5. Features

5.1 Transmission frame

The transmission begins immediately in case of any button is pressed.

The transmission frame consists of the synchronous frame and the data frame. The synchronous frame has 324 bit codes that it will be used for the receiver to wake up. The data frame consists of 28-bit length identification code, 24-bit security code, 4-bit function code and 8-bit quality check code.(sometimes). 16000000 different identification codes are available. The security code is always changed in case of any of the buttons is pressed. The transmission time is typically 220 milliseconds.

5.2 Battery saving

To prevent the battery exhaustion, the microcomputer of the transmitter is usually inactive. When the button will be pressed, the microcomputer wakes up immediately and judges which button is pressing. Then the microcomputer constructs the transmission frame and radiates it from the antenna. After transmitting, the microcomputer switches stand-by mode by itself.