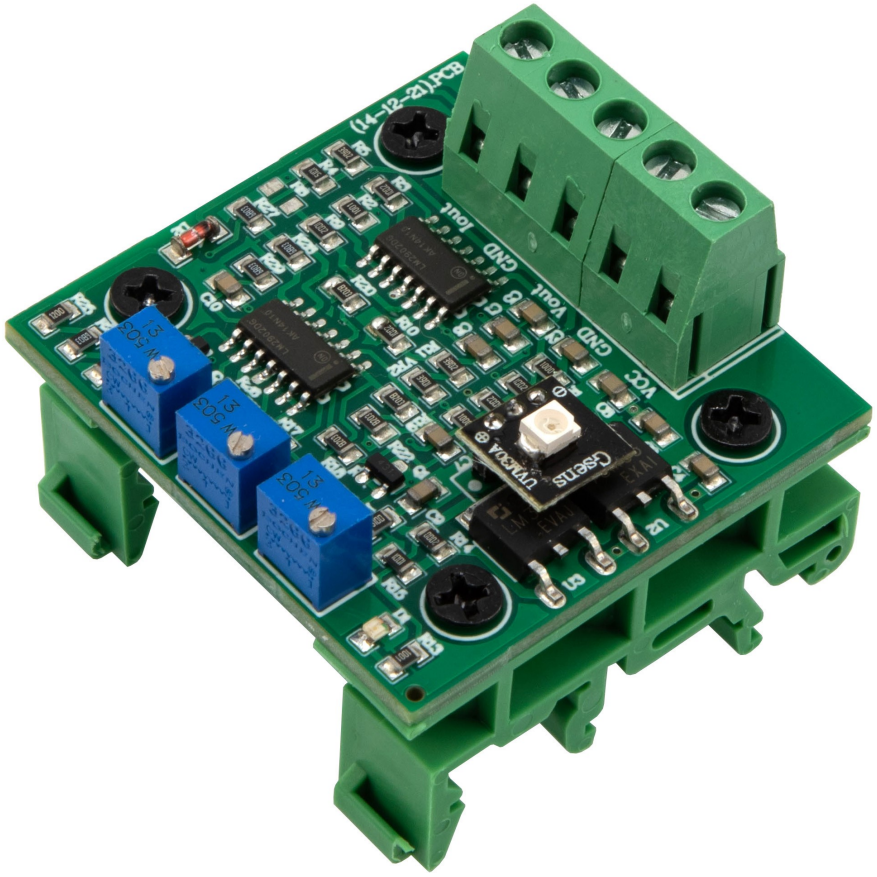
ULTRAVIOLET LIGHT SENSOR

User Guide for SRMS-D648



Product Description

The SRMS-D648 is a ultraviolet sensor module. It is sensitive to light in the wavelengths of 200 to 370 nm, and can be used to monitor the amount of UV in the surrounding environment. The SRM-D468 has a 4 – 20mA output and screw-type terminals for easy field termination. The module is mounted to a DIN rail compatible pedestal, or can be removed and panel mounted.

Features

- Highly sensitive to UV light
- 24 VDC supply
- 4 – 20 mA output
- Screw-type terminal blocks
- DIN rail mount

Applications

- UV tester
- UV index meter
- Germicidal lamps
- Flame detection
- UV monitoring equipment
- Other applications where UV is a concern

Thank you for choosing L-com product. To ensure safe, accurate performance and product longevity, please take a moment to familiarize yourself with this manual before powering the device. Please keep it handy for future reference. In case of any questions regarding the installation or use of product, please call us at 800.341.5266.

Reach out to us at customerservice@l-com.com and visit our website at www.l-com.com

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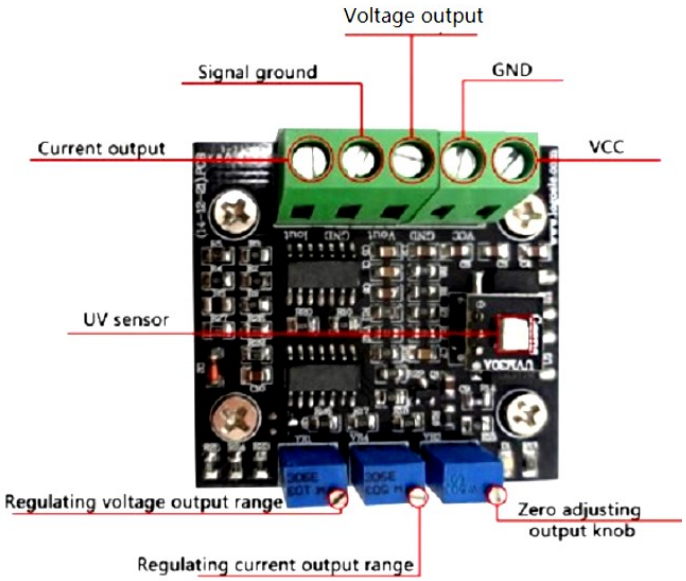
Technical Parameters

