

MP-1

Relay module

mp1_en 02/22

The MP-1 relay module is used to control devices with high current consumption by means of low-current OC type outputs. The relays ensure galvanic isolation of control and power signals. The module can work with various devices equipped with OC type outputs, e.g. control panels, communication modules, automation devices, etc.

1. Features

- 4 control inputs.
- 4 relay outputs.
- 5 power outputs protected with time-delay fuses.

2. Electronics board

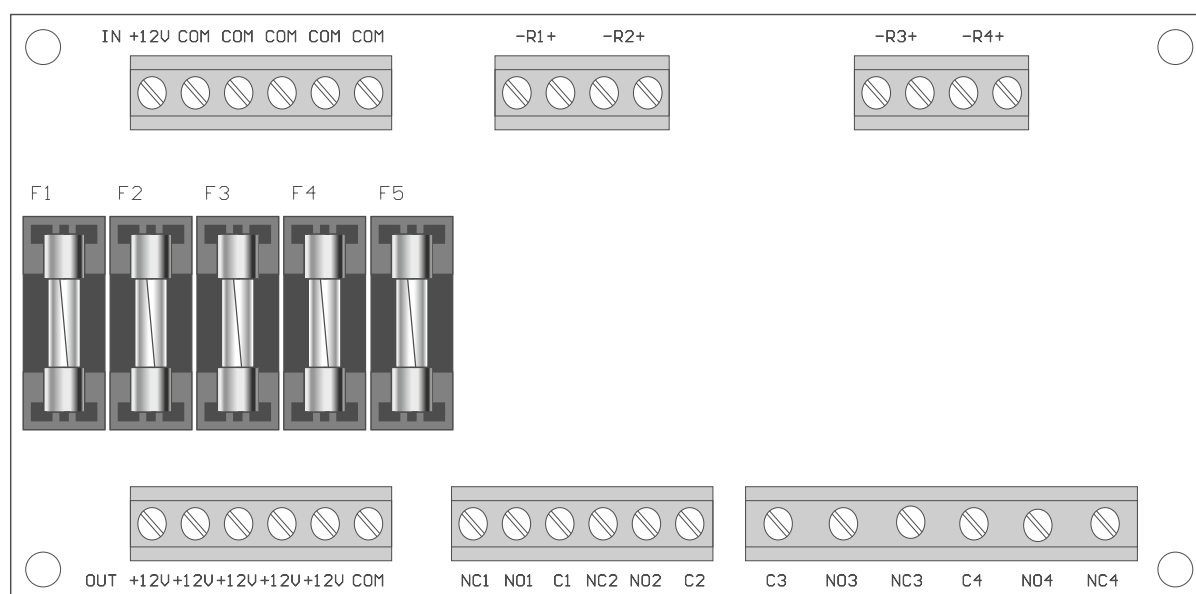


Fig. 1 View of the module board.

Description of terminals

- | | |
|--------------------|--|
| IN +12 V | - +12 VDC power input. |
| COM | - common ground. |
| -R1+...-R4+ | - relay control inputs. Connect common ground to “-” terminal and +12 VDC voltage to “+” terminal. |
| OUT +12 V | - +12 VDC power outputs protected with time-delay fuses. |
| NC1...NC4 | - relay output normally closed contact. |
| NO1...NO4 | - relay output normally open contact. |
| C1...C4 | - relay output common contact. |

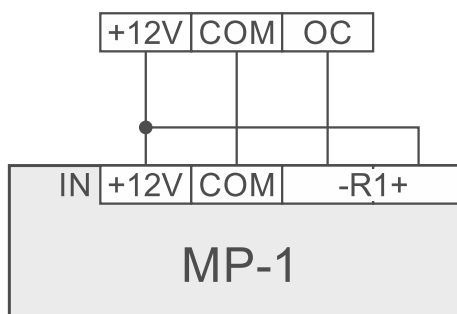


Fig. 2 Example of connecting the OC type output to the module (OC type output shorted to common ground when active).

3. Specifications

Supply voltage	12 VDC $\pm$ 15%
Fuse F1...F5.....	T 400 mA
Relay output 1...2 (resistive load)	DC 2 A / 30 VDC AC 1 A / 125 VAC
Relay output 3...4 (resistive load)	DC 8 A / 30 VDC AC 8 A / 230 VAC
Environmental class according to EN 50130-5	II
Operating temperature range.....	-10°C...+55°C
Maximum humidity	93 $\pm$ 3%
Dimensions	140 x 68 mm
Weight.....	106 g

The declaration of conformity may be consulted at www.satel.eu/ce