



FCC ID: TQ8HM-T034/ IC: 5074A-HMT034

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## ATTACHMENT E.

- User Manual -

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**Report No. : HCTR1004FR22**

**1/1**

# Description of Transmitter

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## 1. PRIMARY FUNTION

- Remote door lock/unlock/panic
- Operating distance : 30 m over
- Id input(setting mode)

|         |
|---------|
| BIT NO. |
| DATA    |
| BIT     |

## 2. ELECTRICAL CHARACTERISTICS

|                       | TRANSMITTER    |
|-----------------------|----------------|
| model name            | HM-T034        |
| Operating voltage     | 3 VDC          |
| Consumption current   | Max 15mA       |
| Operating frequency   | 315MHz         |
| Power                 | 75dBuV/m under |
| Sensitivity           | -              |
| Operating temperature | -20 ~ +60°C    |
| ETC                   | FM modulation  |

### 3. OPERATING DIAGRAM

#### 1) TRANSMITTER

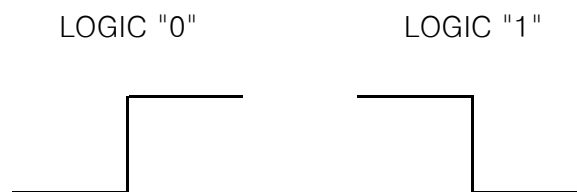
##### A) DATA FRAME

| 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     | 178bit  | 8bit      | 24bit   | 8bit          | 12bit        | 4bit        |

The diagram shows the timing of the data frame. The header (H1~H178) has a duration of 284.8ms. The remaining fields (D1~D8, D9~D32, D33~D40, D41~D52, D53~D56) have a combined duration of 89.6ms. The total duration of the entire data frame is 374.4ms.

##### B) DATA FORMAT



##### C) TRANSMISSION SPECIFICATION

- BAUD RATE : 625bps
- CODING METHOD : MANCHESTER
- TRANSMISSION BIT COUNT : 234Bit
- TRANSMISSION TIME : 374.4ms±15%

This equipment has been tested and found to comply with the limits for a Class A 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.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

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.

**IC Warning**

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