

CAR SECURITY SYSTEM EASYCAR

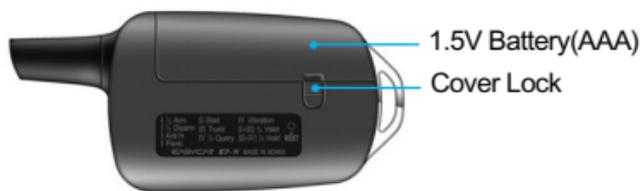


High Quality Starter and Alarm Systems

We sincerely appreciate you purchasing our vehicle starter and alarm systems. Our starter and alarm systems are produced with strict quality control and international standards, and includes a series of test including; extreme temperature, shocks, vibration and dropping. As a result, we are certain that you will be completely satisfied with our products.

Please read this manual carefully prior to using your new system. Please keep this manual accessible for future use.

[Remote Outside Name]



▶ LF Module



▶ Start Button (E5-B)



▶ Antenna Module



Safety Information

※ Please take these safety precautions.

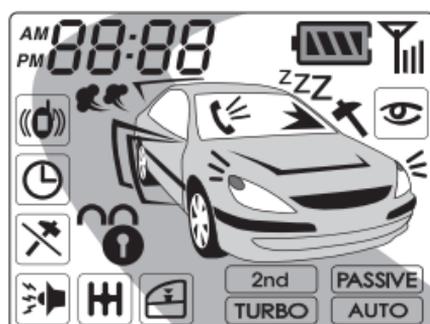
1. Please read our **Limited Warranty and Disclaimer** information located at the back of this manual prior to using.
2. It is not recommended installing this system into a convertible vehicle with a manual transmission.
3. We are not responsible for any injury or other liability resulting from the wrongful use of this system
4. When using remote start, place the gear in the Parked or Neutral position, and set the Emergency brake or Foot brake
5. In manual transmission vehicles; Do Not remote start in any position other than Neutral. We are not responsible for any damages or consequence resulting from this.
6. The transmitting (TX) and receiving (RX) varies depends on the radio signal environment. Range and response time will vary.
7. In the unlikely event of a defective product, do not open, repair or modify the system. Ask the seller for repair or replacement.
8. We shall not be responsible for any theft or damage to your vehicle, since this is a subsidiary and convenient system only.
9. Please note that some functions described in this manual are optional functions and may not be available on this model.

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[Color LCD displays]


⚠ CAUTION

Use of this system is for car start and alarm purpose only.

Since this system is a precise instrument that is fragile and susceptible to damage from external shock, do not drop the unit, and keep it away from children. Do not keep the remote near excessive humidity or water, as it is not water proof.

LCD Icon	LCD Function
	Transmitting
	Reservation mode (Manual transmission only)
	Door Lock (Arm)
	Door Unlock (Disarm)
	Panic Mode
	Vibration On/Off
	Trunk open

LCD Icon	LCD Function
	Parking Light
	Door open
	Shock ON/OFF
	Timer
	Remote Start
	Valet
	Passive
	Turbo
	Clock
	Owner call mode is set
	Someone calling car owner
	Driving door lock(Ignition Lock)
	Battery Meter
	Shock
	Second Car
	Smart Door

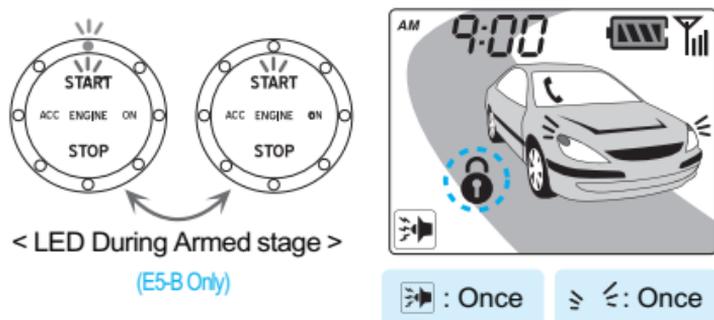
2 Way	1 Way	Press(sec)	Function
I		0.5	Door Lock(Arm)
		0.5	Door Unlock(Disarm)
II		0.5	AUX1
III		0.5	AUX2
IV		0.5	Query Function
I -		2	Panic Mode
II -		2	Remote Start ON/OFF
III -		2	Trunk Open
IV -		2	Vibration ON/OFF
I + II		0.5	Mute ON/OFF
I + III		0.5	Valet ON/OFF
I + IV		0.5	Driving Door Lock
II + III		0.5	Passive ON/OFF
II + IV		0.5	Button Hold ON/OFF
III + IV		0.5	Shock Sensor ON/OFF
(I + II) -		2	Current Time Change
(I + III) -		2	Reserve time Change
(I + IV) -		2	Option Mode
(II + III) - -		2	Smart Door ON/OFF
(II + IV) -		2	Reservation Start
(III + IV) -		2	Turbo ON/OFF
(I + II) - -		5	Animation
(I + III) - -		5	Second car

