

# RMOB-JR Relay Base

Data Sheet 1178A

June 2000

## **Features**

- Pluggable base for 8 or 11 pin socket style relays
- 45 mm wide (1.77 in.)
- 1 PDT, 2 PDT, 3 PDT contact connections
- · Base styles for both 5A and 10A contact ratings
- DIN-rail mountable with universal foot
- Separation of coil and contact wiring
- Built in damping diode circuit for DC input voltages
- Status indication lamp

# Description

The RMOB-JR series of relay bases from Phoenix Contact allows for a variety of pluggable octal style relays to be used in a single DIN-rail mountable base.

The 8 pin style octal base will accept up to a 2 PDT contact relay. The 11 pin style octal base will accept up to a 3 PDT contact relay.

The RMOB-JR universal relay base can be used with any coil voltage. For reduction of inventory costs coil status indication bases are available for both 24 V dc and 120 V ac relays, eliminating the need to purchase relays with indicators.

The DIN-rail mounted design provides another benefit; the separation of coil and contact wiring. This will eliminate the likelihood of faulty triggering from interference between the coil and contact wiring.

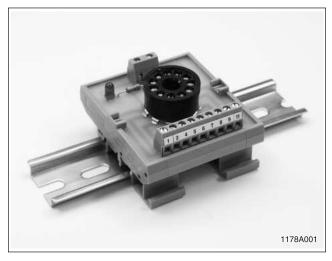


Figure 1. RMOB-JR-2 Relay Base

## Table 1. RMOB-JR Relay Base Specifications

## General Specifications **Technical Data** Contact rating (standard terminals)...... 5 A @ 250 V ac with MKDS5 terminals...... 10 A @ 250 V ac Coil rating used ...... dependant on relay General Wire size (standard terminals)...... 30 - 12 AWG with MKDS5 terminals ...... 24 - 10 AWG Operating temperature ...... -20°C to 65°C Electrical life ..... relay specific Isolation (coil and contact) .....relay specific **Dimensions** Height ...... 1,55 in. (39.3 mm) Width ...... 1.77 in. (8 pin) (45 mm) 2.66 in. (11 pin) (67.5 mm) Depth ...... 3.03 in. (77 mm)

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## **RMOB-JR Relay Base**

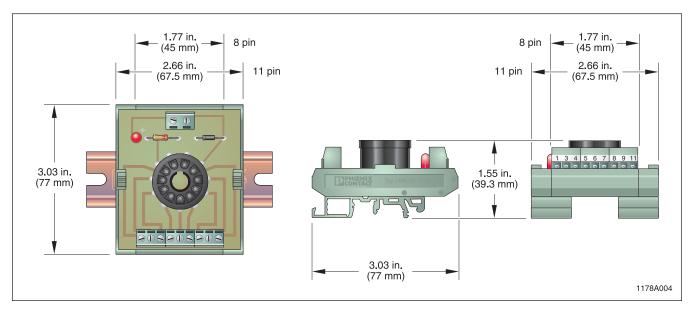


Figure 2. RMOB-JR-2 Relay Base Dimensions

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# **Ordering Information**

RMOB-JR-1 70 01 21 4 8 pin octal socket relay base for use with relays up to 2 PDT

RMOB-JR-1-MKDS5 56 01 97 8 8 pin octal socket relay base for use with relays up to 2 PDT with larger terminal blocks for 10A current rating on contact side

RMOB-JR-1-24 70 01 43 8 8 pin octal socket relay base with LED for 24 V dc control circuits

RMOB-JR-1-24DC-MKDS5 56 01 97 5 8 pin octal socket relay base with LED for 24 V dc control circuits and larger terminal blocks for 10A current rating on contact side

RMOB-JR-1-120 56 01 69 9 8 pin octal socket relay base with LED for 120 V ac control circuits

RMOB-JR-1-120AC-MKDS5 56 01 97 4 8 pin octal socket relay base with indication for 120 V ac control circuits and larger terminal blocks for 10A current rating on contact side

RMOB-JR-2 70 01 21 3 11 pin octal socket relay base for use with relays up to 3 PDT

RMOB-JR-2-24 70 01 43 9 11 pin octal socket relay base with LED for 24 V dc control circuits

RMOB-JR-2-24DC-MKDS5 56 0-1 97 7 11 pin octal socket relay base with LED for 24 V dc control circuits and larger terminal blocks for 10A current rating on contact side

RMOB-JR-2-120  $\,$  70 04 57 0 11 pin octal socket relay base with indication for 120 V ac control circuits

RMOB-JR-2-120AC-MKDS5 56 01 97 6 11 pin octal socket relay base with indication for 120 V ac control circuits and larger terminal blocks for 10A current rating on contact side

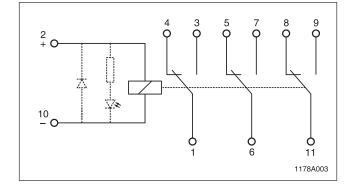


Figure 3. RMOB-JR-2 Relay Base Block Diagram

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