



In terms of the functional description:

BZ1 is a ceramic piezo element against which a 4mm steel ball runs. The voltage generated is amplified by TR1, and the logic is switched to the processor pin 7 via TR3.

TR2 has 2 functions in that it is a pulse stretcher, and also has the 10 second inhibit function.

Upon receipt of a pulse from TR3, Pin 6 of the processor pulse hi momentarily to charge C1 via D1. C1 holds TR2 on until discharged via R4.

Upon receipt of a pulse on Pin 8, Pin 3 of the processor modulates the RF oscillator via R13. The oscillator frequency is SAW stabilised at 433.92 MHz by SAW1.

TR4 is a battery voltage detection circuit, which is monitored on pin 5 of the processor, and low battery voltage is indicated on the LED.

The transmitter can also be enabled by depressing switch 1.