- * 0.5 sec. : Press the button for 0.5 second.
- * 2 seconds(-) : Press the button for 2 seconds till it operates at your vehicle
- * + : Press 2 buttons simultaneously.

1. Lock/Unlock (Arm/Disarm)

1-1 Door Lock(Arm)

You can lock and arm your vehicle by pressing button I for 0.5 second. The siren chirps and the parking lights flash once each, Also, the sidemirror is being folded.(Optional installation)



! Note

The remote chirps 7 times, and blinks  icon on the remote to warn that the battery of your vehicle discharges, if you lock the doors while the tail lights are turned on during arming.

1-2 Door Unlock (Disarm)

You can open and disarm your vehicle by pressing button I for 0.5 second.

The siren chirps and the parking light flash twice each. Also, the sidemirror is being unfolded (Optional installation).

The numbers of remote chirps and parking light flashes indicate the status of your vehicle while parking (Alarm models only).



 : Twice

 : Twice

- Two chirps and two parking light flashes indicates there were no problems while parking.

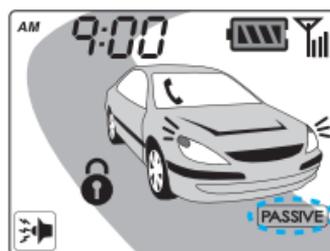
- Four chirps and four parking light flashes on the remote indicates there has been an alarm during the arming stage.

2. Passive

2-1 Auto Arming

- Ⓐ You can activate this function by pressing button (II+III) simultaneously for 0.5 second.

Then, Icon **PASSIVE** appears on the LCD and this system rearm automatically.



- Ⓑ The doors lock and rearm 30 seconds after the engines is turned off and the doors are closed.
- Ⓒ During auto start mode, The doors lock and rearm 30 seconds after the doors are closed.
- During Valet mode, auto arming mode is not activated.

2-2 Manual Arming

The Icon **PASSIVE** disappears on LCD and doors are locked and unlocked by remote only, if you press button (II+III) simultaneously for 0.5 second.

The doors automatically lock and arm, if you don't open the doors more than 1 minute after you disarm by remote.

3. Remote Start

3-1

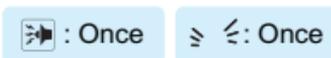
Press and hold button II, for 2 seconds, the remote chirps and the parking lights flash once each.

If it fails, the system automatically repeats remote start a maximum of 3 times.

When the vehicle starts,  appears on the transmitter and the remaining engine running time is

displayed on the remote.

The default setting of the engine running time is 15 minutes. You can change it to 25 minutes by using optional settings.



3-2

Open the door, insert the key, and turn it to ON position after remote start, If you want to stop the auto starting, press the foot brake.

3-3 Emergency Brake(Optional setting)

Manual transmission vehicles need Reservation mode to remote start, in this case, the emergency brake must be ON.

3-4 Preventing Remote Start for your safety

The following cases prevent your vehicle from auto starting for your safety.

- Ⓐ If trunk is open
- Ⓑ If hood is open (Except for E5-B)
- Ⓒ If emergency brake is off (for manual transmission vehicles only)
- Ⓓ If panic mode is activated
- Ⓔ If valet mode is activated (Refer to ‘Valet’)

3-5 Diagnose problems with auto start

If there is a problem in auto start, you will hear 3 chirps and the cause for the error will be indicated by the number of chirps and the parking lights flash within 3 seconds, when you try the remote start (Refer to the table).

