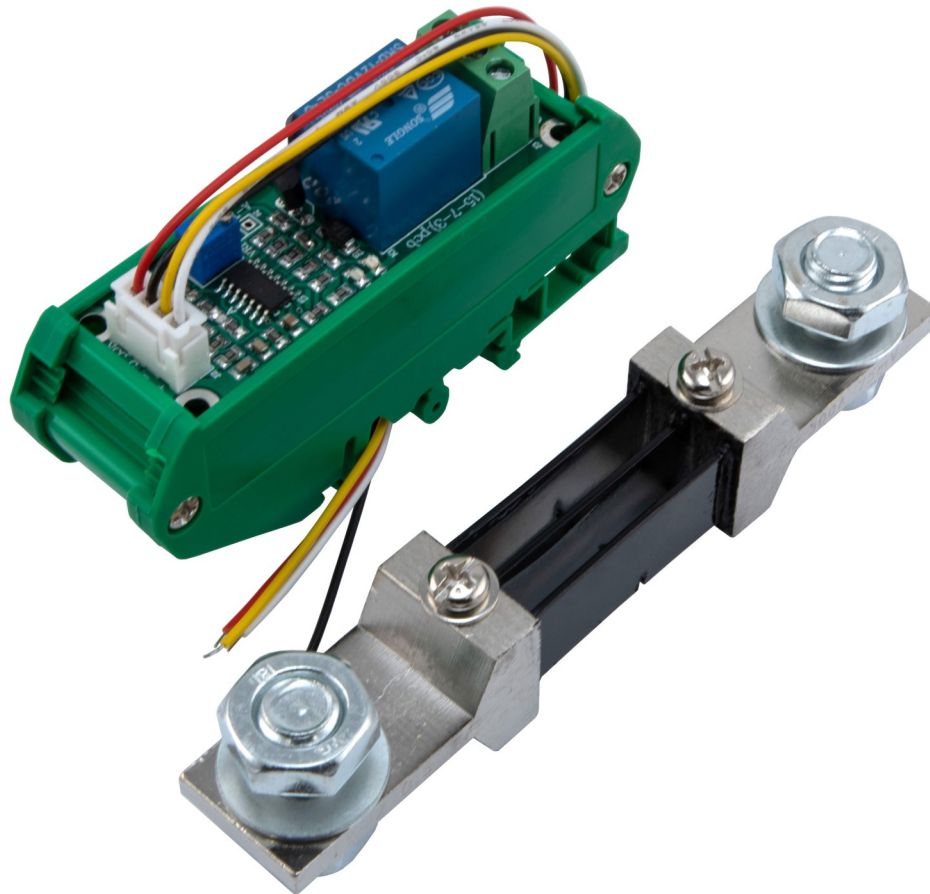


## DC SHUNT CURRENT SENSOR & OVER-CURRENT PROTECTOR

### User Guide for SRCN-C415-2



#### **Product Description >>**

This module is used to measure and monitor current consumption by utilizing an external shunt resistor. If the current exceeds a preset value, the relay on the module is activated. Uses include building automation and facility management systems where acquiring information on energy usage can lead to increased efficiency. They can also detect equipment issues and help prevent damage by detecting over-current and/or short-circuit conditions.

#### **Features >>**

- Low power consumption
- External shunt resistor
- Relay output
- 35 mm DIN rail or panel mountable
- Includes 8in cable

#### **Applications >>**

- Building and facilities management
- HVAC
- Battery management system
- Electric fans
- Electric pumps
- Devices requiring over-current & short-circuit protection

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.

