

PRODUCT SPECIFICATION AND MANUAL

2018.10

BUYER / PROJECT	SYMC / C300
BUYER MODEL	Unit Ass'y Smart Key Module
COMPANY	Mototech Co.,.
MAKER/NATION	Mototech Co.,./Republic of Korea
DRAFT PART	Research Center
DRAFTER	K.H CHO

Title	Certification Request Document		
Project Name	C300	Drawn	2018-10-25
		Relrased	2018-10-25
		Made by	K.H CHO

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1. Summary

Type	Wireless controller and wireless electronic equipment of specific low output radio station
Name	Unit ASS'Y Smart Key Module
Use	Using a user authentication device, the frequency of 125kHz.
Summary	<p>1. SKM (Smart Key Module) is transmitted data to FOB (Transmitter) by Low Frequency. (Passive Entry & Passive Start)</p> <p>2. This Equip & FOB communicate encryption algorithm mutually for User Authentication.</p> <p>3. This equipment uses semiconductors and integrated circuits that are designed to have a high reliability.</p>
Composition	<p>1. LF Antenna Controller</p> <p>2. LF Antenna</p>

2. ELECTRONIC SPEC.

List	Unit ASS'Y Smart Key Module
Rated Voltage	DC 12.0V
Operating Voltage Range	DC 9.0V ~ 16.0V
Operating Temp. Range	-30°C ~ +80°C
Storage Temp. Range	-40°C ~ +85°C
Output Frequency	125kHz

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3. SPECIFICATION

Type	Wireless controller and wireless electronic equipment of specific low output radio station
Name	Unit ASS'Y Smart Key Module
Equipment List	LF Transmitter
Frequency	125KHz
Antenna Type	Type : Low Frequency ANTENNA
Communication Scheme	One-Way Communication
Equipment use	Transmitter certify with Smart Key built in Vehicle
Operating Temp.	-30℃ ~ +80℃

4. CIRCUIT EXPLAIN

1. If pressing Trigger Switch(outside) or Start Switch(Inside) , MCU(U1) receive that input
2. If MCU (U1) send serial data and wake-up pattern (SPI Communication) to LF Antenna Controller (U6), it is sent to external LF Antenna by LF Antenna Controller (U6).

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FCC

Part 15.19

This device comply with part15 of FCC rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device & its accessories must accept any interference received, including interference that may cause undesired operation.

Part 15.105

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Part15.21

Changes or modifications not expressly approved by the manufacturer (or party responsible) for compliance could void the user’s authority to operate the equipment

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