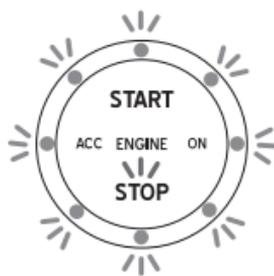
Vehicle		Remote
Number of chirps or Park light Flash	Cause of error	Reason of fail
1	Engine on	Start
2	Key On	Start
3	Door open	Door
4	Trunk open	Trunk
5	Foot brake on	Foot brake
6	Hood open (Except for E5-B)	Hood
7	Reservation Off (Manual transmission)	Reservation
8	Emergency brake off (Manual transmission)	Brake

4. Start Button (E5-B Only)

Push button Ignition ON/OFF

4-1 Ignition ON

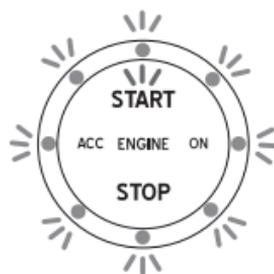
While pressing the foot brake on, press start button for 1 second. Also, the parking brake (Auto transmission) or the emergency brake (manual transmission) should be on at this stage. You will see the engine get started and on the button, it has the red colored light on (Stop).



Once you release the parking brake (Auto transmission) or emergency brake (manual transmission) to drive, the red colored light is off.

4-2 Ignition OFF

- ① While pressing the foot brake on, press start button for 1 second. Also, the parking brake (Auto transmission) or the emergency brake (manual transmission) should be on at this stage. you will see the engine is off and the button gets the light on (Start).



- ② In case you are not able to stop the engine due to the problem from the parking brake (Auto transmission) or the emergency brake (manual transmission), press start button for 4 seconds while pressing the foot brake on. Then the engine will stop.

⚠ Note

When the parking brake (Auto transmission) or the emergency brake (Manual transmission) is broken, check whether the red colored light is on (Stop). And then press the start button for about 4 seconds (while foot brake on) to start, until you confirm the engine is running.

If you want to stop the engine while you are outside of your vehicle, 1) check the red colored light is on 'stop', 2) open the door and press the button II for 2 seconds.

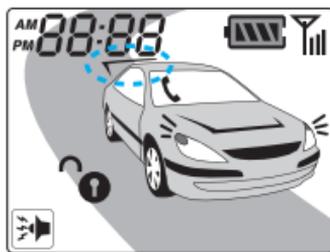
4-3 OFF ⇒ ACC ⇒ ON ⇒ OFF

- Ⓐ ACC : While not pressing the foot brake on, press the start button on time, the button gets the light on ACC, which enables you use the air-conditioning and car audio etc.
- Ⓑ ON : If you press one more while not pressing the foot brake on, the button gets the light on OFF.
- Ⓒ To stop the engine by force : If you are not able to stop the engine by pressing button, please open and close the car door 7times during 12 seconds. Then the engine will stop.

5. Trunk Open

5-1 Trunk Open

Press and hold button III for 2 seconds to open the trunk. Parking lights will flash twice and the siren will chirp twice.



5-2 Trunk sensing (option setting)

While your trunk is open, you cannot lock the doors (or arm the vehicle).

6. Query Function

Query function allows you to check the status of your vehicle including can temperature by pressing button IV for 0.5 second. The icon and chirping sounds indicates the status. If you are within transmitting distance to receive the signal for shock, theft and easy call function, you will receive the responses shown on the table.

Status	Response	
	Remote	Siren from the vehicle
Engine Running, Armed	Beeps 6 times	Chirps 3 times
Enging is Not Running, Armed	Beeps 3 times	Chirps once
Enging is running, Disarmed	Beeps 4 times	Chirps 4 times
Engine is not running, Disarmed	Beeps twice	Chirps twice

7. Panic Mode

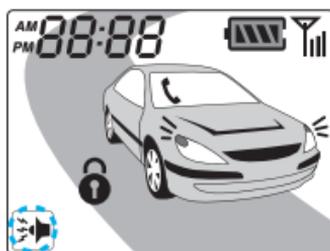
Press and hold button I for 2 seconds to activate this mode. Your vehicle will lock the doors if unlocked, the siren will activate, and the parking lights will flash for 90 seconds.

This function is used for warning under emergency situations, when you feel you are in danger.

Press and hold button I for 2 seconds to deactivate.

8. Mute

Press button (I+II) simultaneously for 0.5 second to enter this mode, and then all the Icons displayed on LCD disappear and the siren does not operate.



The siren, however, operates in other modes ((example) Panic, Shock, Theft) even in Valet mode.

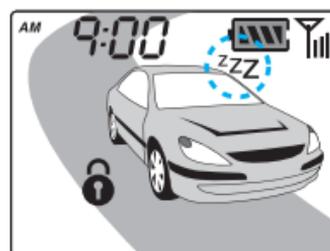
In this mode, Siren does not operate during arming and disarming only.

If you press button (I+II) simultaneously for 0.5 second again, all the Icons will appear again with siren operate.

