

ER-01 Remote Control Operation

The **ER-01** is a keychain transmitter, it allows you to remote control the **EWC-2** unit.

The circuit descriptions are as below :

1. The pulse encoder generator IC (U1) is on stand-by mode when not pushing any keys.
2. When pushing the switch (SW1 or SW2) the encoder starts to generate a pulse frame on PIN 17 and modulation (ASK) to the UHF (433.92MHZ) osc. after transmitted to the air.
3. The UHF osc. contains of transistor (Q1) and saw filter (SAW1). The transmit freq is fixed by saw filter on $433.92\text{MHZ} \pm 100\text{KHZ}$. No adj. part is needed to tune the transmit freq.
4. The SW1 and SW2 change the sync code by U1 (PIN 12 or 11) and the user code setting method by changing the tri-state pin header to match the code which set on receiver (**EWC-2**) header.