

# INSTALLATION MANUAL

### A.Components

ECU, two transmitters, shock sensor, temperature sensor, tilt sensor (optional), LED indicator, siren, battery charger, emitter, engine killer relay, engine start relay, wire harness.

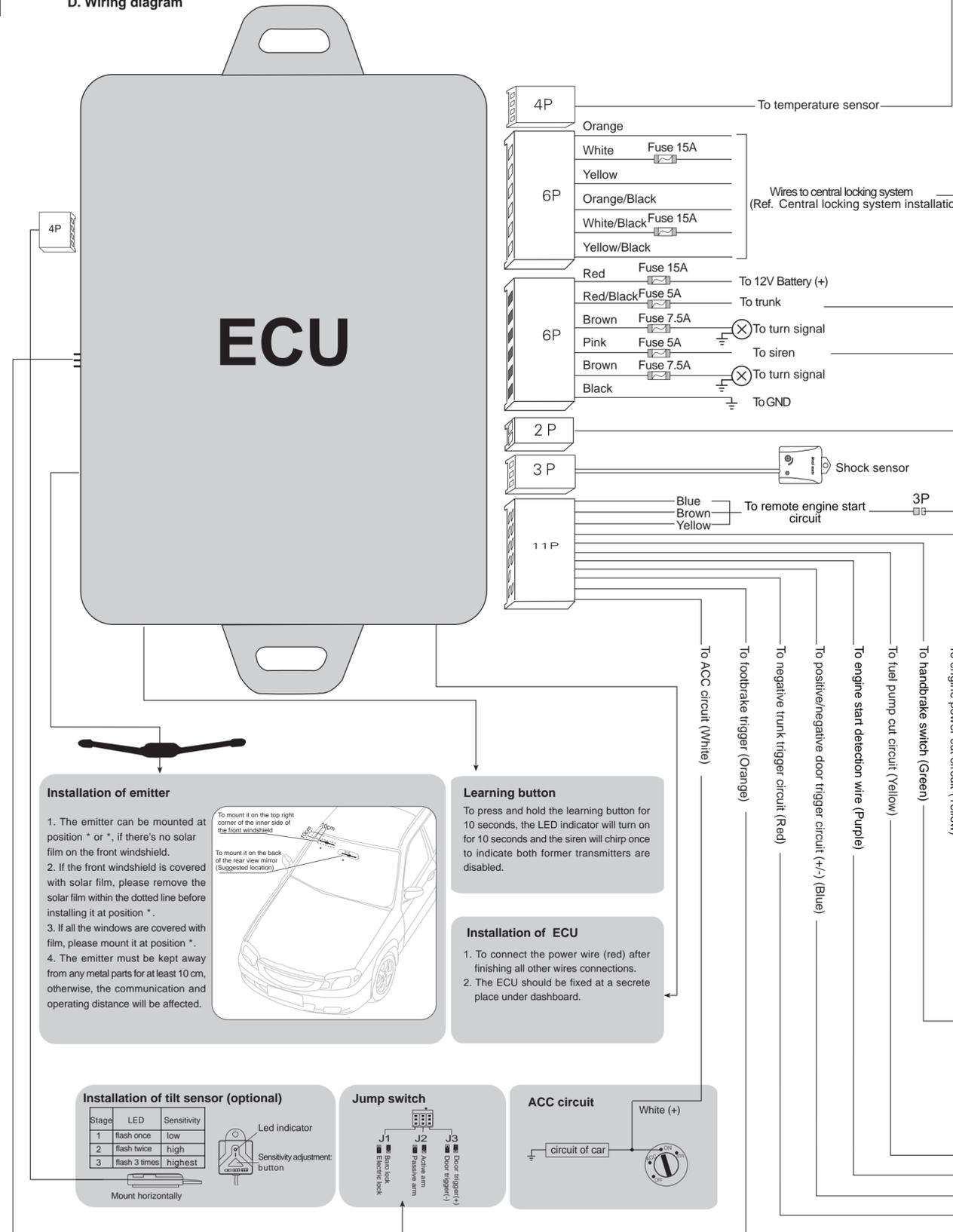
### B.Technical parameters

Voltage: 12V±3V  
Current: \*20mA  
Frequency: 433.92MHZ  
Siren SPL: 105~125dB

### C. Factory setting

- J1. Electric lock Baro lock
- J2. Passive arm Active arm
- J3. Door trigger (-) Door trigger (+)

### D. Wiring diagram



### Temperature sensor installation

It is suggested to install the temperature sensor between the two front seats. The sensor should not be covered.



Fig.3 Positive trigger

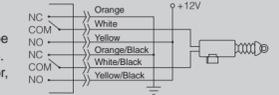


Fig.4 Positive / Negative trigger

### Central locking system installation:

- For the vehicle with original electric central door lock, check its triggering type (negative or positive), then connect wires as per wiring diagrams Fig.2 or Fig.3.
- For the vehicle with central locking system, the driver's door do not have motor, the other doors have motors. A new motor for driver's door is needed. Fig. 4.
- For the vehicle with baro-lock, please change the jumper J1 at "Baro-lock" position of the ECU. Fig. 5.
- For the vehicle without central locking system, please install one set central locking system to match with the car alarm system. Fig. 2.