9. Valet

Press button (I+III) simultaneously for 0.5 second to enter this mode.

The 2 features operating in valet mode are Door lock / unlock by pressing button I



and Query function by pressing button IV. (All the other functions do not operate temporarily.)

Valet mode is useful when loaning your vehicle or having it serviced (example, car wash, parking lot and auto repair shop). Press button (I+III) simultaneously for 0.5 second again to exit.

⚠ Note

If you want to use this mode manually, insert the key into the ignition and rotate it (press the start button in E5-B model) 4 times between ON & OFF for 4 times within 10 seconds.

10. Driving Door Lock (Ignition Lock)

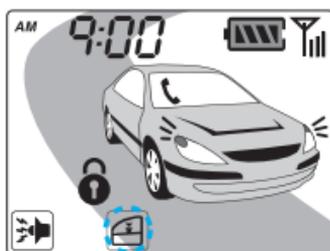
Press button (I+IV) simultaneously for 0.5 second to enter this mode.

Then, this mode operates with display of Icon  on LCD.

This programmable option enables your vehicle to automatically lock the doors in 30 seconds after the vehicle has been started with a key while all the doors are closed.

On the contrary, the vehicle will automatically unlock the doors upon pulling the key out from the ignition.

Please press button (I+IV) simultaneously for 0.5 second again to exit.



11. Hold

Press button (II+V) simultaneously for 0.5 second to lock all the buttons. Then 'HoLd' appearing on LCD, indicates button-pressing became inactive. To make it active again, press (II+V) one more.

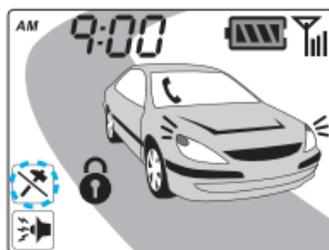


12. Shock sensor by-pass

12-1

Press button (III+IV) simultaneously for 0.5 second to deactivate the shock sensor.

You can find the Icon  on LCD to confirm this mode.



This function can be used, when you do not want it.

example) when you sleep in the vehicle, when baby sleeps in the vehicle, when you let your pet stay in the vehicle.

12-2

Press button (III+IV) simultaneously for 0.5 second again to

activate shock sensor.

The Icon  on LCD disappears to confirm this.

If your vehicle is shocked while your vehicle is armed and the engine is turned off, your vehicle chirps and sends signal to your remote with the blinking icon  on LCD.

13. Smart Door

Press button II+III for 2 seconds, then  icon appears on the LCD to cancel it, press II+III for 2 seconds once again. The doors are unlocked when the car owner with the remote approaches the vehicle and locks the vehicle after 10 seconds when the car owner with the remote is far enough away from the vehicle.

* This function is unavailable when the door is open or the vehicle is running.

14. Reserve Time Change

Press button (I+III) for 2 seconds and then timer flashes.

Press button I for 0.5 second to increase “hour” and press it continually to increase “hour” continually.

Press button II for 0.5 second to increase “minute” and press



it continually to increase “minute” continually.

If you press button (I+III) for 2 seconds again after setting the timer, the display of timer does not flash to inform you that setting is complete and it displays the current time again. In case that you do not press any button for 20 seconds, it automatically displays the current time.

15. Turbo

15-1 (E5 Model)

Press (III+IV) for 2 seconds, then the icon blinks. In this mode, engine continues to run for a selected time of 30 seconds or 2 minutes (you can change the setting in Option menu). This is very useful for turbo charged vehicles to cool down the mechanical components after driving.



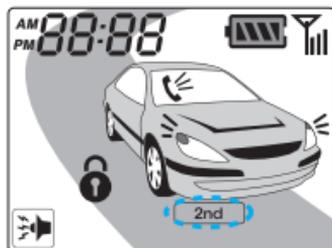
15-2 (E5-B Model)

Press (III+IV) for 2 seconds, then the icon blinks. In this mode, engine continues to run for a selected time of 30 seconds or 2 minutes (you can change the setting in Option menu).

- a) Please follow the step on the remote as above.
- b) While the engine is running, activate the parking brake (auto transmission) or the emergency brake (manual

18. Second Car Function

Second car function is used to operate two vehicles with EasyCar remote car starter or alarm system with one remote. You must register a remote in both vehicles to function.



- Press and hold button(II+III) for 5 seconds. The  icon appears on the remote to operate.
- To deactivate, press and hold button(II+III) for 5 seconds once again.

