

6002 REMOTE CONTROL TX

Heath®/Zenith Model number:	XX-6002 (XX prefix changes for different brands)
FCC Model designation	6002TX
FCC ID#:	BJ4-60WRC02TX
IC#:	Canada: 3984A-6002TX

6002 Description

Two AAA batteries power this unit. The input power is connected to the micro controller, which switches power on and off to the remainder of the circuit. When a key is pressed, the micro controller switches power on to the transmitter section. The micro controller also supplies a digital code to the RF section of the circuit, which is transmitted by the RF circuit.

The dipswitch controls the coding of the digital code. The A or B control selection, the number pressed (1 through 8), and the command button pressed (ON, OFF, or DIM) also determine the code. The ALL ON, ALL OFF, and PANIC selection transmits to all the codes in order to issue that command to each receiver device in use. This process takes about 4.8 seconds.

Two LEDS indicate when the transmitter is active and which control selection (A or B) is in use. The transmitter does not transmit when the numbers 1 through 8, or the A or B button is pressed. These are configuration buttons.

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.