

EasyIO Neo RM-0102 Installation Guide

Neo RM-0102

Building Technologies & Solutions
www.johnsoncontrols.com
2025-04-02
Version 1.0

LIT-12014498



Contents

Introduction..... 3

Dimensions of the RM-0102..... 4

Installing the RM-0102..... 6

 Removing the RM-0102 from the DIN rail..... 7

Mode selection..... 8

Electrical rating..... 8

Product warranty..... 9

Software terms..... 9

Patents..... 9

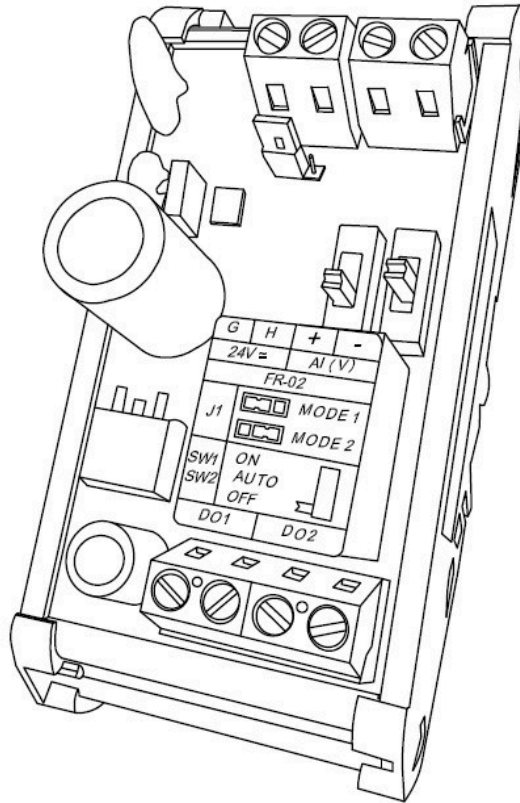
Single point of contact..... 9

Contact information..... 9

Introduction

This document provides the steps to install the EasyIO Neo RM-0102 relay module.

Figure 1: EasyIO Neo RM-0102 relay module



- **Important:** Do not mount the EasyIO Neo RM-0102 in any of the following circumstances:
- If excessive moisture, corrosive fumes, or explosive vapors are present.
 - If excessive vibration or shock is likely to occur.
 - If excessive electrical noise from large magnetic interference or variable speed drive modules is present.

Dimensions of the RM-0102

The following drawings outline the dimensions of the RM-0102.