19. Real Time Remote Paging Functions

Owner Call, Theft report and Shock Sensing report whenever one of these is triggered, it is reported to the remote with beeps and flashing icons on LCD.

In particular, Theft is reported with continuous beeps and with one of the icons such as door, trunk and hood in consideration that you didn't hear the beeps.

19-1 Owner Call Mode

This mode allows other people to call you by knocking 2 times on  the front window of the vehicle.

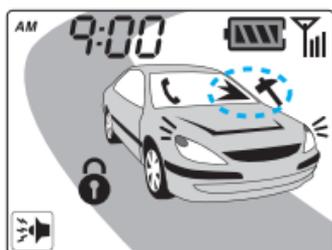
You can recognize this call



through Icon  on your remote with 4 times of bell sound. If you press button IV for 0.5 second to confirm it, your vehicle flashes the parking lights once.

19-2 Shock Sensing Report Mode

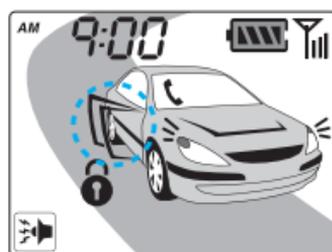
This function reports to your remote that your shock sensor on the vehicle has been triggered during the arming mode. When the shock sensor is triggered, your remote makes warning sounds until you press button I to stop the warning.



19-3 Theft Report Mode

The system recognizes any theft, and activates alarm when doors open by force or with the key while the vehicle is armed.

Siren chirps and remote warns continually in theft mode.



The siren in your vehicle operates even in silent siren mode and chirps for 30 seconds (60 seconds(E5-B)). The duration can be changed to 60 seconds(30 seconds(E5-B)) on the optional setting.

Press button I to confirm and stop the report and siren.

20. Auxiliary Output (Optional Installation)

This mode is used to control (on/off) one of the various functions on your vehicle (such as convertible, sunroof, car audio, window and etc.)

20-1 Aux1

It operates by pressing II for 0.5 second and then do it again within 3 seconds to open sunroof etc. To close, please do the same process once again.

20-2 Aux2

It operates by pressing III for 0.5 second and then do it again within 3 seconds to open sunroof etc. To close, please do the same process once again.

21. Other Remote Functions ON/OFF mode

21-1 Current time Change

Press button (I+II) for 2 seconds and then current time flashes.

Press button I for 0.5 second to increase “hour” and press it continually to increase “hour” continually.

Press button II for 0.5 second to increase “minute” and press to cancel the setting, press button IV for 0.5 second.

If you press button (I+II) for 2 seconds again after setting the current time, the display of current time does not flash to inform you that setting is complete.

In case that you do not press any button for 10 seconds, it automatically displays the current time.

21-2 Reserved Time Change

Press button (I+III) for 2 seconds and then timer flashes.

Press button I for 0.5 second to increase “hour” and press it continually to increase “hour” continually.

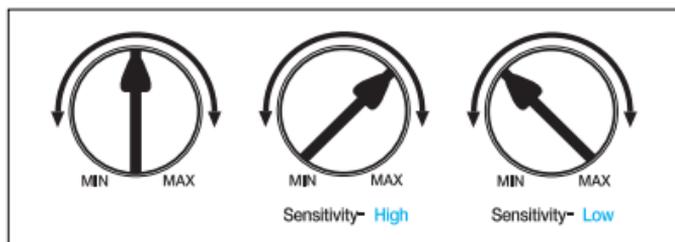
Press button II for 0.5 second to increase “minute” and press it continually to increase “minute” continually.

If you press button (I+III) for 2 seconds again after setting the timer, the display of timer does not flash to inform you that setting is complete and it displays the current time again.

In case that you do not press any button for 10 seconds, it automatically displays the current time.

22. Adjusting the sensitivity of shock sensor

Please ask your installer for the location of your shock sensor. You can adjust the sensitivity of the shock sensor by turning the knob on the shock sensor. Turn the knob on the shock sensor clockwise for higher sensitivity and counter clockwise for lower sensitivity.



⚠ Note

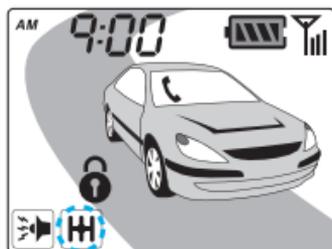
Do not turn the knob with excessive force, or beyond its limit.
Shock sensor is fragile.

23. Reservation mode

(For Manual Transmission Vehicle)

23-1 What is 'Reservation mode'?