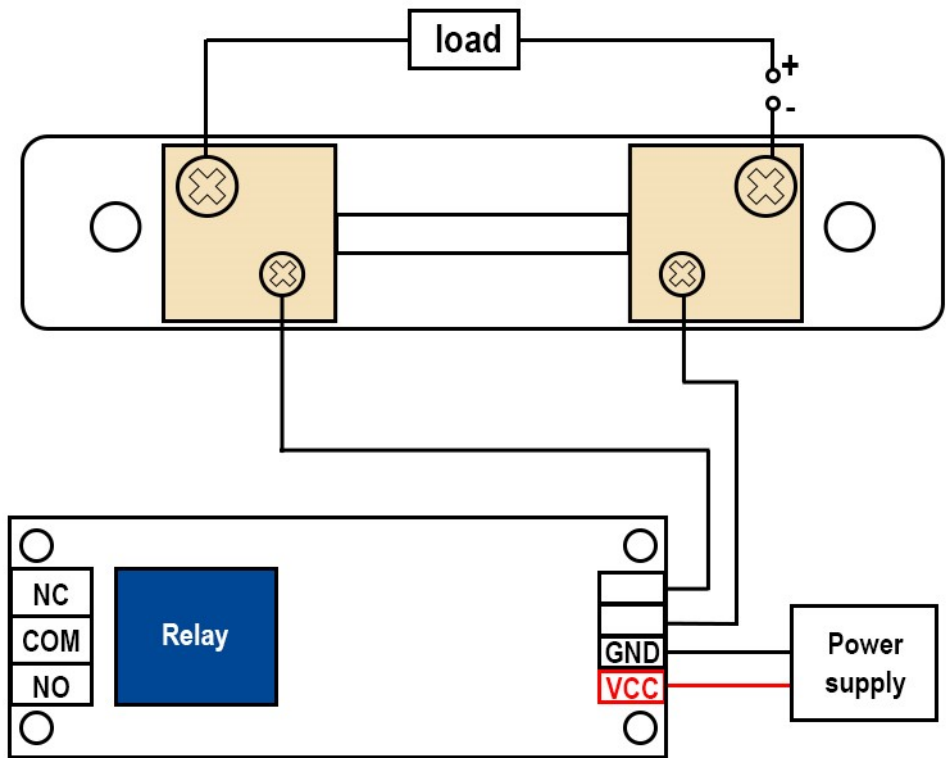
Reach out to us at [customerservice@l-com.com](mailto:customerservice@l-com.com) and visit our website at [www.l-com.com](http://www.l-com.com)

### Technical Parameters >>

|                     |             |                           |
|---------------------|-------------|---------------------------|
| Working voltage     |             | 12 VDC $\pm$ 0.5 VDC      |
| Working current     |             | $\leq$ 50 mA              |
| Detection range     |             | 0 – 300 A                 |
| Relay response time |             | 300 – 500 ms              |
| Output mode         |             | Relay output              |
| Working environment | Temperature | 0 – 65 °C                 |
|                     | Humidity    | 0 – 95% RH                |
| Installation mode   | Pedestal    | Mounting on 35mm DIN rail |
|                     | Module      | Mounting with screws      |

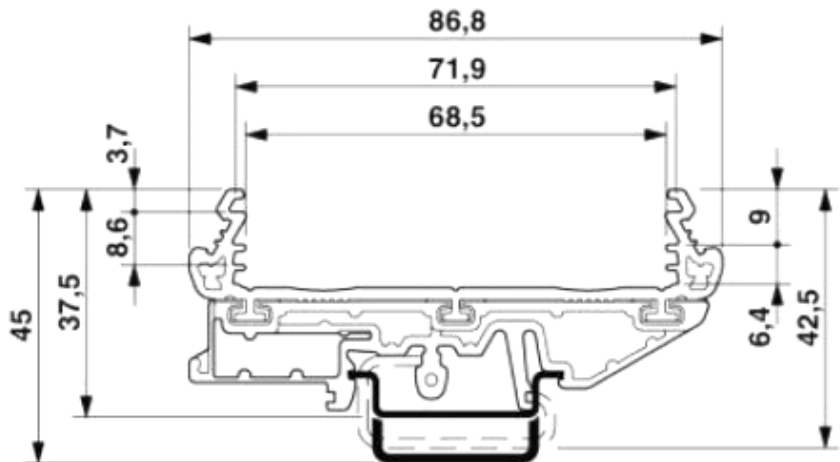
### Electrical Diagram >>

Note: On the PCBA, CK is the (NO) normally open terminal, COM is the open terminal, CB is the (NC) normally closed terminal.



### Mounting Diagram >>

35mm DIN rail mounting: Mount the sensor module onto the DIN rail (dark black) as shown in the figure.



Mount the PCB to the enclosure with screws. Mounting hole diameter is 3mm.



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