



## TECHNICAL DESCRIPTION

### MODEL IG-002 REMOTE TRANSMITTER

#### DESCRIPTION

The transmitter is a low-power communication device operating at frequency range in 433.92MHz. The signal is a digital-coding modulated transmission which transmitted data to a receiver.

#### FUNCTION

The momentary switch (SW1) activates the transmission.

The digital modulator is employed in the proprietary integrated circuit (U3), which sends encoded digital data. Ceramic Resonator (Y1) and Capacitor (C1, C2) established the clock rate of 4MHz.

The IC (U1) is a single chip transmitter IC. The crystal (Y2) and capacitor (C10, C11) established the clock rate of 13.56MHz.

The RF matching in IC (U1) is controlled by C13, L2, C18, C19, C20 and couple to the antenna wire as the principle radiating element. The RF frequency is in 433.92MHz.

The unit operates in 3V of CR2032 battery.

Warning: Changes or modifications to this unit not expressly approved by the party responsible of compliance could void the user's authority to operate the equipment.