In order to remote-start your manual transmission vehicle, you must first set up reservation mode before leaving your vehicle. The purpose of leaving the transmission gear in the neutral position is to prevent your vehicle from moving forward while remote starting. You should set reservation mode each time you turn off your vehicle.



1) Important requirements to activate Reservation mode :

- Ⓐ The transmission must be in neutral position
- Ⓑ All doors must be closed
- Ⓒ Do not set the reservation mode with passengers or pets inside the vehicle

2) Remote Start does not operate without setting Reservation mode. If you press and hold button II to remote start your vehicle without setting the Reservation mode, remote chirps 3 times and parking lights flash 3 times. Parking

lights will flash 7 times more to let you know that it failed to remote start.

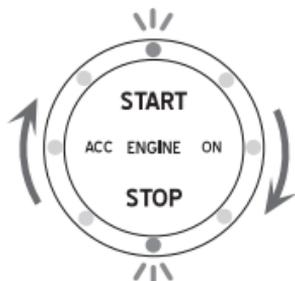
! Note

RESERVATION MODE IS NECESSARY FOR YOUR OWN SAFETY.

23-2 Automatic Reservation Mode (Default Setting) (E5-B)

How to set Automatic Reservation mode:

- ① Place the transmission in neutral position before you turn the engine off
- ② Activate emergency brake
- ③ Press the start button for 1 second, the engine will keep running. Also the start button's LED rotates diagonally.
- ④ Exit the vehicle and close all doors
- ⑤ The engine will automatically turn off and reservation mode is completed



The reservation mode is, however, cancelled if doors are open or valet mode is activated. Once cancelled, you have to start your vehicle with the manual key and repeat the step 1 to 5 to restore the Reservation mode.

23-3 Manual Reservation Mode (Optional setting)

Please follow the steps ①~② at 23-2, press the button II for 2 seconds, open and close the door. The next step is same as the rest of 23-2.

24. Easy Door Lock (option)

24-1

The door can be locked or unlocked without remote or the vehicle key. If the 4 digit password is inputted, it arms or disarms the vehicle.

10 blue LEDs display various functions: such as arming, disarming, valet mode, and emergency status. If anyone knocks twice on the LEDs on the windshield, remote receives the call signal (optional Owner call mode).



24-2 How to input the 4 digit password

- a) Turn the engine off, and place the car key to the ON position. Open the door and wait until the light moves from number 1 LED.
- b) Number 1 LED will be on for 2 seconds and OFF, and it will repeat on each number from 2 to 0.
- c) If you knock once while your desired number LED lights up, LED will flash and repeat step 2 above.
- d) You have to repeat the step 2 and 3 for 3 more times to enter a 4 digit password.

For Example, if your desired password is 2, 3, 4, and 5, then wait until number 2 LED lights up and gently knock on the sensor. After this, number 1 LED will light up and continuously move to next number, and knock on the sensor when number 3 LED lights up. Repeat this process for

number 4 and 5 to finish enter your password.

24-3 Door Lock / Unlock

- ㉠ Wait, the light moves from number 1 LED during lock, unlock or valet mode.
- ㉡ Number 1 LED will be on for 2 seconds and off, number 2 led will be on 2 seconds and off, and it will continuously move around to 0.
- ㉢ Knock on the sensor once on your first digit of your password, light will flash once more to confirm the recognition.
- ㉣ Repeat the step 3 for your second, third and forth number of your password.
- ㉤ After your forth password, vehicle will lock (if it was unlocked), or unlock (if it was locked).
During Valet mode, doors can lock or unlock only.

In case that the incorrect passwords are inputted more than 5 times, Easy Door Lock will not be functional for 20 minutes.

24-4 LED Display

- ㉠ During Arming: From (9) to (3), the 5 LEDs will sequentially flash five times left to right, and right to left (9-0-1-2-3-2-1-0-9-0). After that, LEDs will be on for 2 seconds each from number 1 to 0, and you can enter your password, while each LED is on for 2 seconds.



- ⓑ If alarm was triggered during the arming mode, LED will flash rapidly in sequence above after the siren duration.
- ⓒ During the siren duration, all LED will flash simultaneously
- ⓓ During disarming: (0) Led will flash five times every 3 seconds.
- ⓔ During Valet mode: (0) Led flashes every 10 second.

25. Inside Car Temperature Check

Please press the button IV for 0.5seconds to check inside car temperature.



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220-8881, 364-3428 Fax: 220-7940
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