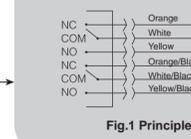


Fig.1 Principle

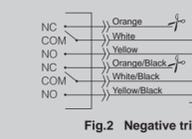


Fig.2 Negative trigger

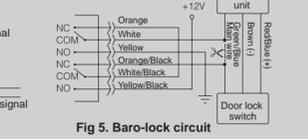
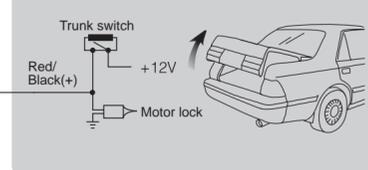
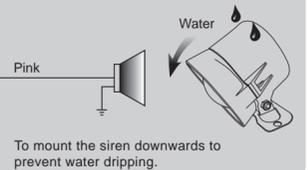


Fig.5 Baro-lock circuit

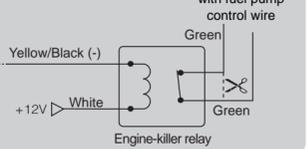
### Trunk release circuit



### Siren installation



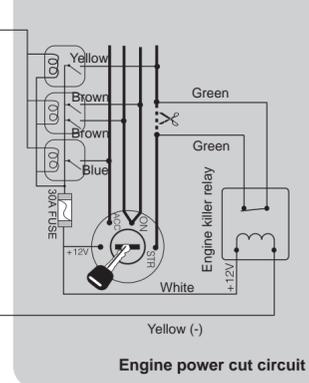
### Fuel pump cut circuit



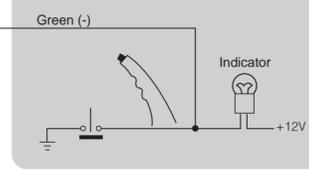
### Installation of LED indicator



### Remote engine start circuit



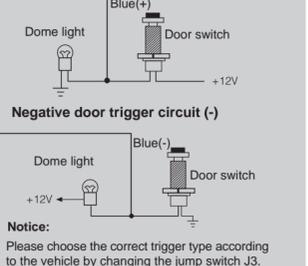
### Handbrake switch



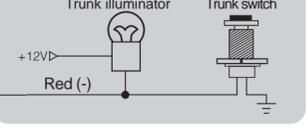
### Wiring methods to connect the engine start detection wire

- This wire has no voltage when the engine is not started, and has positive voltage when the engine is running. Please choose only one method from the following 3 connection methods.
- Connect to the battery charger detection wire (+), this is the factory recommended connection.
  - Connect to the engine oil detection wire (+).
  - Five coils around high-tension coil.

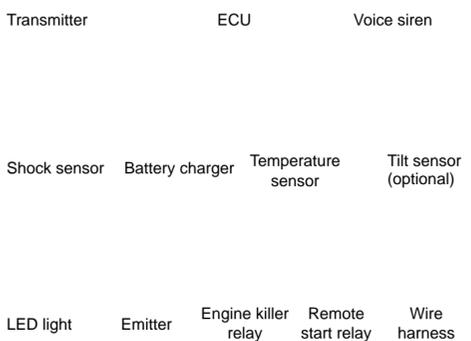
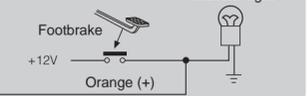
### positive/negative door trigger circuit (+/-)



### Negative trunk trigger circuit

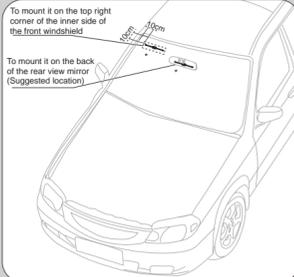


### Footbrake circuit



### Installation of emitter

- The emitter can be mounted at position \* or \*, if there's no solar film on the front windshield.
- If the front windshield is covered with solar film, please remove the solar film within the dotted line before installing it at position \*.
- If all the windows are covered with film, please mount it at position \*.
- The emitter must be kept away from any metal parts for at least 10 cm, otherwise, the communication and operating distance will be affected.



### Learning button

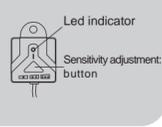
To press and hold the learning button for 10 seconds, the LED indicator will turn on for 10 seconds and the siren will chirp once to indicate both former transmitters are disabled.

### Installation of ECU

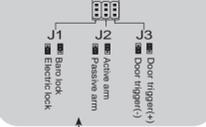
- To connect the power wire (red) after finishing all other wires connections.
- The ECU should be fixed at a secret place under dashboard.

### Installation of tilt sensor (optional)

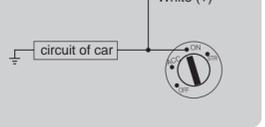
Stage	LED	Sensitivity
1	flash once	low
2	flash twice	high
3	flash 3 times	highest



### Jump switch



### ACC circuit



### Notes:

- This unit is for 12V DC vehicle only.
- This unit is to reduce the possibility of losing the vehicle by terrifying the thief and informing the owner of the vehicle status.
- Please ask qualified engineer to install this unit.
- The wiring should be kept away from high temperature and high voltage places.
- The wire joints should be insulated.

