

Circuit description of Appliance module ZW-02A

The MCU module ZM3102 U1 handle the RF operation of transmit at frequency 908.42MHz, this signal frequency was set by L1 and C8 with different value for US and EU version, and reach distance of 100 feet at line of sight condition. Power supplied by two AAA battery and due to long term work so MCU will power down after time period, SW1 reed switch is keep at ON state when electromagnetic block close, Sw2 micro switch also keep at ON state when implements for door/window sensor. J1 connector reserved for on line programming. U1 also control communication to Z-wave network and other devices due to there is routing table exist for indirect RF signal control used, and monitor status of sw1 and sw2 to generate alarm signal then transmit to bridge for forward application use.