Single Relay Modules

Features

- Various coils types available
- Din rail mounting
- Rising cage terminals

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	10A Resistive (12Vdc 8A)
Relay clip	Auto eject type
Connections	Rising cage connectors
Ambient range	-10°C to 50°C
Dimensions	77 x 15 x 70mm
Country of origin	UK

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

Technical Overview

The 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. 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.

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 (NO) or normally closed (NC).

Connections