Sontay®
Four Elms Road - Edenbridge
Kent - TN8 6AB - UK

IO-RM1
Single Relay Modules

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Features and Benefits

- Various coil types available
- Rising cage terminals
- DIN Rail mounting

Technical Overview

IO-RM1's are a range of relays for use with BMS controllers for switching plant and isolation of input signals.

The 12Vdc coil type is suitable for use with Trend controllers which only have 0-10Vdc outputs, and the 230Vac coil version is useful for signal isolation in applications such as monitoring lamp circuits in panels.

All types are mounted on a DIN rail carrier which features enclosed terminals and a robust clip.

Product Codes

IO-RM1-12DC	Single relay 12Vdc coil
IO-RM1-24DC	Single relay 24Vdc coil
IO-RM1-24AC	Single relay 24Vac coil
IO-RM1-230AC	Single relay 230Vac coil

Specification

Input signals:	
IO-RM1-12DC	10Vdc@21.0mA
IO-RM1-24DC	24Vdc@16mA
IO-RM1-24AC	24Vac@68mA
IO-RM1-230VAC	230Vac@7mA
Coil Resistance (nominal)	
IO-RM1-12DC	550Ω
IO-RM1-24DC	1420Ω
IO-RM1-24AC	350Ω
IO-RM1-230AC	30KΩ
Contact ratings	12A Resistive (12Vdc 10A)
Relay clip	Auto eject type
Connections	Rising cage connectors
Ambient range	-10 to 50°C
Dimensions	77 x 15 x 70mm
Country of origin	UK
Conformity	EMC, LVD, CE & UKCA Marked

Warning!
When installed, the output relay contacts may carry 240Vac. Special care must be taken to isolate the switched voltages prior to any work being undertaken.

WEEE Directive:

At the end of the products useful life please dispose as per the local regulations.
Do not dispose of with normal household waste.
Do not burn.

CE UKCA

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Installation

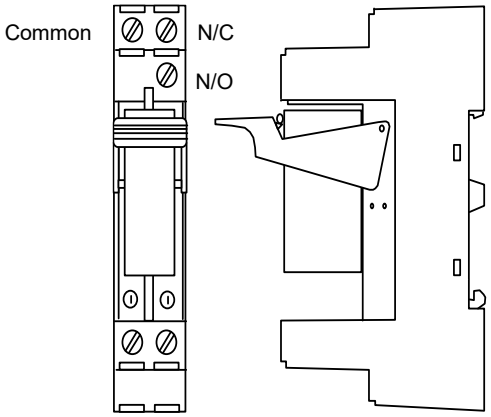
1. The IO-RM1 should only be installed by a competent, suitably trained technician experienced in installations with hazardous voltage. (>50Vac & <1000Vac or >75Vdc & 1500Vdc)

2. Mount onto 'Top Hat' din rail or screw onto a flat surface. Ensure that all power is disconnected before carrying out any work on the IO-RM1.

3. Maximum cable is 2.5mm², care must to taken not to over tighten terminals.

4. The relay output is a Single Pole Double Throw (SPDT) so it can be wired as normally open (N/O) or normally closed (N/C).

Connections



Whilst every effort has been made to ensure the accuracy of this specification, Sontay cannot accept responsibility for damage, injury, loss or expense resulting from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

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