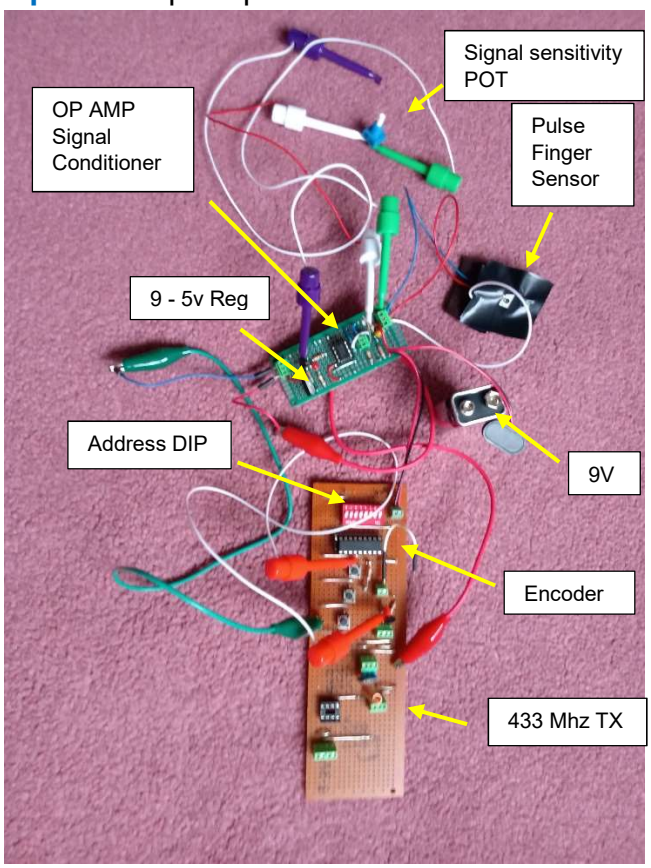
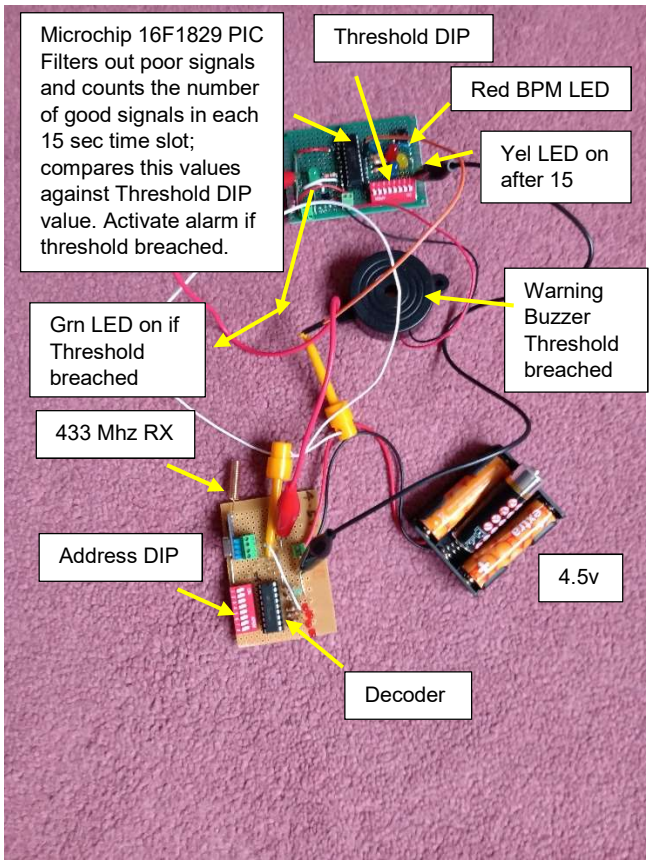
Possible Heart Rate Monitor Solutions

