Remote Keyless Entry
(HM-T012)

MOBIS Co., Ltd.

#80-9,MABOOK-RI, GUSEONG-EUP, YONGIN-SHI, GYUNGGI,449-910,KOREA

－ INDEX －

An outline of Transmitter

1. How to use HM-T012

- HM-T012 is Remote Keyless System.

- This unit controll door lock, unlock, tail gate unlock/glass open with wireless.

- This unit consist of Transmitter(HM-T012)

- Lock button push , then door lock.

- Unlock button push, then door unlock.

- Tail Gate Unlock/Glass Open button push, then tail gate or tail gate glass unlock.

2. Introduction of Transmitter(HM-T012)

- Transmitter has three button

- Button marking are LOCK, UNLOCK, TAIL GATE UNLOCK/GLASS OPEN

- Transmitter use thee voltage battery

- Freqency is 315Mhz

- Modulation item is SAW Resonator

- Transmitter use Rolling code algorithm

Description of Transmitter

1. PRIMARY FUNTION

- Remote door lock/unlock
- Remote tail gate unlock/glass open
- LED turn on (When button is pushed)
- Operating distance :10 m over
- Id input(setting mode)

2. ELECTRICAL CHARACTERISTICS

	TRANSMITTER
model name	
Operating voltage	3 VDC
Consumption current	Max 15mA
Operating frequency	315㎒
Power	10mW under
Sensitivity	−
Operating temperature	−20 ~ +60℃
ETC	FM modulation

3. DESCRIPTION MODE

1) Mode

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

2) Id input(Setting Mode)

When Setting Mode, lock button push,

4. OPERATING DIAGRAM

1) TRANSMITTER

A) 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

B) DATA FORMAT

LOGIC "0"   LOGIC "1"
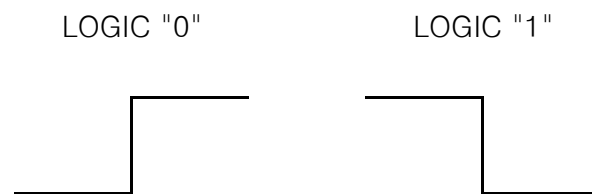
C) TRANSMISSION SPECIFICATION

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

Regulatory Information

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 operation.

CAUTION: changes or modifications not expressly approved by the party responsible

for compliance could void the user's authority to operate the equipment.