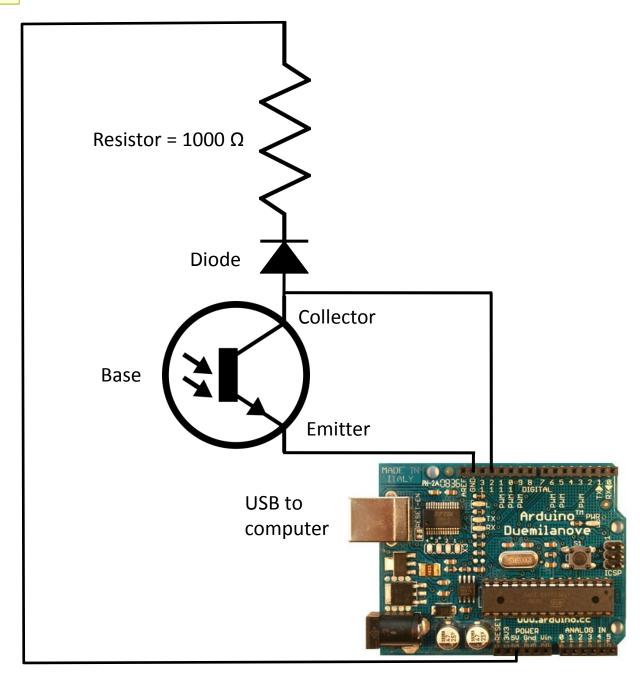
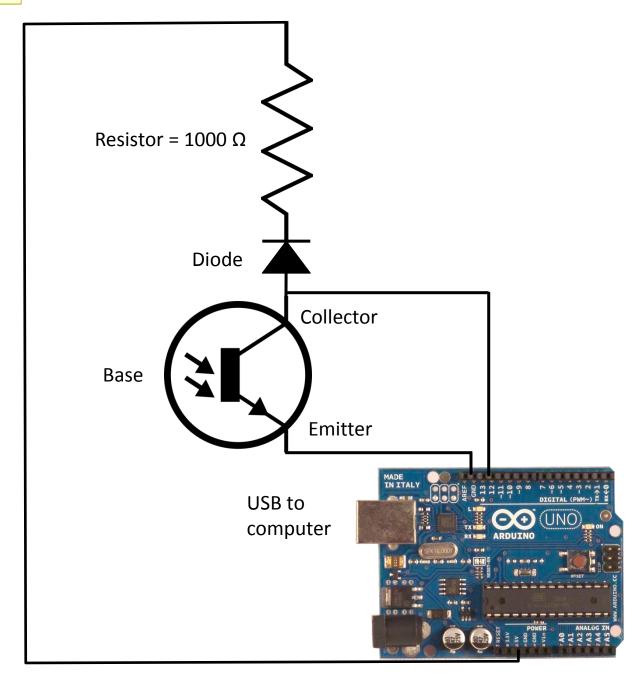


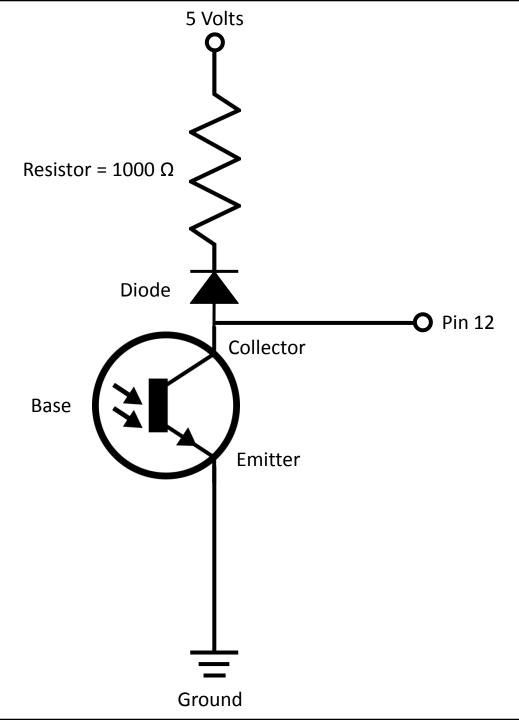
Circuit components, photos and circuit diagram equivalents tmessina, 8/23/2011 t12