Figure 2: Top view of the RM-0102

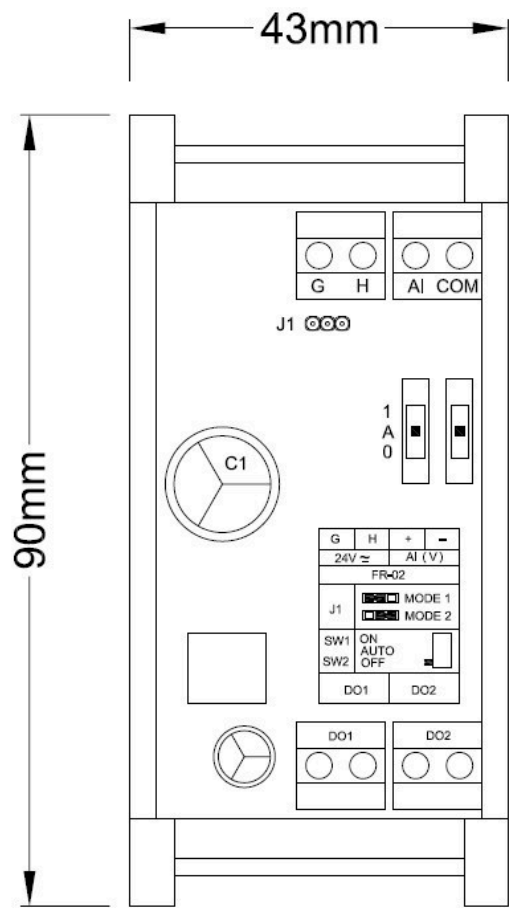


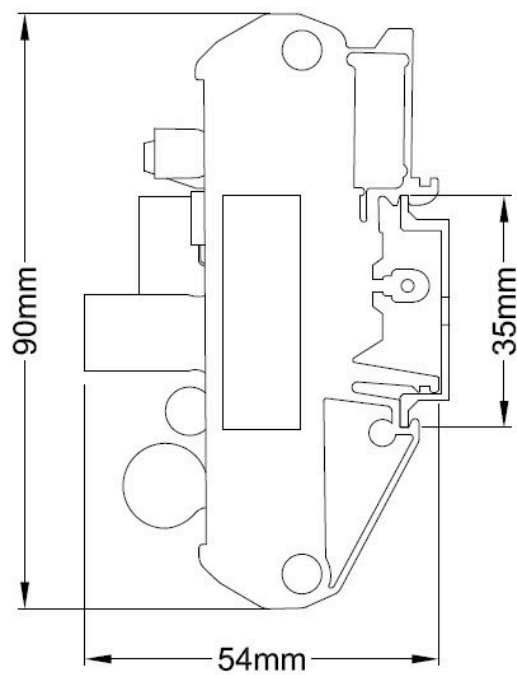
Figure 3: Side view of the RM-0102

Figure 4: Back view of the RM-0102

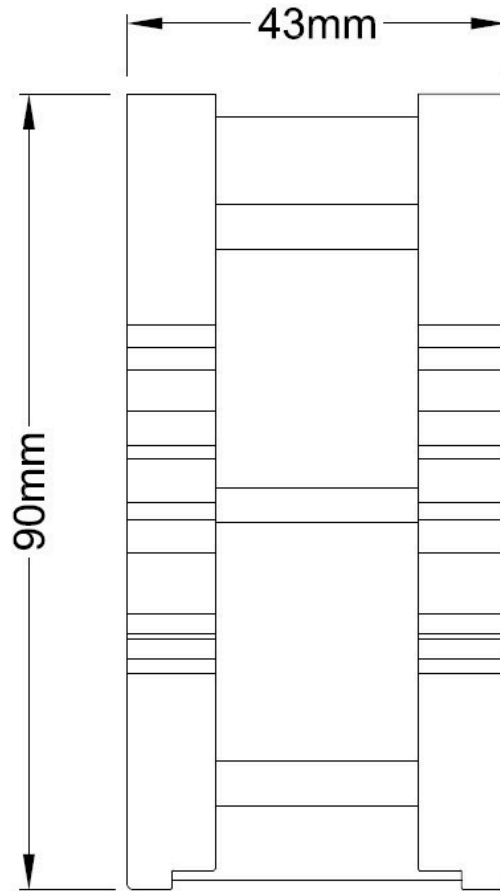
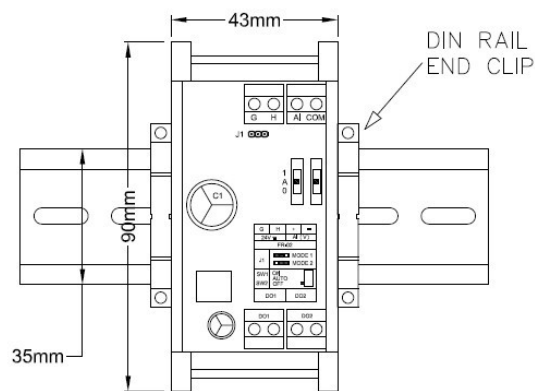


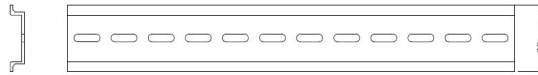
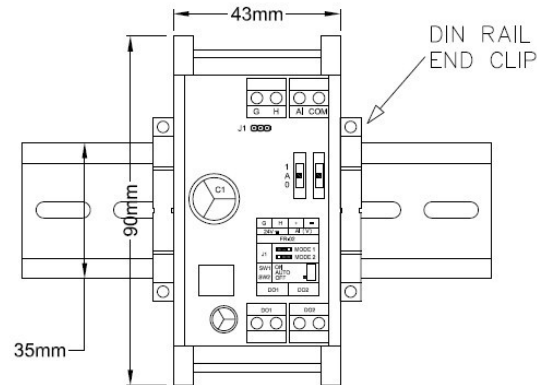
Figure 5: RM-0102 clipped on to standard 35mm DIN rail



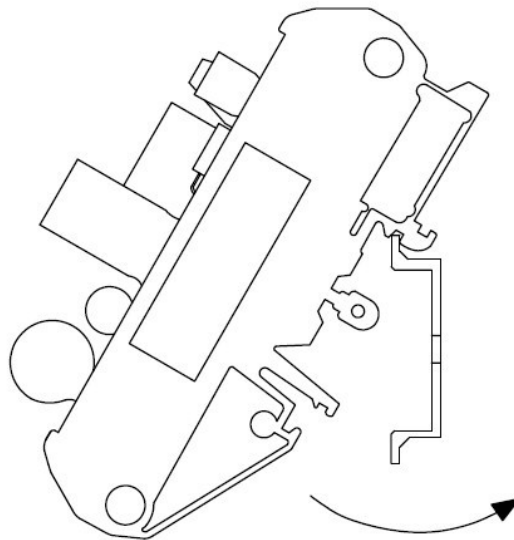
Installing the RM-0102

To install the RM-0102, complete the following steps.

