

6031TX

Heath®/Zenith Model number: 6031
FCC Model designation 6031TX
FCC ID#: BJ4-60WRC31TX
IC#: Canada: 3984A-6031TX

6031 Description

Two AA batteries power this unit. The input power is connected to a motion detector IC, which switches power on and off to the transmitter encoder circuit when motion is detected. When a key is pressed, the motion detector IC switches power on to the transmitter section. The transmitter encoder IC then supplies a digital code to the RF section of the circuit, which is transmitted by the RF circuit.

The dipswitches control the digital code which is sent. The A or B control selection and channel selection (1 to 8) are determined by the dip switch settings. An LED indicates when motion is detected. Upon detecting motion, the motion detector IC provides command data to the encoder IC, and enables it to output the data.

The output of the encoder chip goes through the oscillator/modulator stage. A SAW locks the frequency, which is tuned for 315M Hz. The encoded signal is then sent through the “helical” antenna mounted on the front of the PCB and the RF output is transmitted into the air.