

AgonLight2-HvIO

User Manual olimex.com

Rev.1.0 October 2023

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Introduction to AgonLight2-HvIO

AgonLight2-HvIO is Open Source Hardware board designed to work with AgonLight2.

It has these features:

- Four Solid-State-Relays SSR capable working on 240VAC with 1 A loads connected to AgonLight2 GPIO outputs
- SSR are with zero cross switching noise free
- Four opto isolated 240VAC inputs connected to AgonLight2 GPIO inputs
- Status LEDs for each output and input
- Status LEDs for 3.3V and 5V power supply of AginLight2
- Two Dallas DS18B20 temperature sensor inputs capable to work with <u>SNS-TMP-DS18B20</u>
- Dimensions 100x70 mm

Order codes for AgonLight2-HvIO:

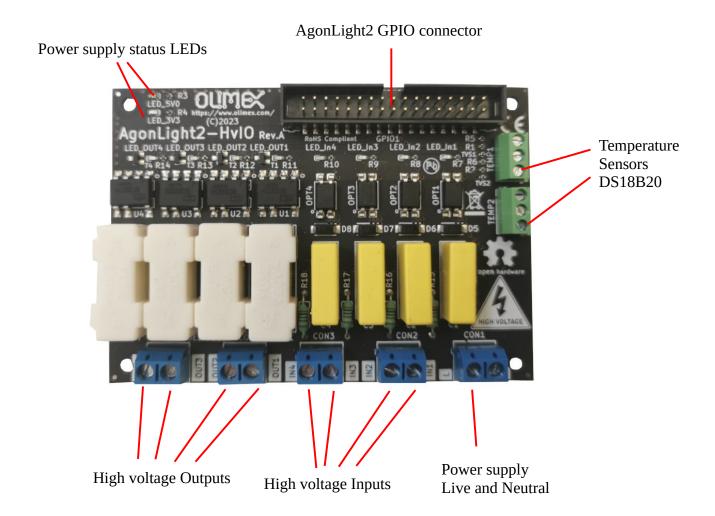
AgonLight2-HvIO AgonLight high voltage IO board

<u>SNS-TMP-DS18B20</u> temparature sensor

CABLE-IDC34-15CM not available yet cable between AgonLight2 and AgonLight2-HvIO

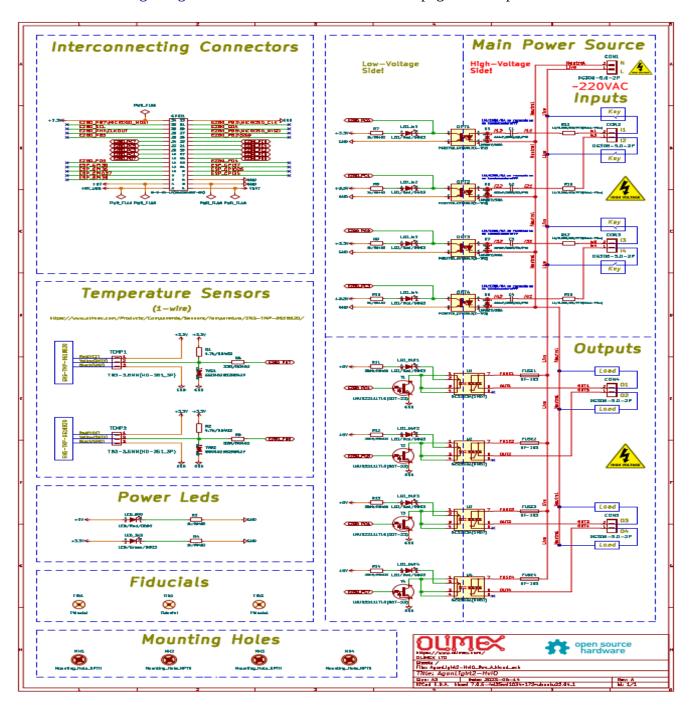
HARDWARE

AgonLight2-HvIO layout:

