



The 0.1 uH choke may be attached to antenna at any point to ground. The value is not critical. The 5082-2835 is a Schottky detector diode and other high frequency detector diodes will work. The 100 pF should have short leads between the diode and ground. A ceramic type is fine. The 1 uF below the 3.9 k is a non-polar type for low leakage. The 3.9 k resistor may be increased to reduce the gain if the circuit is unstable. The 1N914 diodes may be any silicon small-signal diodes. The associated 0.47 uF capacitors are non-polar types. The 47 k sets the sensitivity of the second op-amp comparator circuit. A lower value will increase the sensitivity but too low a value may cause instability. The VN0300 may be just about any N-channel small-signal mosfet transistor. The CUB3R is a general-purpose counter module, similar to many others. The LH1547 is one type of many available LED-based isolator/switches. Feel free to choose another type that will operate with an LED current of a couple of mA. The doorbell is a Radio Shack model with terminals on the back for a remote switch. The terminal with the positive voltage is connected to pin 4 of the LH1547. The MAX478 op-amp is a micro-power type that draws only 34 uA. Other similar types are available.

It would be better to use single op-amps and two batteries, one for each op-amp. Breaking the connection between the op-amp power leads will reduce feedback and allow for higher gain, if desired.