
Remote Keyless Entry (BONTEC-T009)

BONTEC Co., Ltd.

#27-31, HANCHUN-RI, DUCK-SAN -MYUN,, JINCHUN-GUN,CHUNG-BUK,KOREA

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FCC NOTICE

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITION:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,
INCLUDING INTERFERENCE THAT MAY CAUSE UNDERSIRED
OPERATION.

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 communication. 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 of an experienced radio/TV technician for help.

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.

An outline of Transmitter and ETACS

1. How to use BONTEC-T009

- BONTEC-T009 is Remote Keyless.
- This unit controll door lock/unlock with wireless.
- This unit consist of Transmitter(BONTEC-T009) and ETACS(BONTEC-E009)
- Lock button push , then door lock.
- Unlock button push, then door unlock.
- GLS button push, then rear glass open
- Lock button push more than 2 sec then PANIC alarm

2. Introduction of Transmitter

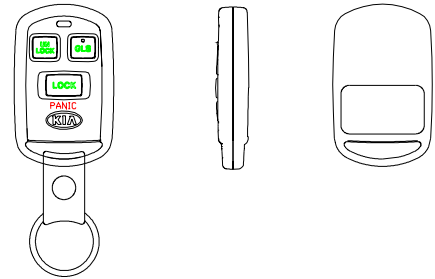
- Transmitter has three button
- Button marking are LOCK, UNLOCK, GLS
- Transmitter use thee voltage battery
- Freqency is 315Mhz
- Modulation item is SAW Resonator
- Transmitter use Rolling code algorithm

3. Introduction of ETACS

- ETACS control car door
- ETACS has RF module(315)
- RF module use super-heterodyne circuit
- ETACS control door relay ,hazard relay and rear glass relay
- ETACS has eeprom that save code

1. PRIMARY FUNTION

- Remote door lock/unlock
- Remote Back Glass Open/panic
- LED turn on (When button is pushed)
- Operating distance : 7~ 10 m
- Id input(setting mode)



2. ELECTRICAL CHARACTERISTICS

	TRANSMITTER	ETACS
model name	BONTEC-T009	BONTEC-E009
Operating voltage	3 VDC	10 ~ 16 VDC
Consumption current	Max 20mA	Max 5mA
Operating frequency	315MHz	
Power	10mW under	-
Sensitivity	-	-95dBm(typical)
Operating temperature	-20 ~ +60℃	-30 ~ +80℃
etc	AM modulation	Super-heterodyne

3. DESCRIPTION MODE

1) Mode

Mode	ID INPUT (Setting Mode)	Normal Mode
B+	ON	ON
KEYLESS	ON	OFF
ACC	ON	OFF
IG	ON	OFF
SETTING	ON	OFF

2) Id input(Setting Mode)

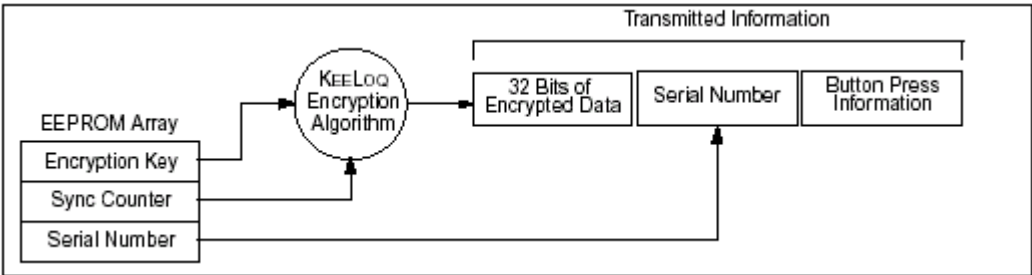
When Setting Mode, lock button push,

3. OPERATING DIAGRAM

1) TRANSMITTER

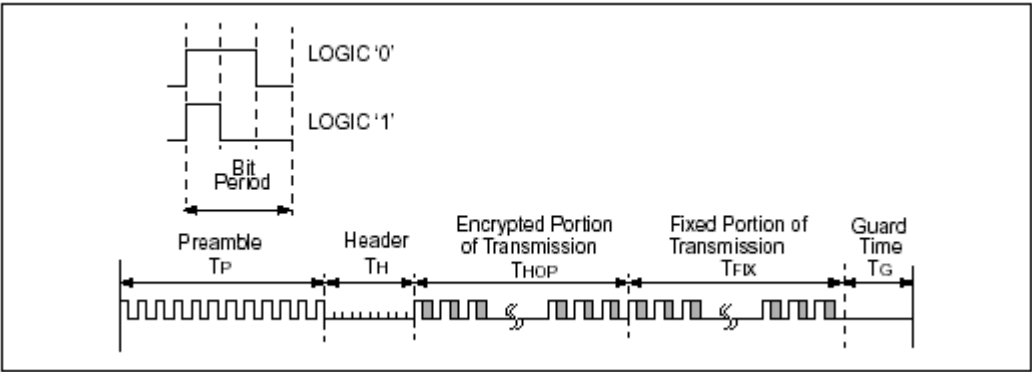
BASIC OPERATION OF TRANSMITTER (ENCODER)

A)



CODE WORD ORGANIZATION

B)



TRANSMISSION WORD FORMAT DURING SYNCHRONOUS TRANSMISSION MODE

C)

