

ESC-RM1

Single Relay Module - Single Pole

AXIO



Product Overview

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

Features

- Large Range of Coil Options
- Optional diode and LED modules available - please enquire
- Assembled on DIN rail carrier, with retaining clip
- Sensitive coil 12Vdc version can convert BMS Outputs to VFC

Product Specifications

Coil Rating:	ESC-RM1-12DC	12Vdc - 20.8mA (sensitive coil), will switch on at 9.0V
	ESC-RM1-24AC	24Vac - 31.6mA
	ESC-RM1-24DC	24Vdc - 16.7mA
	ESC-RM1-230AC	230Vac - 3.2mA
Contact Rating:	ESC-RM1-12DC	SPDT - 250V @ 10A (Resistive)
	ESC-RM1-24AC	SPDT - 250V @ 12A (Resistive)
	ESC-RM1-24DC	SPDT - 250V @ 12A (Resistive)
	ESC-RM1-230AC	SPDT - 250V @ 12A (Resistive)
Dielectric Strength:		5000Vrms coil to contacts
Contact Material:		AgNi 90/10
Terminals:		Rising Clamp for 0.5-2.5mm ² cable
Ambient Temperature Range:		-25°C to 85°C
Dimensions:		77 x 15.5 x 69mm (max.)
Country of Origin:		United Kingdom

Order Codes

ESC-RM1-12DC	Single Relay Module 12Vdc sensitive coil
ESC-RM1-24AC	Single Relay Module 24Vac Coil
ESC-RM1-24DC	Single Relay Module 24Vdc Coil
ESC-RM1-230AC	Single Relay Module 230Vac Coil

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Installation

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

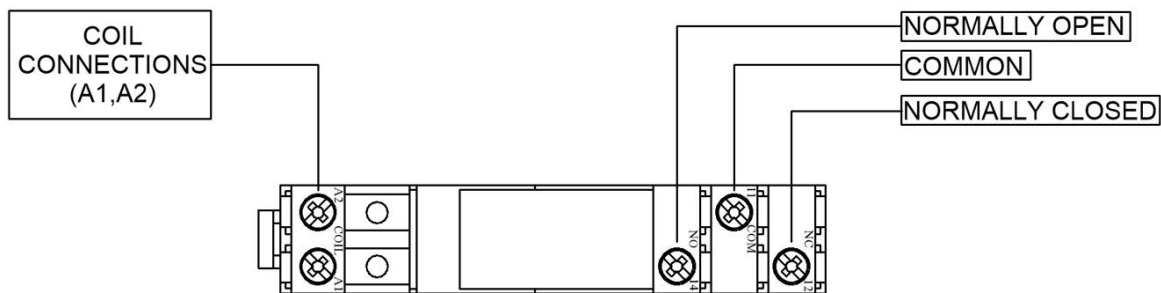
WARNING

The ESC-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.

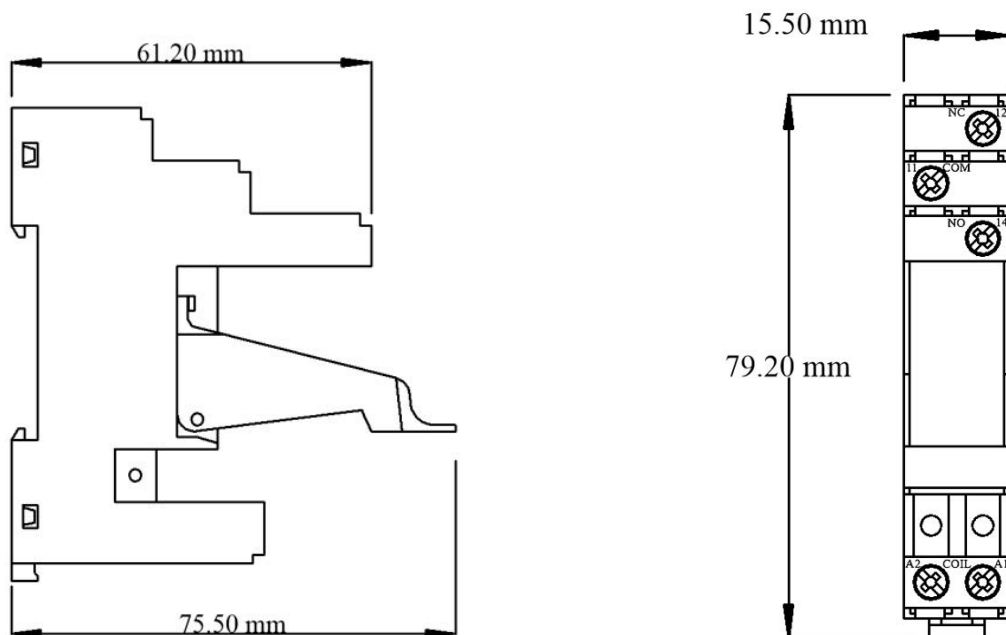
The ESC-RM1 would typically be located within the controller section of a BMS control panel. The module can be snapped on to standard "top hat" profile DIN rail by levering the clip downwards to allow the unit to locate without the need for excessive force.

These modules are supplied as an assembled relay, DIN rail base and clip. These parts are assembled at the Annicom factory in the UK. Annicom reserve the right to supply these modules using various manufacturers relays and bases. As such, the relay and base may show other manufacturers logos and pat numbers.

Description and Connections



Dimensions



Datasheet Contents

Every effort has been taken in the production of this data sheet to ensure accuracy. Axio do not accept responsibility for any damage, expense, injury, loss or consequential loss resulting from any errors or omissions. Axio has a policy of continuous improvement and reserves the right to change this specification without notice.