RM1

Single Relay Module

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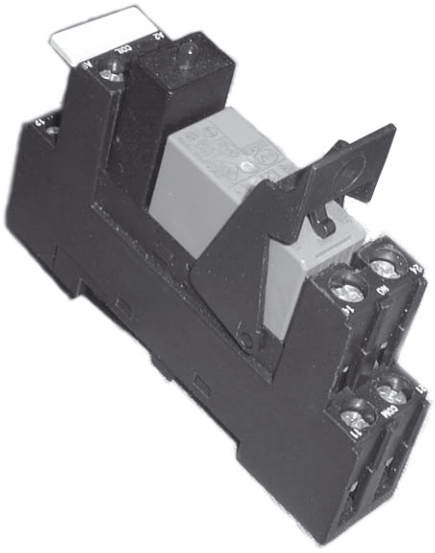

Product Overview

The RM1 is a SPDT relay module which converts a BMS output to a mains rated volt free contact. The RM1 is available with a number of different coil options including the RM1-12DC sensitive coil version to reduce the load on BMS controllers such as Trend outstations. The RM1-24AC can be used for converting a Triac digital output to a VFC and the RM1-24DC for switching loads on controllers with 24Vdc powered digital outputs.

Features

- Converts BMS Outputs to VFC
- Large Range of Coil Options
- Complete With DIN Carrier and Retaining Clip
- Sensitive coil 12Vdc Version

Product Specifications

Coil Rating:

RM1-12DC	12Vdc - 20.8mA (sensitive coil)
RM1-24AC	24Vac - 31.6mA
RM1-24DC	24Vdc - 16.7mA
RM1-230AC	230Vac - 3.2mA

Contact Rating:

RM1-12DC	SPDT - 250V @ 10A (Resistive)
RM1-24AC	SPDT - 250V @ 12A (Resistive)
RM1-24DC	SPDT - 250V @ 12A (Resistive)
RM1-230AC	SPDT - 250V @ 12A (Resistive)

Contact Material: AgNi 90/10

Terminals: Rising Clamp for 0.5-2.5mm^2 Cable

Ambient Temp: -25°C to 85°C

Dimensions: 77 x 15.5 x 69mm (max.)

Country of Origin: United Kingdom

Order Codes

RM1-12DC - Single Relay Module 12Vdc sensitive Coil

RM1-24AC - Single Relay Module 24Vac Coil

RM1-24DC - Single Relay Module 24Vdc Coil

RM1-230AC - Single Relay Module 230Vac Coil

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Installation

The RM1 should be installed by a suitably qualified technician in conjuction with any guidelines for the equipment which it is to be connected to. Field wiring should installed to satisfy the requirements set out by the manufacturer of the equipment that the module is being connected to using screened cabled where necessary.

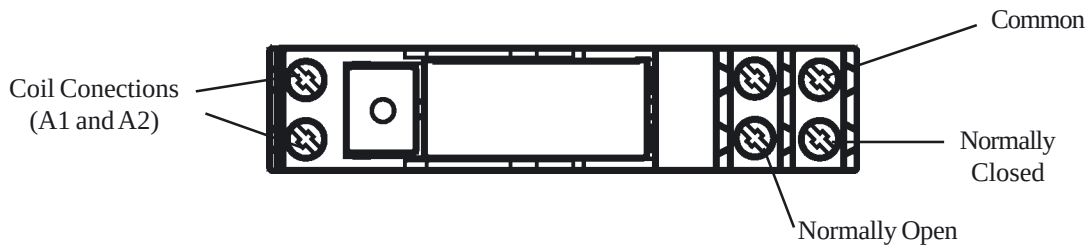
WARNING

The RM1 is designed to switch mains voltage and therefore dangerous voltages may be present on the module. Ensure that the power is isolated before working on this module.

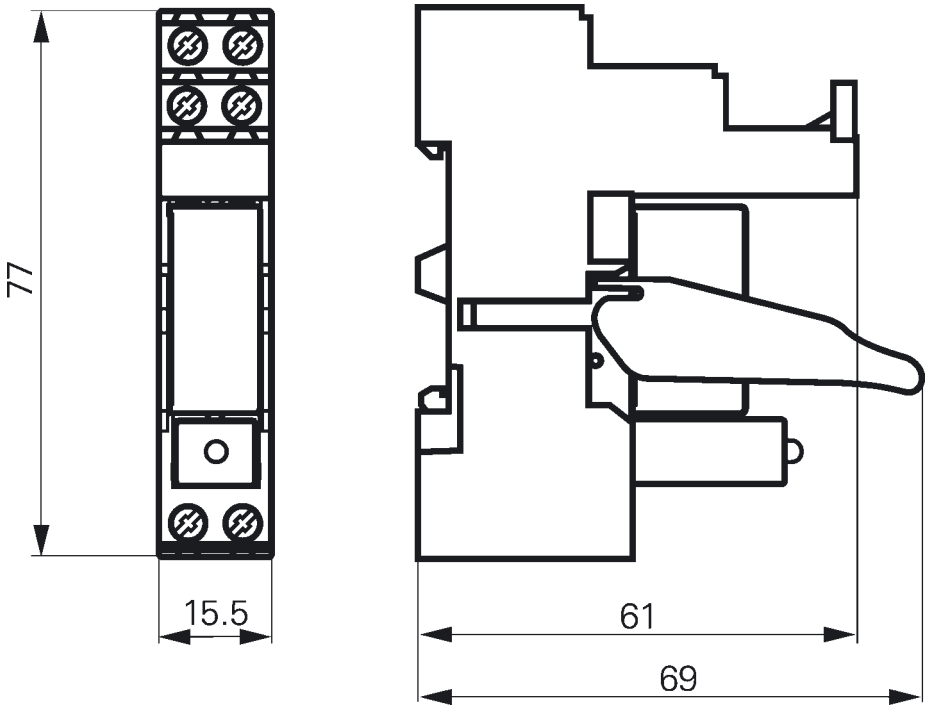
The RM1 would typically be located within the controller section of a BMS control panel. The module can be snapped on to standard “top hat” profile DIN rail by levering the clip downwards to allow the unit to locate without the need for excessive force.

Connection

The diagram below shows the terminal designations for the RM1.



Dimensions



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