Hall effect sensor ky003----------

Connections -

Signal=GPIO24[Pin 18]

+V=3,3V[Pin 1]

GND=GND[Pin 6]

# needed modules will be imported

import RPi.GPIO as GPIO

import time

GPIO.setmode(GPIO.BCM)

# The input pin of the sensor will be declared. Additional to that the pull-up resistor will be activated.

GPIO\_PIN = 24

GPIO.setup(GPIO\_PIN, GPIO.IN, pull\_up\_down = GPIO.PUD\_UP)

print "Sensor-Test [press ctrl+c to end it]"

# This output function will be started at signal detection

def ausgabeFunktion(null):

print("Signal detected")

# At the moment of detecting a signal ( falling signal edge ) the output function will be activated.

GPIO.add\_event\_detect(GPIO\_PIN, GPIO.FALLING, callback=ausgabeFunktion, bouncetime=100)

# main program loop

try:

while True:

time.sleep(1)

# Scavenging work after the end of the program

except KeyboardInterrupt:

GPIO.cleanup()