

Operation Description

The power of the remote unit is provided by a 1.5V DC battery. The oscillation and emission circuit is controlled by the output of the transmitter chipset EM198850AW. While the RFout pin of EM198850AW is high the oscillation and emission circuit will be turned on and send out the radio frequency signal. While the RFout pin of EM198850AW is low the oscillation and emission circuit will be turned off and send out nothing. This procedure generates a GFSK modulated radio frequency signal. In the condition without key pressed the transmitterchip EM198850AW stays in the sleeping mode and its output is low and the oscillation and emission circuit to be turned off and without radio frequency signal output. When any key is pressed, the transmitter ship EM198850AW will read the EEPROM for configuration progressing and then send out a coded signal and this signal to modulate a 2.4GHz oscillation circuit base on a 12MHz Crystal to generate a GFSK modulation radio frequency signal.

This modulation signal is directly sent out by transmitter chip EM198850AW through a antenna matching network.