

**Company: Levven Automation Inc.**

**Make: GoConex**

**Models: GSW**

The circuit is powered by a CR2032 coin battery.

EZR32HG220F64R55 is an integrated circuit microcontroller and radio transceiver.

Radio signals are transmitted and received on one of 33 channels from 903 MHz to 927 MHz.

A PCB antenna is used to transmit and receive radio signals.

An indicator LED can inform the user of status information.

The IC uses an external 30 MHz crystal oscillator.

There are two switches by which users can give inputs to the IC.

Basic operation state machine:

- A. Powered when a battery inserted
- B. Go to sleep mode to conserve energy
- C. Go to active mode from sleep mode by pressing any button
- D. Send wireless signals accordingly
- E. Wait for an acknowledgement from the receiving party
- F. Go to B