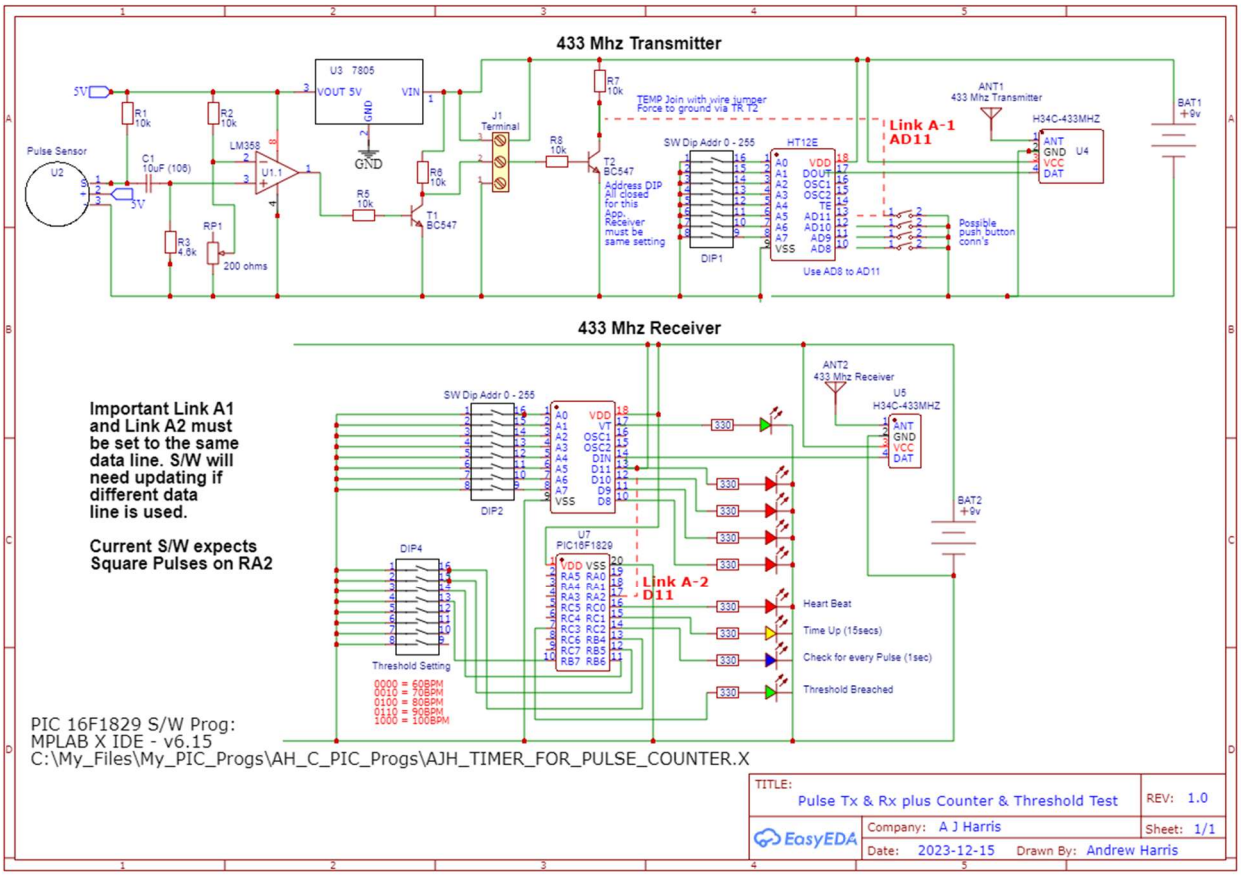
(Update12/01/23)

Option 1 Op Amp Conditioner – Encoder – 433Mhz TX – 433Mhz RX – Decoder – PIC 16F1829



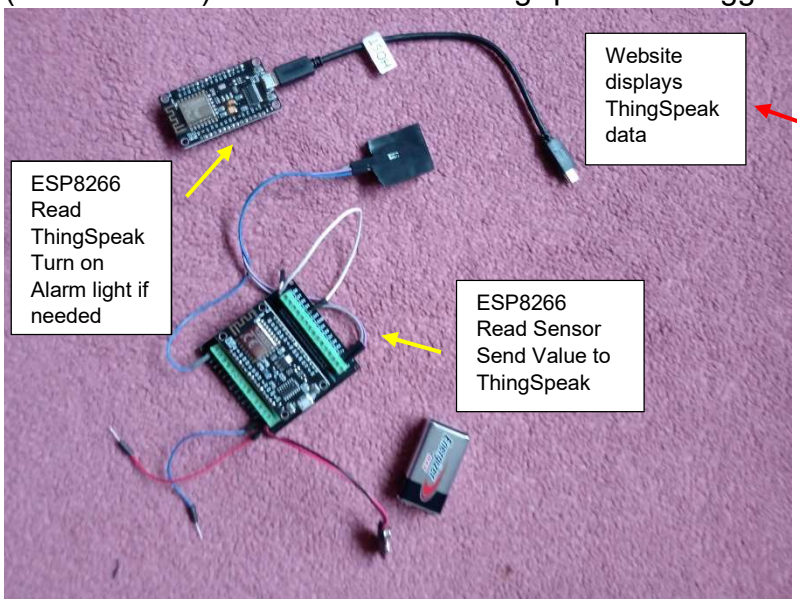


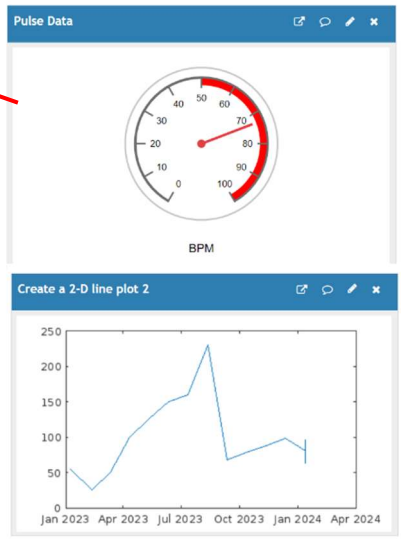
S/W Prog: MPLAB X IDE - v6.15C:\My_Files\My_PIC_Progs\AH_C_PIC_Progs\AJH_TIMER_FOR_PULSE_COUNTER.X



"C:\My_Files\MY_EasyEDA_Diags\Schematic_Pulse_Counter_2024-01-15.png"

Option 2 IOT Approach (1st ESP8266) read pulse sensor and write value to ThingSpeak.com. (2nd ESP8266) read value from ThingSpeak and trigger alarm.





S/W Progs: Arduino IDE C:\Users\aharr\Documents\Arduino\Pulse_ESP8266_Thingspeak
C:\Users\aharr\Documents\Arduino\AJH_Read_ThingSpeak

Webpage: https://www.simplyinformed.uk/Development/Development.html Visual Studio Code IDE

See File: 'Possible Heart Rate Monitor Solutions.docx' for program details

Option 3 Stream?, OBS?, Pulsoid (Chest Strap or Apple watch)

26/01/24 AJH Setup with Pulsar H10, Pulsoid, Lumia and OBS
See File C:\My_Files\My_Notes**Streaming_HeartRate_BPM.docx**

Option 4? Arduino Bluetooth – Arduino IOT, IFTTT

Option 5? Excessive Movement detection Option 6? Time Controlled Lights