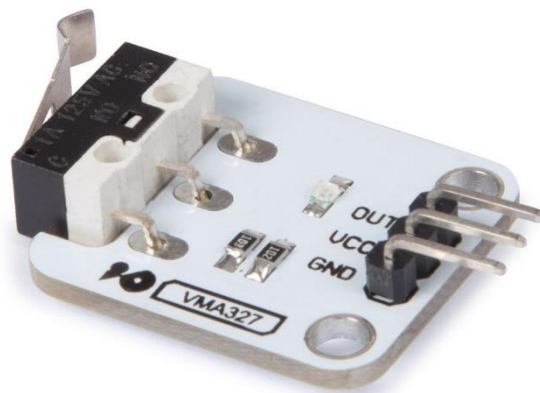# WHADDA

EXCITING ELECTRONICS

EN   end-stop switch module

WPM327

Introduction

To all residents of the European Union
Important environmental information about this product
This symbol on the device or the package indicates that disposal of the device after its lifecycle could harm the environment. Do not dispose of the unit (or batteries) as unsorted municipal waste; it should be taken to a specialized company for recycling. This device should be returned to your distributor or to a local recycling service. Respect the local environmental rules.
If in doubt, contact your local waste disposal authorities.

Thank you for choosing Whadda! Please read the manual thoroughly before bringing this device into service. If the device was damaged in transit, do not install or use it and contact your dealer.

Safety Instructions

Read and understand this manual and all safety signs before using this appliance.

For indoor use only.

- This device can be used by children aged from 8 years and above, and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the device in a safe way and understand the hazards involved. Children shall not play with the device. Cleaning and user maintenance shall not be made by children without supervision.

General Guidelines

- Refer to the Velleman® Service and Quality Warranty on the last pages of this manual.
- All modifications of the device are forbidden for safety reasons. Damage caused by user modifications to the device is not covered by the warranty.
- Only use the device for its intended purpose. Using the device in an unauthorized way will void the warranty.
- Damage caused by disregard of certain guidelines in this manual is not covered by the warranty and the dealer will not accept responsibility for any ensuing defects or problems.
- Nor Velleman Group nv nor its dealers can be held responsible for any damage (extraordinary, incidental or indirect) – of any nature (financial, physical...) arising from the possession, use or failure of this product.
- Keep this manual for future reference.

What is Arduino®

Arduino® is an open-source prototyping platform based on easy-to-use hardware and software. Arduino® boards are able to read inputs – light-on sensor, a finger on a button or a Twitter message – and turn it into an output – activating of a motor, turning on an LED, publishing something online. You can tell your board what to do by sending a set of instructions to the microcontroller on the board. To do so, you use the Arduino programming language (based on Wiring) and the Arduino® software IDE (based on Processing). Additional shields/modules/components are required for reading a twitter message or publishing online. Surf to www.arduino.cc for more information.

Specifications

- operating voltage: 5 V
- connection: 3 pins (VCC = 5 V, GND and OUT)
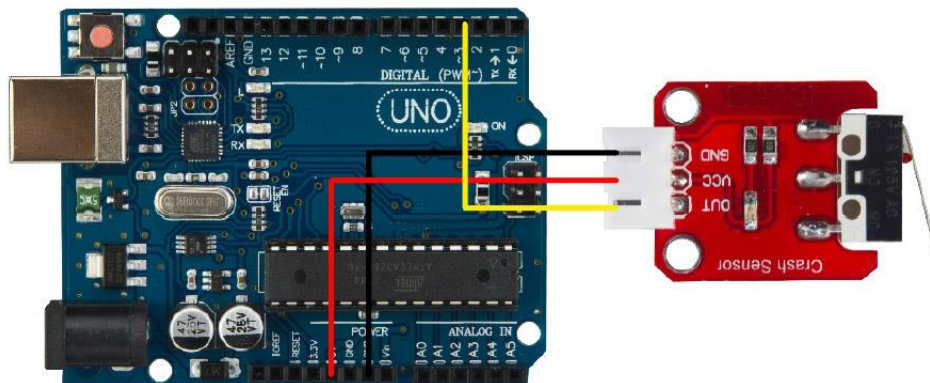- dimensions: 25 x 15 mm
- weight: 4 g

Features

- integrated pull-up resistor and LED

Pin Layout

OUT	low or high-output signal; the signal is LOW when the end stop is activated
Vcc	power
Gnd	ground

Example

In this example, you need connect an LED to pin13.

```
// CODE BEGIN

int Led=13;  // variable Led = connected to digital pin 13 (Which is on your Arduino®
compatible board connected to a LED as well)
int buttonpin=3;  // Variable buttonpin = connected to digital line 3, this is where the
WPM327 output has to be connected for this test
int val;
 void setup()
{
pinMode(Led,OUTPUT); // declare Led (digital 13) as output
pinMode(buttonpin,INPUT); // declare buttonpin (digital 3) as input
 }
void loop()
{
val=digitalRead(buttonpin);  // read the value of buttonpin (digital 3)
 if(val==HIGH)          // if this value is high ...
{
     digitalWrite(Led,HIGH); }  // then switch Led (digital 13) to High
  else { digitalWrite(Led,LOW); } // else .. switch to low
 }
// CODE END
```