Description

By using this device it is possible to interface different types of devices. The module has a circuit capable of monitoring the voltage on the relay output in case the load is ohmic inductive.

This function can be set and allows you to know in advance if there is a power failure.

Furthermore, it is possible to read a low voltage input state.
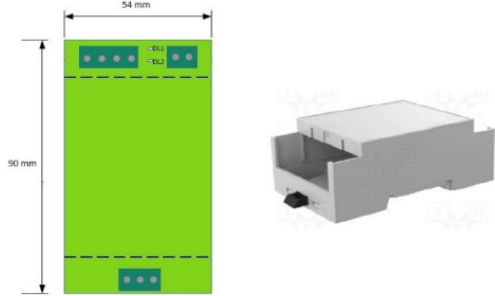
ONEMODULEV230 is equipped with the short circuit isolator.

Installation

The modules must be used in combination with compatible control panels that use the **ONEPROTOCOL** protocol for monitoring and control. The location of the modules must follow recognized national or international installation procedure codes. Terminal connections are polarity sensitive, so check them by referring to the wiring diagrams and tables for each model. The modules are equipped with a 27 Kohm end-of-line resistor and a 10 Kohm alarm resistor, depending on the configuration.

Common Technical Specifications

Loop's voltage	27V
Stand by consumption	140 µA
Alarm consumption	4.5 mA (LED on)
Operating temperature range	–5°C ~ +40°C
Humidity	95% RH (no condensation)
Dimensions	90 x 64 x 32 mm
Relay output	1 Form C, 16A@250V
Maximum wire gauge	2.5 mm^2

Setting the Address

Modules can be addressed by using a special hand-held programming unit (**ONEPROGRAMMER**).

Addresses may be selected over the range from 1 to 240, although, of course, each device on the loop must have a unique address.

- Connect the programmer to the module using the proper cable (refer to the **ONEPROGRAMMER** instruction manual).
- After installing all modules and other loop devices, apply power to the loop in accordance with the panel's installation instructions.

The input / output module holds two addresses. The address assigned by the **ONEPROGRAMMER** always relates to the input channel; the output channel is automatically assigned the consecutive address.

Output Monitor Settings

This must be done with X5 and X6 jumpers

X5: Close– X6 Open= Monitor Disabled
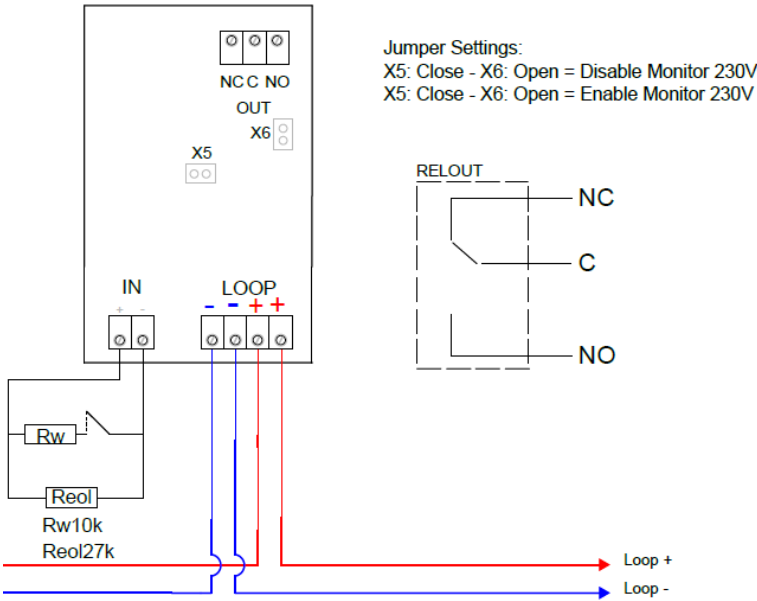
X5: Open-X6: Closed= Monitor Enabled

Device's Mounting

According to local electrical regulations,mount securely to a single gang box using the provided screws.
This device is developed to be installed on DIN bar.

Maintenance

Test the modules periodically according to local codes of practice. Those devices contain no serviceable part, so, should a fault develop, return them to your system supplier for exchange or disposal, according to warranty conditions.

Typical Connection Drawing

Jumper Settings:
X5: Close - X6: Open = Disable Monitor 230V
X5: Close - X6: Open = Enable Monitor 230V

Warnings And Limitations

Our devices use high quality electronic components and plastic materials that are highly resistant to environmental deterioration. However, after 10 years of continuous operation, it is advisable to replace the devices in order to minimize the risk of reduced performance caused by external factors. Ensure that this device is only used with compatible control panels. Detection systems must be checked, serviced and maintained on a regular basis to confirm correct operation.

Smoke sensors may respond differently to various kinds of smoke particles, thus application advice should be sought for special risks. Sensors cannot respond correctly if barriers exist between them and the fire location and may be affected by special environmental conditions. Refer to and follow national codes of practice and other internationally recognized fire engineering standards.

Appropriate risk assessment should be carried out initially to determine correct design criteria and updated periodically.

Warranty

This warranty is invalidated by mechanical or electrical damage caused in the field by incorrect handling or usage.

Product must be returned via your authorized supplier for repair or replacement together with full information on any problem identified.

Full details on our warranty and product's returns policy can be obtained upon request

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EN 54-17
EN 54-18

ONEMODULEV230: 1 monitor input + 1 out FORM C HIGH Power

1922-CPR-1124

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