PIR Cidlo



##

## Delay nastvit na minimum

## Citlivost na polovic

http://www.raspberrypi-spy.co.uk/2013/02/cheap-pir-sensors-and-the-raspberry-pi-part-2/

http://www.cmprogrammers.com/post.php?data=2014-08-05+20:38:00

wget http://www.cmprogrammers.com/projects/documents/alarm.py

wget http://www.cmprogrammers.com/projects/documents/uz.sh



**import RPi.GPIO as GPIO
import time

# Use BCM GPIO references
# instead of physical pin numbers
GPIO.setmode(GPIO.BCM)
# Define GPIO to use on Pi
GPIO\_PIR = 7
GPIO\_LED = 17

print "PIR Module Test (CTRL-C to exit)"
# Set pin as input
GPIO.setup(GPIO\_PIR,GPIO.IN) # Echo
GPIO.setup(GPIO\_LED,GPIO.OUT)

Current\_State = 0
Previous\_State = 0

GPIO.output(GPIO\_LED,True)
time.sleep(2)
GPIO.output(GPIO\_LED,False)
try:
 print "Waiting for PIR to settle ..."
 # Loop until PIR output is 0
 while GPIO.input(GPIO\_PIR)==1:
 Current\_State = 0

 print " Ready"
 # Loop until users quits with CTRL-C
 while True :
 # Read PIR state
 Current\_State = GPIO.input(GPIO\_PIR)

 if Current\_State==1 and Previous\_State==0:
 # PIR is triggered
 print " Motion detected!"
 print time.ctime()
 GPIO.output(GPIO\_LED,True)
 # Record previous state
 Previous\_State=1
 elif Current\_State==0 and Previous\_State==1:
 # PIR has returned to ready state
 print " Ready"
 GPIO.output(GPIO\_LED,False)
 Previous\_State=0

 # Wait for 20 milliseconds
 time.sleep(0.02)
except KeyboardInterrupt:
 print " Quit. Cleaning up GPIOs"
 GPIO.cleanup()**