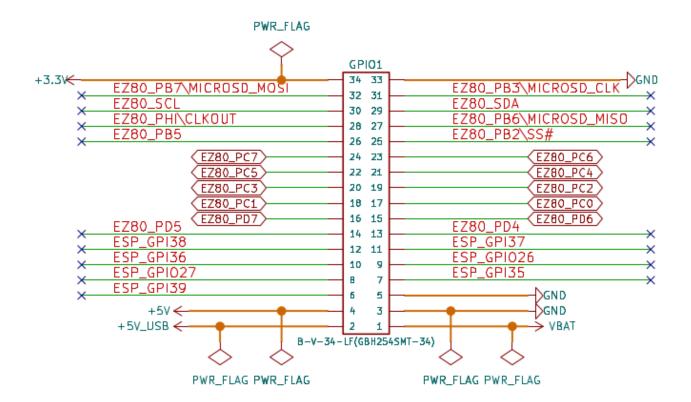


AgonLight2-HvIO schematic

The schematic of AgonLight2-HvIO is on GitHub. On the next page there is picture of it.



AgonLight2 GPIO connector:

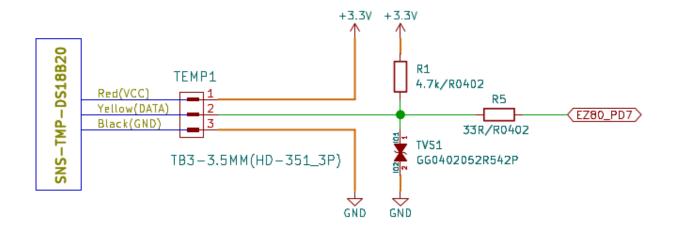


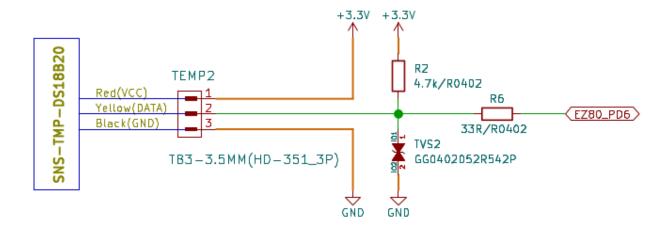
AgonLight2-HvIO temperature sensors connector:

Temperature Sensors

(1-wire)

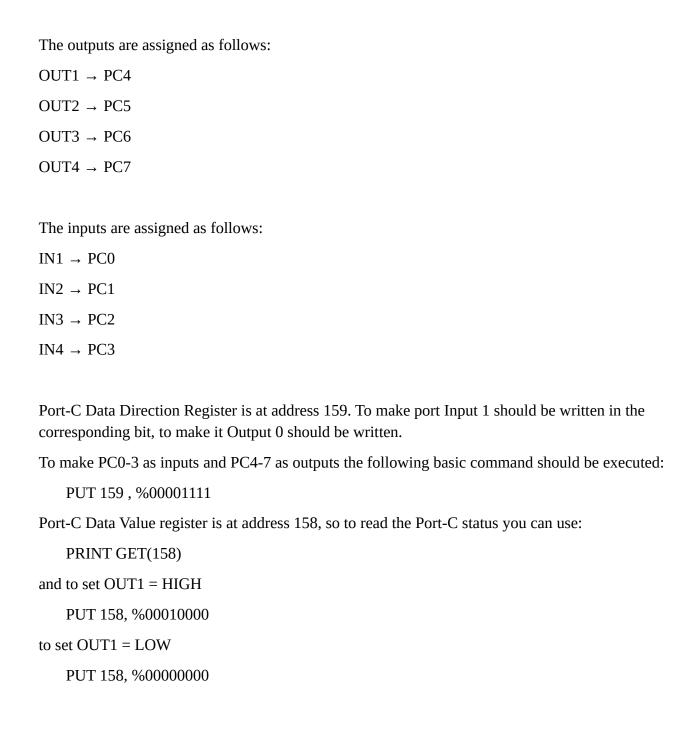
https://www.olimex.com/Products/Components/Sensors/Temperature/SNS-TMP-DS18B20/





SOFTWARE:

Reading the Inputs and Writing to the Outputs:



Revision History

Revision 1.0 October 2023 initial