

Technical Description

FCC ID: S8AJWGKDL

Model: DB-1132

DB-1132 is a wireless door chime operating at 315 MHz. The RF signal transmitted by the remote control is received by the PCB antenna. The 315 MHz RF signal is then detected by the super-regenerative receiver which consist of Q1 and it surrounding tuned circuit C1, C2, C3, C4, CV1 and L1. At the same time, the code information is demodulated from the RF signal by making use of the frequency response of the transistor Q1 (KSP10), which act like a envelope detector.

The code impulse is coupled through C9 to the amplifier consist of Q2, Q3, Q4 and it surrounding tuned circuit for further amplification to ensure the sufficient sensitivity for the reception. The code impulse is verified and decoded by IC1 (SD7296). If the code is correct, ring tone will be generated.

The ring tone generated will pass through the volume control circuit and the amplifier Q5 and to the speaker finally.