

Title :

Information Document

NO. : SCE-0202

Date : 22. JAN. 2002

1. PRODUCT SPECIFICATION

1.1 Scope of Remote Keyless Entry system

1.1.1 Key part : Transmitter is inside of the remote key, and it sends the rolling code to the receiver by radio frequency.

1.1.2 Receiver : It receives the rolling code and decodes that, thereafter receiver sends the data to *ETACS.

* ETACS : Electronic Time & Alarm Control System.

1.2 Specification

1.2.1 Transmitter

Item	Specification
Rated supply voltage	DC 3V
Operating voltage range	DC 2.5 ~ 3.2V
Operating temperature range	-20 ~ +60 °C
Storage temperature range	-40 ~ 85 °C
Modulation	AM
Frequency	315.0000MHz
Code	Rolling Code(Hopping Algorithm)
Electric field strength	199 ~ 500 μ V/m
Battery life	2 Year(Lithium 3V 1EA)

1.2.2 Receiver

ITEM	SPECIFICATION
Rated Supply Voltage	DC 12V
Operating Voltage	DC 9 ~ 16V
Operating Temperature	- 30 ~ + 80 °C
Storage Temperature	- 40 ~ + 85 °C
Standby Current	3.0mA (max)
Sensitivity	Min -98dBm

NOTE:

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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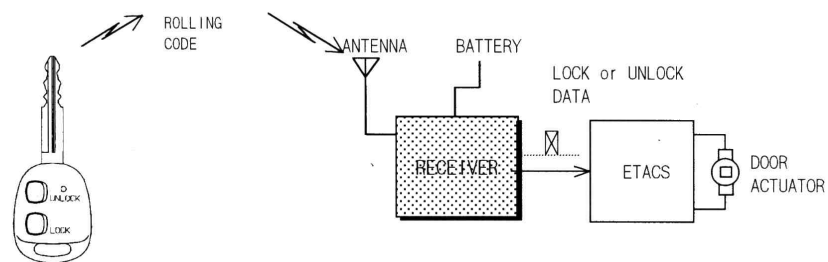
2. USER MANUAL

2.1 Name : Remote Keyless Entry system

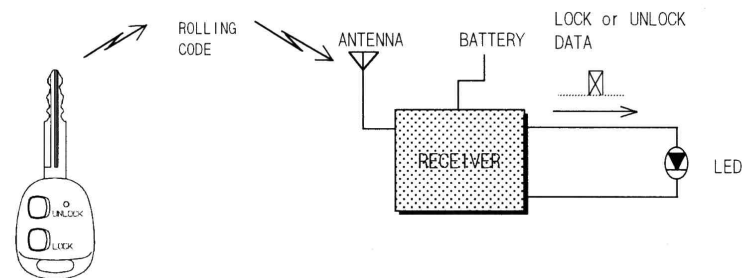
- This system is *RKE system.
- RKE system is intended for auto door lock or unlock in vehicle.
- This RKE system is to be installed on motor vehicles as *OE item.
- * OE : Original Equipment.
- * RKE : Remote Keyless Entry.

2.2 System construction

2.2.1 System in vehicle



2.2.1 System for test



* Through use of the LED, operating state is displayed by LED.
LED 'ON' means that DATA is sent to the ETACS.

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2.3 Operating summary

- ① Transmitter's Lock or Unlock button is pushed.
 - ② Transmitter sends the code by radio frequency.
 - ③ Receiver gets the code and decodes it.
 - ④ Receiver judges the code whether it is right code or not.
 - ⑤ When Receiver proves it to be the right code, Receiver sends data to ETACS.
 - ⑥ ETACS receive it, and drive the actuator.
- * ETACS : Electronic Time & Alarm Control System.

2.3.1 Lock or Unlock

If transmitter's Lock or Unlock button is pushed,
Transmitter sends the Lock or Unlock data.

2.4 Caution

- ① Danger of explosion if battery is incorrectly replaced.
- ② Replace only with the same or equivalent type recommended by the manufacturer.
- ③ Dispose of used batteries according to the manufacturer's instructions.