1. Securely fasten the DIN rail to the enclosure base plate.

Figure 6: Standard industrial DIN rail, 35mm**Figure 7: RM-0102 clipped on to standard 35mm DIN rail**

2. Place the top clip onto the top of the DIN rail. Ensure that the top clip is inserted correctly into the DIN rail.
3. Push the controller toward the bottom part of the DIN rail, as shown in the following figure, and snap the bottom clip on to the DIN rail. A “click” sound indicates that the RM-0102 is mounted correctly.

Figure 8: Pushing the controller toward the bottom part of the DIN rail

4. Use a DIN rail end clip to keep the assembly secure.

Removing the RM-0102 from the DIN rail

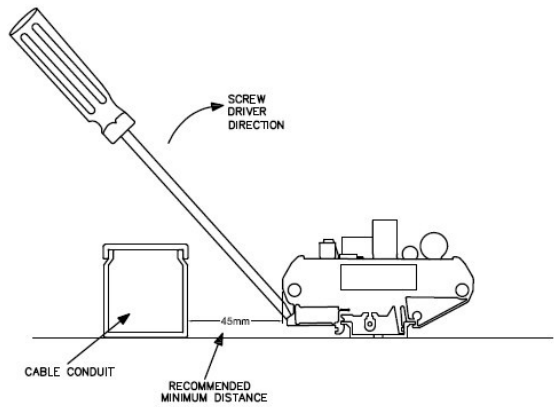
Before you begin:

You need a flat screw driver to complete this task.

If you need to remove the RM-0102 from the DIN rail, complete the following steps.

1. Insert the tip of the screw driver into one of the RM-0102 bottom corners.
2. Carefully move the screw driver toward the RM-0102.

Figure 9: Removing the RM-0102 from the DIN rail



3. Repeat the steps for the second bottom corner.

Mode selection

See [Figure 2](#).

Table 1: Mode 1

Mode 1 (Floating Mode)					
Stage	Min Volt	Max Volt	Optimum Volt	DO1 State	DO2 State
1	0.00	1.00	0.00	Off	Off
2	1.10	5.00	3.00	On	Off
3	5.10	6.00	5.50	Off	Off
4	6.10	10.00	8.00	Off	On

Table 2: Mode 2

Mode 2 (Staging Mode)					
Stage	Min Volt	Max Volt	Optimum Volt	DO1 State	DO2 State
1	0.00	2.50	2.00	Off	Off
2	2.60	5.00	3.50	On	Off
3	5.10	7.50	6.50	Off	On
4	7.60	10.00	8.00	On	On

Electrical rating

Table 3: Input Rating (UL Listing)

Type	Rating	Terminal
Supply	24Vac(+/-5%), 3VA OR 24Vdc(+15%/-15%), 3VA Class 2	H (Vcc), G (Ground)
Analog Input*	Voltage 0-10 Vdc, Class 2	AI , COM
Wire Size (AWG)	18 AWG ~ 24 AWG	-

Table 4: Output Rating (UL Listing)

Type	Rating	Terminal
Digital Outputs** (SPST N.O. dry contact)	24V AC/DC 2A (48VA) Class 2	**DO1 ~ 2(pair)
Wire Size (AWG)	18 AWG ~ 24 AWG	-

Product warranty

This product is covered by a limited warranty, details of which can be found at www.johnsoncontrols.com/buildingswarranty.

Software terms

Use of the software that is in (or constitutes) this product, or access to the cloud, or hosted services applicable to this product, if any, is subject to applicable end-user license, open-source software information, and other terms set forth at www.johnsoncontrols.com/techterms. Your use of this product constitutes an agreement to such terms.

Patents

Patents: <https://jicpat.com>

Single point of contact

APAC	EU	UK	NA/SA
JOHNSON CONTROLS C/O CONTROLS PRODUCT MANAGEMENT NO. 32 CHANGJIANG RD NEW DISTRICT WUXI JIANGSU PROVINCE 214028 CHINA	JOHNSON CONTROLS VOLTAWEG 20 6101 XK ECHT THE NETHERLANDS	JOHNSON CONTROLS TYCO PARK GRIMSHAW LANE MANCHESTER M40 2WL UNITED KINGDOM	JOHNSON CONTROLS 5757 N GREEN BAY AVE. GLENDALE, WI 53209 USA

Contact information

Contact your local Johnson Controls representative: www.johnsoncontrols.com/locations

Contact Johnson Controls: www.johnsoncontrols.com/contact-us