

Title :

Information Document

NO. : SCE-0209

Date : 16. DEC. 2002

1. GENERAL

1.1. Make

Shinchang Electrics Co.,Ltd.

1.2. Model No.

- Transmitter : SAKS-01Tx

- Receiver : SAKS-01Rx

1.3. Name and address of manufacturer

Shinchang Electrics Co.,Ltd.

734-2, Wonshi-Dong, Ansan-Si, Gyungki-Do, Korea.

1.4. Name and address of assembly plant

Shinchang Electrics Co.,Ltd.

734-2, Wonshi-Dong, Ansan-Si, Gyungki-Do, Korea.

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2. PRODUCT SPECIFICATION

2.1 Scope of Remote Keyless Entry & ATAS system.

2.1.1 KEY PART : TRANSMITTER is inside of the REMOTE KEY, and it sends the rolling code to the receiver by radio frequency.

2.1.2 Receiver : It receives the rolling code and decodes that, thereafter receiver drives the actuator.

2.2 Specification

2.2.1 Transmitter

Item	Specification
Rated supply voltage	DC 3V
Operating voltage range	DC 2.8 ~ 3.2V
Operating temperature range	-20 ~ +75℃
Storage temperature range	-40 ~ 85℃
Modulation	AM
Frequency	315.0000MHz
Code	Rolling Code(Hopping Algorithm)
Battery life	2 Year(10Times/Day)(Lithium 3V 1EA)

2.2.2 Receiver

ITEM	SPECIFICATION
Rated Supply Voltage	DC 12V
Operating Voltage	DC 9 ~ 16V
Operating Temperature	- 40 ~ + 80℃
Storage Temperature	- 40 ~ + 85℃
Standby Current	5.0mA

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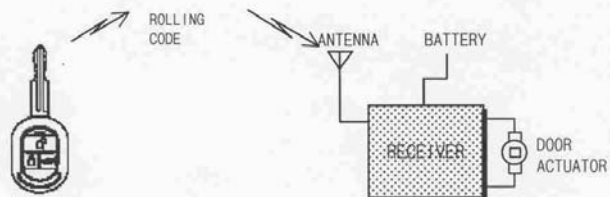
3. USER MANUAL

3.1 Name : ATAS system

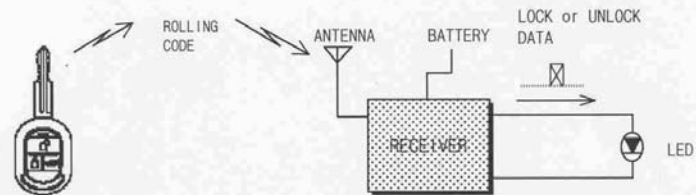
- This system is ATAS and includes RKE.
- RKE & ATAS system is intended for auto door lock or unlock in vehicle.
- This ATAS system is to be installed on motor vehicles as *OE item.
 - * OE : Original Equipment.
 - * ATAS : Anti Theft Alarm System.
 - * RKE : Remote Keyless Entry.

3.2 System construction

3.2.1 System in vehicle



3.2.1 System for test



* Through use of the LED, operating state is displayed by LED.
LED 'ON' means that actuator is operated by door lock or unlock output signal.

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3.3 Operating summary

- ① TRANSMITTER's 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 Receiver checks door lock or unlock state.
- ⑥ Receiver drives the actuator.

3.3.1 LOCK & UNLOCK

If LOCK or UNLOCK button is pushed for less than 1 sec, then
TRANSMITTER sends the LOCK or UNLOCK DATA.

3.3.2 TRUNK

If TRUNK button is pushed for more than 0.6 sec, then
TRANSMITTER sends the 'TRUNK OPEN' DATA

3.4 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.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operations.