

Remote Keyless Entry  
(HM-T008)

Hyundai Autonet Co., Ltd.

## FCC STATEMENT

**FCC NOTICE:** This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This devices may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generate, 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.

**Caution:** Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.

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## 1. An outline

### 1.1 How to use HM-T008

- HM-T008 & HM-E008 is Remote Keyless System.
- This unit is control door lock/unlock with wireless.
- This unit is consist of Transmitter.(HM-T008).
- Lock button push, then door lock.
- Unlock button push, then door unlock.

### 1.2 Introduction of Transmitter(HM-T008)

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

## 2. Description of Transmitter

### 2.1 Description of Transmitter

- Remote door lock/unlock
- LED turn on (When button is pushed.)
- Operating distance: 10m over
- ID input (setting mode)

### 2.2 ELECTRICAL CHARACTERISTICS

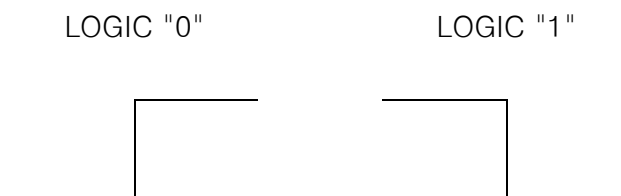
Item	TRANSMITTER
Model name	HM-T008
Operating voltage	3 VDC
Consumption current	Max 15mA
Operating frequency	315 MHz
Power	10mW under
Sensitivity	–
Operating temperature	–20 ~ +60℃
ETC	AM modulation

## 2.3 OPERATING DIAGRAM

### – DATA FRAME

BIT NO	H1~H178	D1~D8	D9~D32	D33~D40	D41~D52	D53~D56
DATA	HEADER	User Code	ID Code	Function Code	Rolling Code	Parity Code
BIT 수	178bit	8bit	24bit	8bit	12bit	4bit

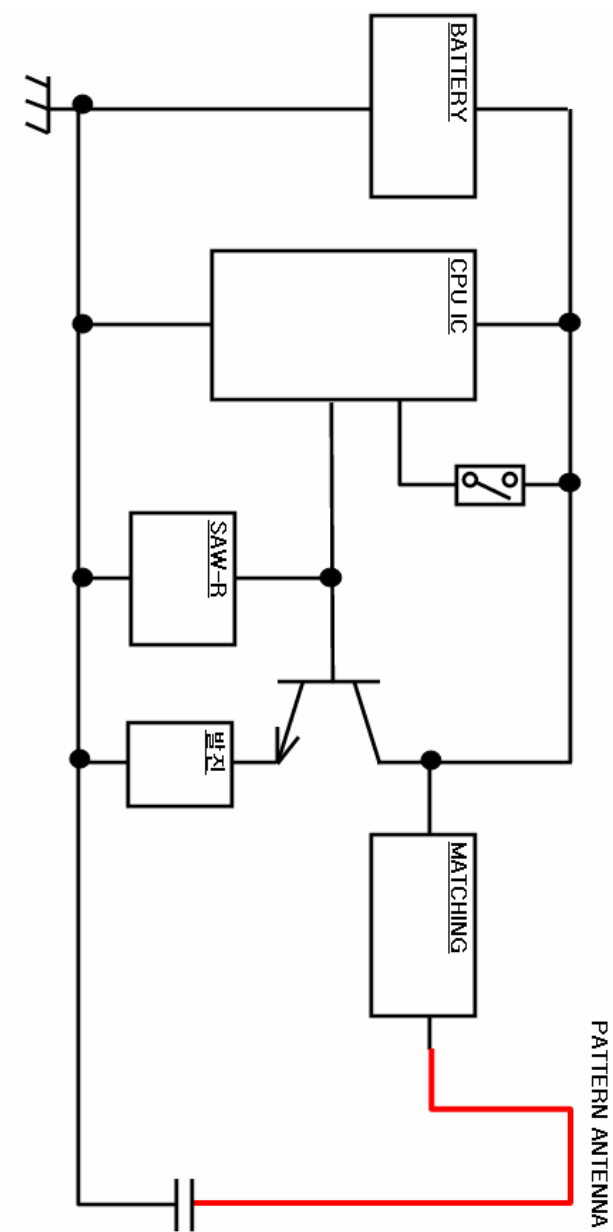
### – DATA FORMAT



### – TRANSMISSION SPECIFICATION

- . BAUD RATE : 625bps
- . CODING METHOD : MANCHESTER
- . TRANSMISSION BIT COUNT : 1 FRAME = 234BIT
- . TRANSMISSION TIME : 377.4msec

### 3. Block diagram from Transmitter



#### 4. A Picture of Transmitter