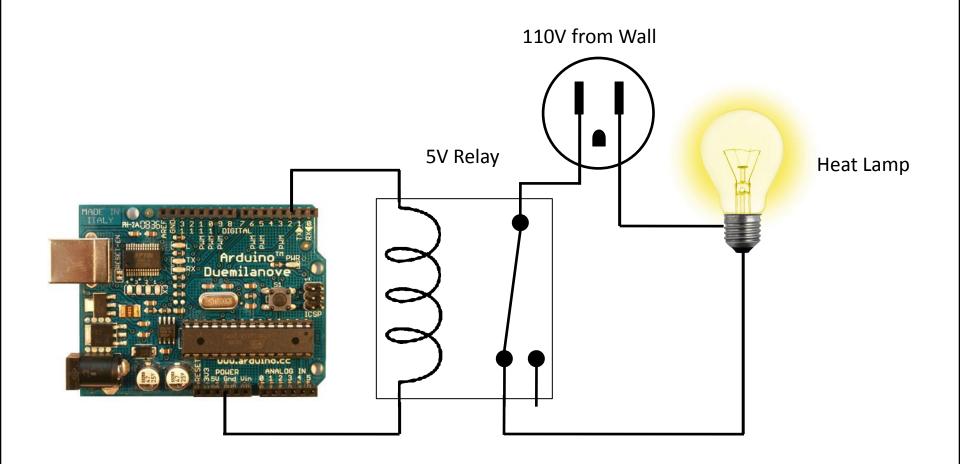
Photosensing circuit shown with Arduino duemilanove tmessina, 8/23/2011 t11



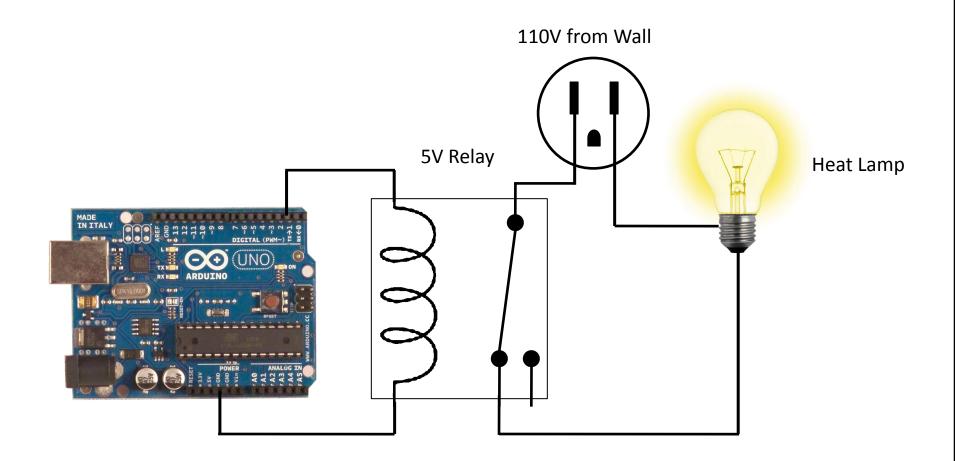
Photosensing circuit shown with Arduino Uno tmessina, 8/23/2011 t10



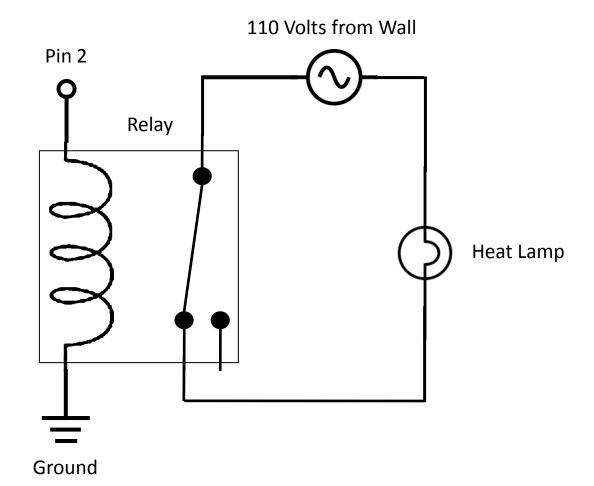
Photosensing circuit tmessina, 8/23/2011 t9



