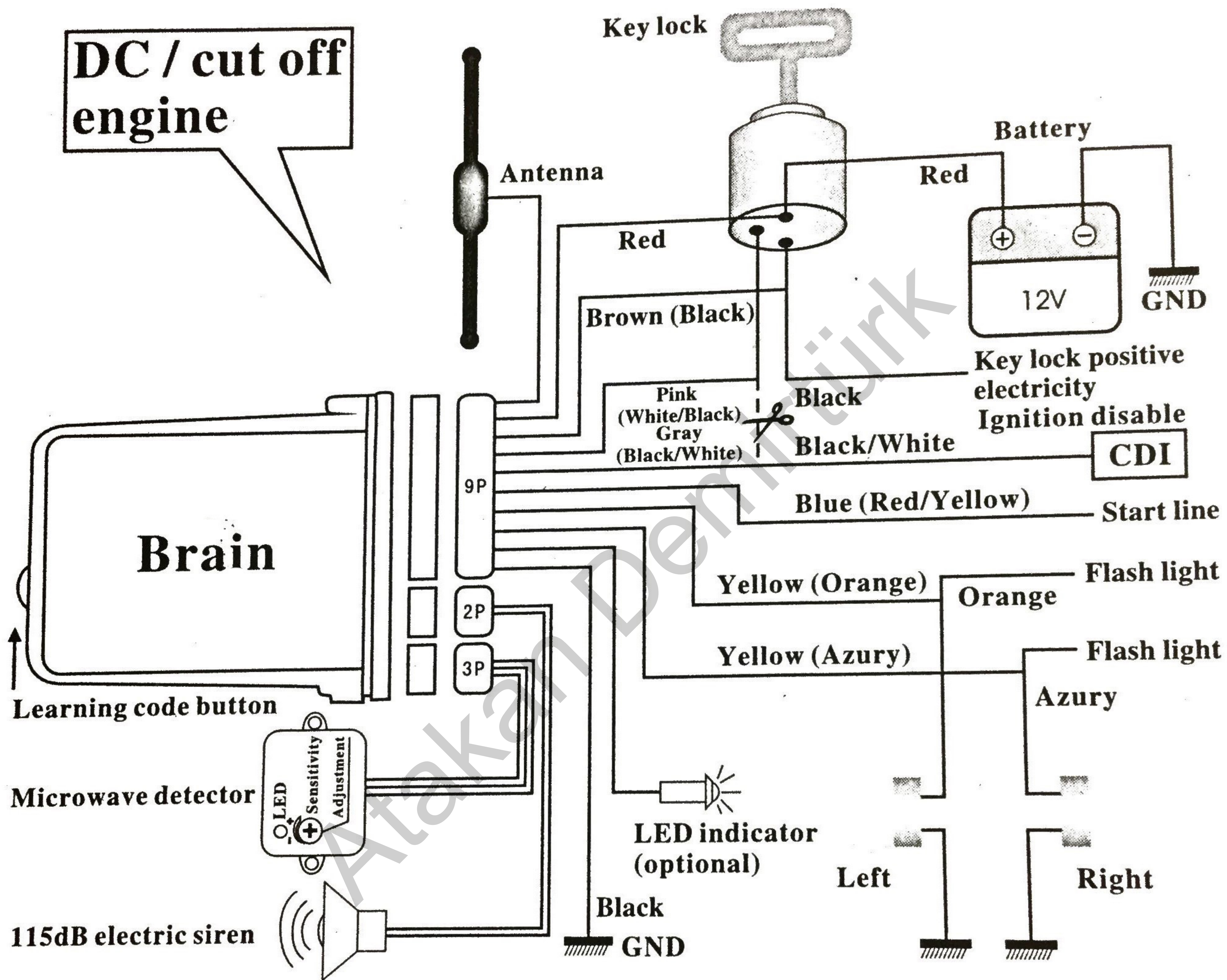
- ◆ Working voltage : $12V \pm 3V$
- ◆ static current: $\leq 6.5mA$
- ◆ sound level: 110-125dB
- ◆ frequency: $433.92MHz \pm 0.01MHz$
- ◆ ①receiving sensitivity: $-117dBm$ (high frequency signal source 433.92MHz. 1k signal 45KHz frequency bias . FSA. $-117dBm$ signal intensity)
- ②transmitting frequency : 433.91_433.93MHz
- ③transmitting frequency bias: $\leq 45KHz$
- ④transmitting power: $\geq 300mW$
- ◆ Receive CALL: 800米
- ◆ working temperature: $-30^{\circ}C \sim +85^{\circ}C$

2.2 Transmitter:

- ◆ Working voltage : 1.1-1.6V
 - ◆ static current: $\leq 180\mu A$
 - ◆ frequency: $433.92MHz \pm 0.01MHz$
 - ◆ ①receiving sensitivity: $-116dBm$ (high frequency signal source 433.92MHz. 1k signal 45KHz Frequency bias. FSA. $-116dBm$ signal intensity)
 - ②transmitting frequency: 433.91_433.93MHz
 - ③transmitting frequency bias: $\leq 45KHz$
 - ④ transmitting power: $\geq 16mW$
 - ◆ Remote range: 500m
- working temperature : $-20^{\circ}C \sim +60^{\circ}C$



(Note: Factory setting is AC output)



(Note: Factory setting is DC output)

MA-01

MICROWAVE DETECTOR

SPECIFICATION:

Frequency:	2.5GHz +/- 1GHz
Standby current:	11mA +/- 2mA
Max. trigger output current:	200mA
Input voltage:	9Vmin, 15Vmax
Detection rang sensitivity set to MAX. :	Width 2100mm, Length 1200mm

This device will detect movement inside the vehicle by means of transmitting a very low power microwave signal. The signal being emitted will be balloon shapes and horizontal in direction, which makes this device suitable for all types of vehicle especially convertibles (Fig.1)



Fig.1

Control Module Location:

Locate a suitable in the vehicle below the steering wheel level, normally behind the center console facing the back of the vehicle or mount the unit behind the center of the rear seats facing the front of the vehicle.

Important: When locating the unit behind objects ie. Center console, rear seats. Ensure that there is no metallic obstruction in front of the unit, as the metal will reduce the detection range.

Wiring:

Red wire: +12V

Black wire: Ground

White wire: Negative trigger output (200Ma max.)

Testing:

- Walk as close as possible around the outside of the vehicle, if the detector triggers then it would be recommended to lower the sensitivity.
- Wave your hand around various parts inside the vehicle, your hand must be waved below the dashboard level.

Sensitivity Adjustment:

When adjusting the sensitivity level turn the adjustment in small turn each time.