Working Voltage	24 VDC	
Output Mode	4 – 20 mA	
Response Wavelength	200 nm – 370 nm	
Test Accuracy	± 3% rdg	
Linear Accuracy	± 2%	
Work Environment	Temperature	-20~65 °C
	Humidity	≤95% RH (No condensation)

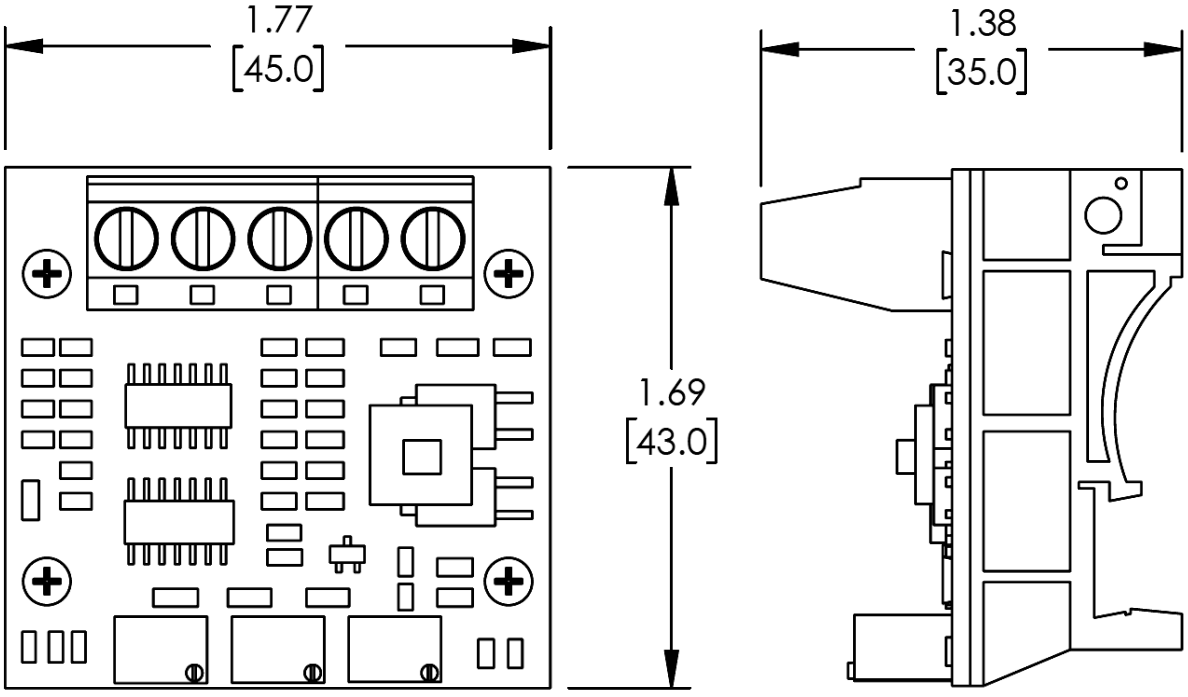
Electrical Diagram

VCC is the power supply positive
GND is the power supply negative
Vout is the voltage output positive
GND is the signal output ground
Iout is the current output positive



Mounting Diagram

Mounting type: DIN 35 mm rail mount



Notes

The module has been debugged before shipment. Do not adjust the potentiometer. If it is adjusted, it will cause the output to change. If there is any adjustment, please restore it as follows:

1. Connect the 0V signal to the front of the R1 resistor, and adjust the VR3 potentiometer to make the Iout output 4 mA. The Vout output is 0V.
2. After zeroing, connect the 1.2V signal to the front end of the R1 resistor, adjust the VR1 potentiometer, and make the Vout output 5V. Adjust the VR4 potentiometer to make the Iout output 20mA .