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
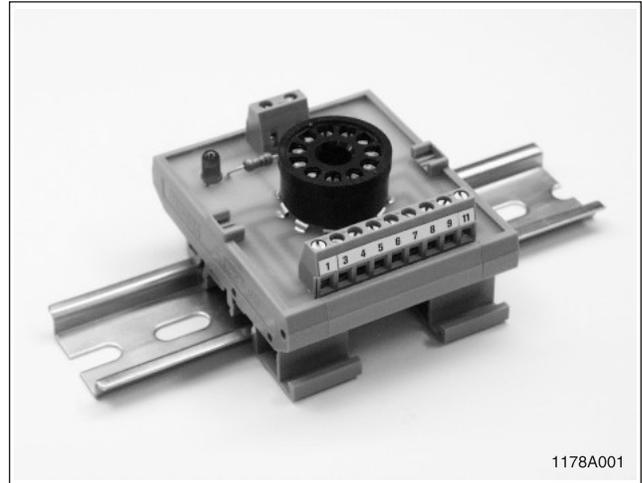
• Status indication lamp

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Figure 1. RMOB-JR-2 Relay Base

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.

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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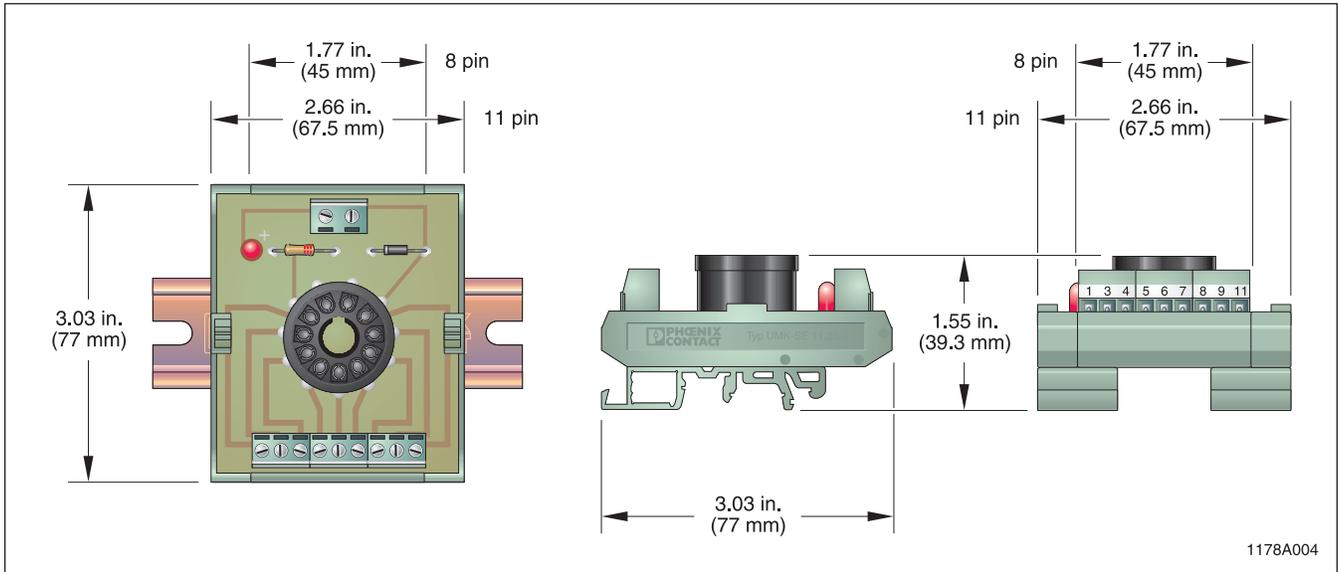# RMOB-JR Relay Base

Figure 2. RMOB-JR-2 Relay Base Dimensions

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
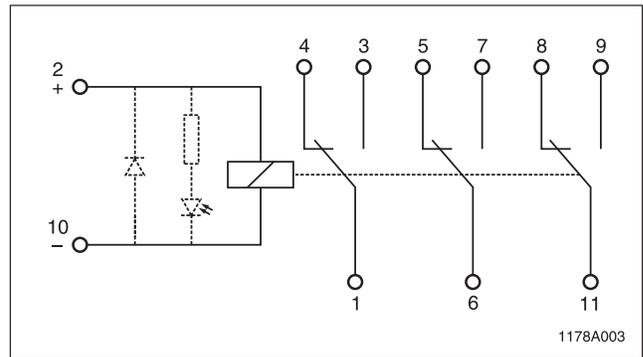side

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

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