Heat lamp operating circuit shown with Arduino duemilanove $_{\hbox{\scriptsize tmessina},\,8/23/2011}$ t8

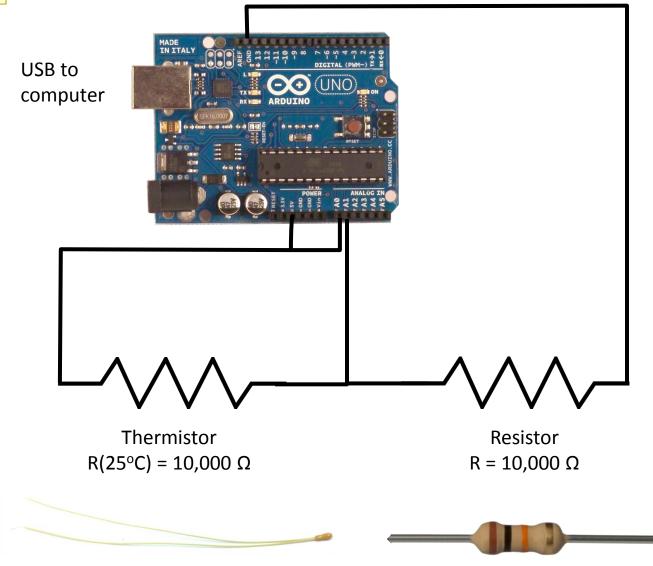


Heat lamp operating circuit shown with Arduino Uno tmessina, 8/23/2011 **t7**



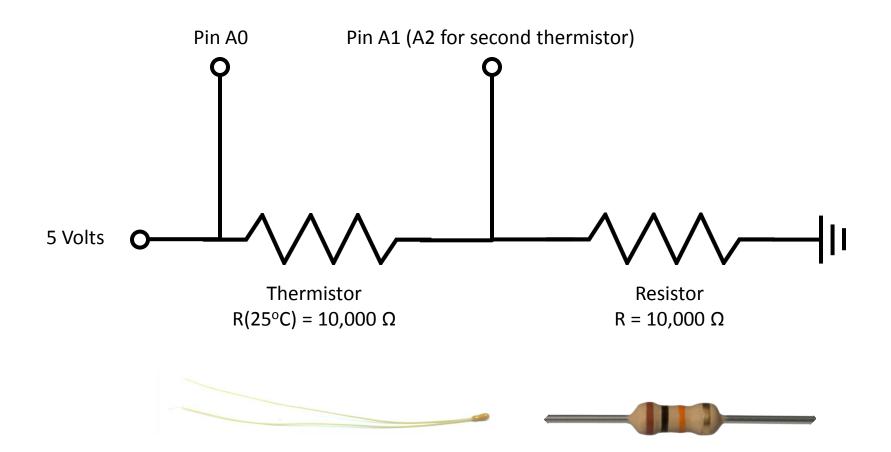
Heat lamp operating circuit tmessina, 8/23/2011 t6





t5

Thermistor circuit for monitoring a single temperature shown with Arduino duemilanove. To measure a second temperature set up the same circuit using A2 instead of A1, do not make a second connection to A0. tmessina, 8/23/2011



Thermistor circuit for monitoring a single temperature. To measure a second temperature set up the same circuit using A2 instead of A1, do not make a second connection to A0. tmessina, 8/23/2011 t4

