



# SUN FU CHEONG ELECTRONICS CO. LTD.

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## Technical description for remote water alarm

### Transmitter :

- When water sensor SEN1 sense connection (decrease of resistance), it trigger IC2 to drive the buzzer and also trigger IC1 to encode signal though Q2
- Then signal is modulated and transform to RF signal though Q101
- RF signal is then send out by ANT1
- There is a TEST mode switch which by pass the water sensor and trigger IC2 directly

### Receiver :

- ATN sense signal and detected by T1 and Q1 on 312 MHz
- Then signal is buffered by U1
- Signal decoded by IC1 with 3 address channel switch
- If signal is correct, it trigger Q3 and U2 to drive Q2 for buzzer BZ1
- Receiver unit can be powered by 9V battery or 9VDC adapter which is filtered by L4, L5
- There is a TEST mode switch which trigger Q3 directly