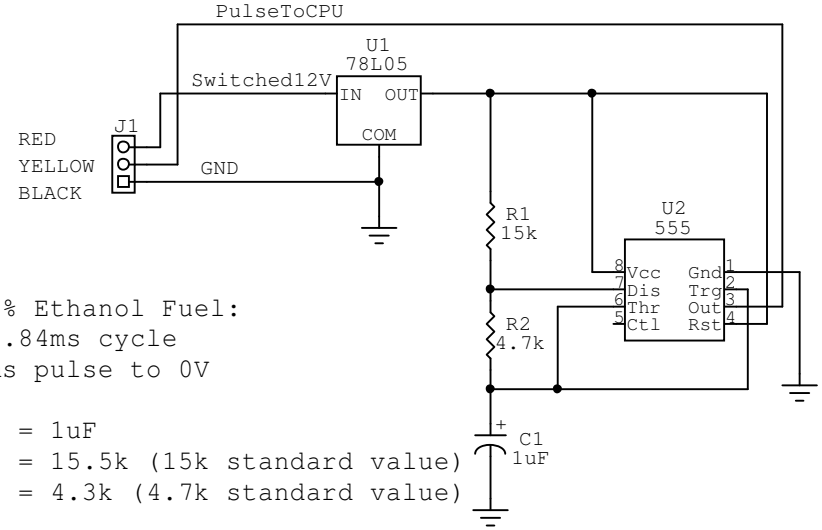

10% Ethanol Fuel:
16.84ms cycle
3ms pulse to 0V

C1 = 1uF
R1 = 15.5k (15k standard value)
R2 = 4.3k (4.7k standard value)

Build this circuit and insert it in place of the sensor. I built mine on a small perf board and fully encased it in hot glue after verifying that it was firing with an oscilloscope.

Using the standard values the engine will think it is running 8.5% ethanol fuel, which is VERY close to actual for fuel labeled "up to 10% ethanol".

Ron Rossi	
Output signal which emulates E10 (10% ethanol) fuel response from the Fuel Composition Sensor.	
Rev 1.0	ID GM E10 Pulser
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