#include<LiquidCrystal.h>

LiquidCrystal lcd(12,11,10,9,8,7);

float value=0;

float rev=0;

int rpm;

int oldtime=0;

int time

void isr() //interrupt service routine

{

rev++;

}

void setup()

{

lcd.begin(16,2); //initialize LCD

attachInterrupt(0,isr,RISING); //attaching the interrupt

}

void loop()

{

delay(1000);

detachInterrupt(0); //detaches the interrupt

time=millis()-oldtime; //finds the time

rpm=(rev/time)\*60000\*3; //calculates rpm for blades

oldtime=millis(); //saves the current time

rev=0;

lcd.clear();

lcd.setCursor(3,0);

lcd.print("TACHOMETER");

lcd.setCursor(4,1);

lcd.print( rpm);

lcd.print(" RPM");

lcd.print(" ");

attachInterrupt(0,isr,RISING);

}

Circuit diagram