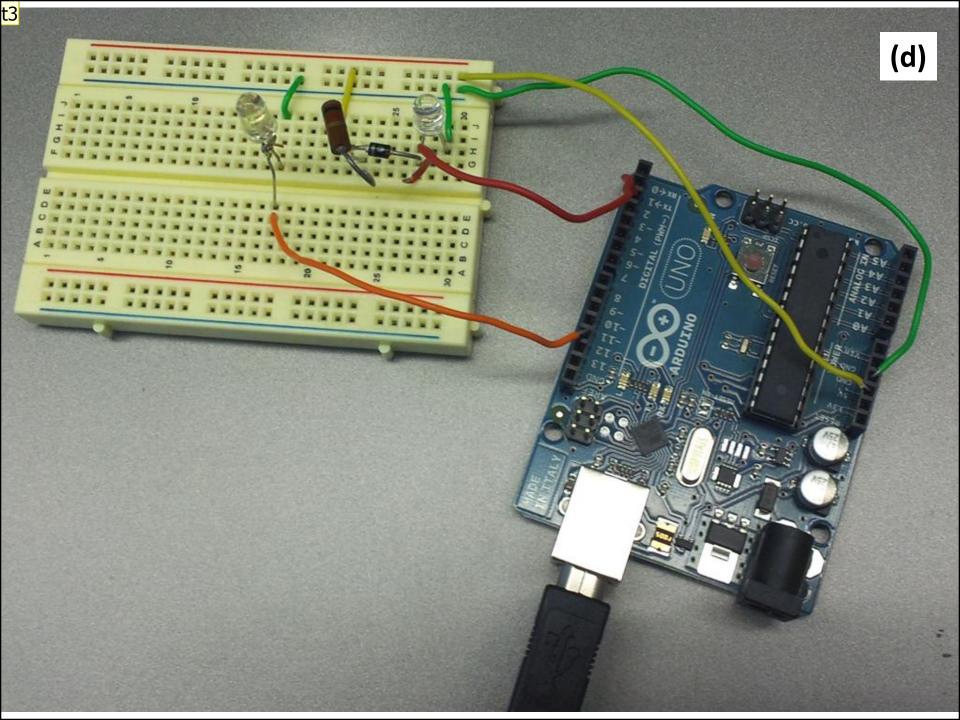
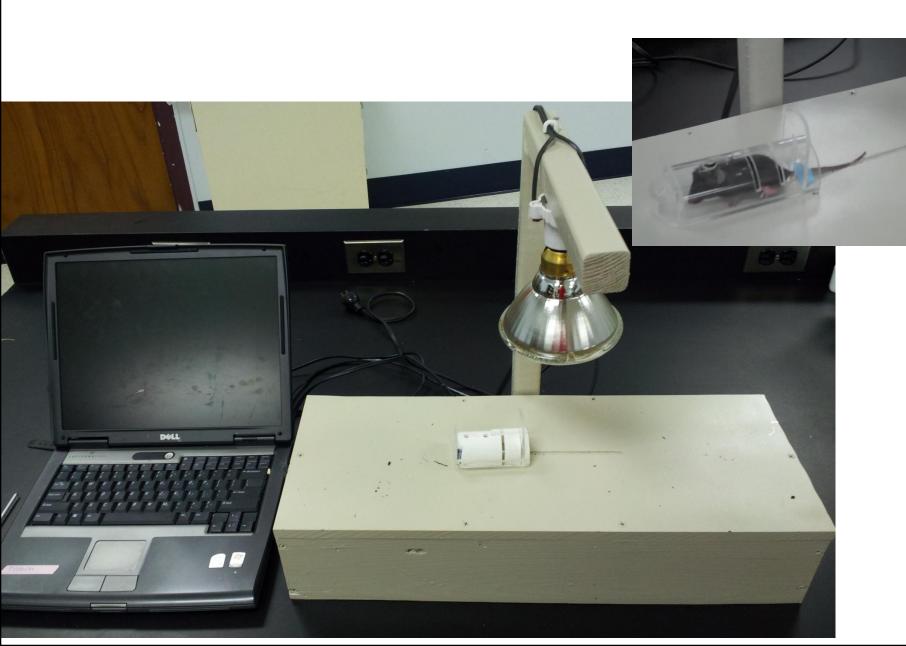
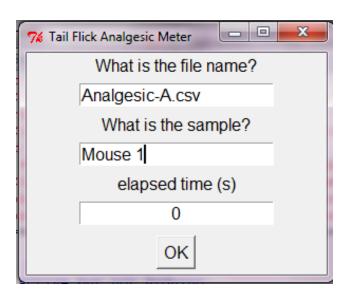


Photo of the photosensing and heat lamp operating circuit. An LED is in place of the relay. tmessina, 8/23/2011



A photo of the entire apparatus and a mouse in a rodent immobilizer. $_{\mbox{\footnotesize tmessina},\ 8/23/2011}$ t2

t1



The GUI interface created by Python program tmessina, 8/23/2011 t1