

1) Technical Description

The Transmitter consists of four momentary push button switches, an RF oscillator (315Mhz SAW based), a single 3V lithium coin cell battery, and a custom IC.

In normal use nothing occurs until one of the four buttons is pressed. The custom IC determines which button was activated, then constructs the correct digital message which is sent to the RF oscillator at a 2 kHz rate. The RF oscillator is a simple ON-OFF Keyed stage. Once the transmission is complete the custom IC goes into a standby mode and remains inactive until the next button is pressed.