WHADDA WPSE472 Contectless Liquid Water Level Sensor Module Instruction Manual

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whadda.com

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 unauthorised 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 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

Product overview

This practical module can sense the presence of water. It is contactless because there is no sensing element that makes physical contact with the water. The sensor is even able to detect the presence of water through small thicknesses of plastic, glass, ceramic, and other non-metallic materials.

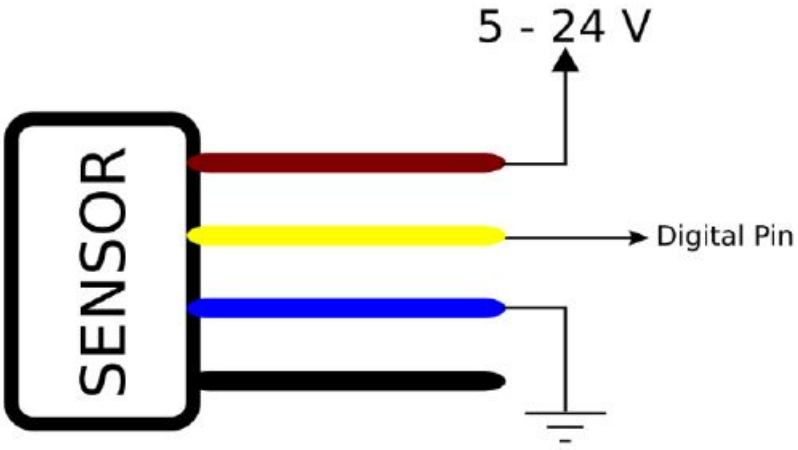
The sensor features a built-in red indicator LED that lights up when water is detected and the detection signal will output a high signal when water is present. The polarity of the detection signal can be changed by grounding the black wire, which will change the detection signal type to an active low signal. The sensor's sensitivity can be adjusted by opening the top cover and turning the blue potentiometer.

Specifications

Supply voltage: 5 – 24 V DC
Operating current: < 5 mA
Cable length: ± 50 cm
Connector: 4 pin dupont
Dimensions (W x L x H): 28,3 x 28,3 x 16,8 mm

Wiring description

Pin	**Name**	**Arduino® connection**
Brown wire (VCC)	Supply voltage (5 – 24 V DC)	5V
Yellow wire (OUT)	Detection signal	Digital Pin
Blue wire (GND)	Ground	GND
Black wire (LEV)	Valid level selection	–



Documents / Resources

	WHADDA WPSE472 Contectless Liquid Water Level Sensor Module [pdf] Instruction Manual WPSE472, Contectless Liquid Water Level Sensor Module