4) Data format.

a) Coding : Manchester

b) Data Speed : 625bps

c) Data packet : 1 Frame (192bit)

d) Transmitting time = 307.2mS+/- 20%

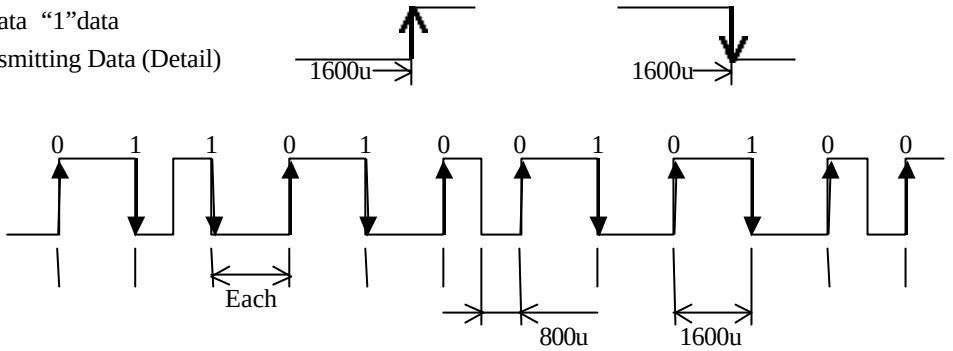
e) Data format (After coding)

Header (136bit)	User Code (8bit)	ID Code (24bit)	Function Code (8bit)	Rolling Code (12bit)

f) Bit timing (After coding)

"0"data "1"data

Transmitting Data (Detail)



Pulse width : 800uS +/- 20%, & 1600uS +/- 20%

5. System description.

About the Transmitter of Keyless Entry System, that action principle is written as below.

The Transmitter can transmit a signal by switch operation.

All circuits inclusive of a micro processor are halt condition, (The condition that waits for same input of switches.)

When you press the one of four buttons, the micro starts the operation.

The micro reads ID code & Rolling code from the EEPROM of Transmitter.

After reads the codes, the micro make the other codes and data format.

Then the micro sends the data to Oscillator.

The Signal is generated by Oscillator.

The oscillator only acts when the data from the micro is "HIGH".

When the transmission data finished, the micro become halt mode, and it waits input from the Button.

Transmitter Specifications.

282684Z Transmitter		
1	Function	LOCK / UNLOCK /TRUNK/PANIC(4 Buttons)
2	Operation Frequency	315MHz (Carrier Generated by SAW -Resonator)
3	Antenna	Integrated
4	Radiated Emission	Meet FCC Part 15 (US) & RSS210 (Canada)
5	Operating Temperature	-20 to +60deg. C
6	Operation Voltage	3V DC (1 Lithium Battery / CR2025)
7	Operating Current	20mA Typical
8	Standby Current	2.5uA Maximum
9	Battery Life	2year Minimum
10	Identification Codes	24bit
11	Modulation	Amplitude (Digital)
12	Coding	Manchester
13	Bit Rate	625bps