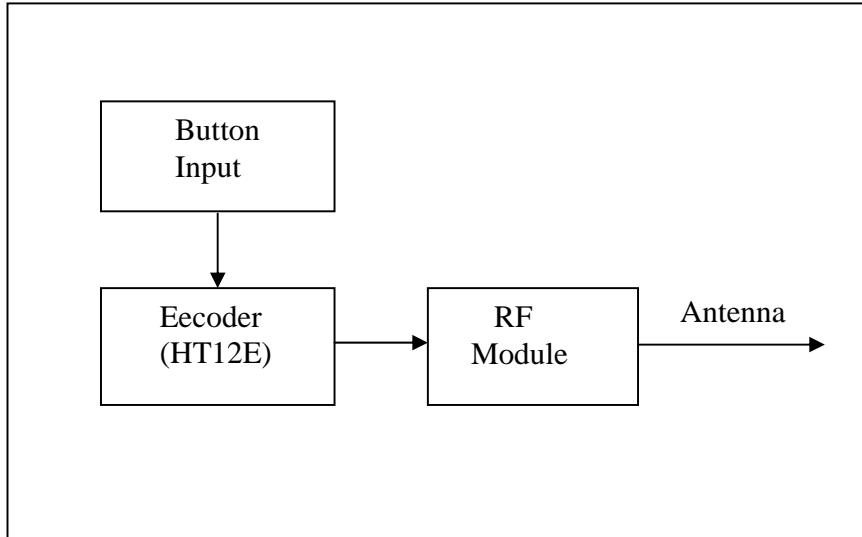


## Netguard Transmitter Diagram



### General Description

When any button of the transmitter is pressed and held, the encoder circuit and RF module is powered on by one 12V alkaline battery inside the transmitter.

The HT12E encoder encodes the address and data (button states) information together with header bits and generates serial output to RF module.

The RF module generates 433.92M Hz oscillation signal, mixes the low frequency input signal from HT12E and transmits the carrier signal through in-circuit antenna.

When the pressed button is released, the whole transmitter circuit is powered off, so there is no power consumption when no buttons are kept on pressed, thus minimize the power consumption of the transmitter.