Dual Relay Wiring Summary

Overview

Rako can control blind/motor/screens of three main types: 240V, 24V polarity and contact closure:

240V Mains Switching	24V Polarity	Contact Closure
RACUB	RACUB	RACUB
RACUB-2L	RACUB-24VDC	WM-CUB
WM-CUB	WM-CUB	RAK4-R
RAK4-R	RAK4-R	

Mains switching

The RACUB, RACUB-2L, WM-CUB & RAK4-R are used for "mains switching blinds". The six way terminal block is fed with permanent mains and has two switched outputs. A three core and earth cable should be run from the RACUB, RACUB-2L,WM-CUB or RAK4-R to the blind.
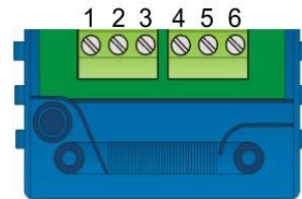
Contact Closure

The RACUB, WM-CUB & RAK4-R can also be used to provide a low voltage/volt free control signal to the blinds. In this case,usually, a 3 core cable is run from the RACUB, WM-CUB & RAK4-R to the blind control box.
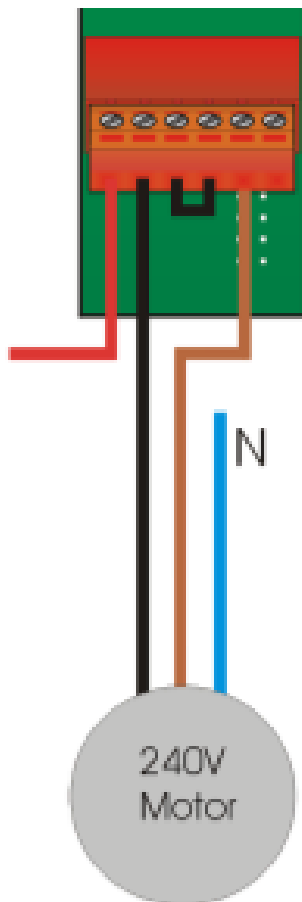
24V Polarity switching

The RACUB, RACUB-24VDC, WM-CUB & RAK4-R can also be used to control 24V polarity switching blinds. A separate 24V power supply is required and a two core cable should be run from the RACUB, RACUB-24VDC, WM-CUB or RAK4-R to the blind.
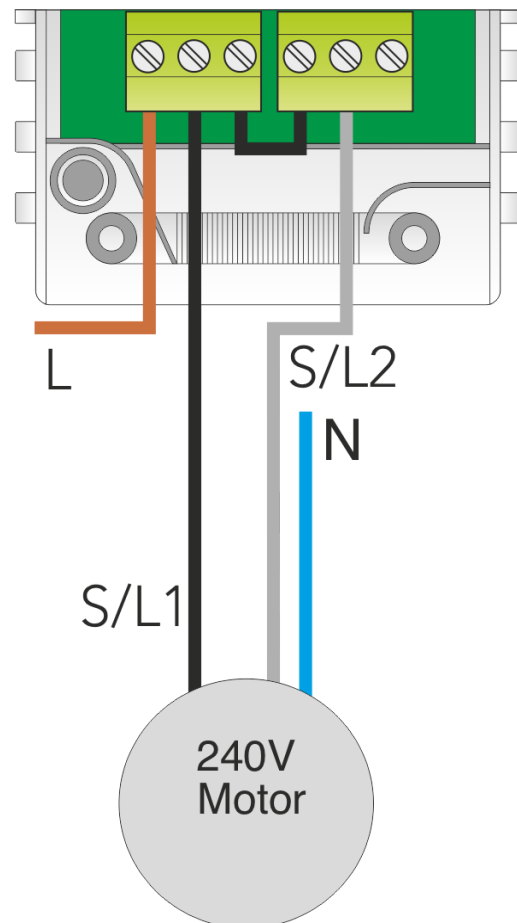
Mains (240V) switching:

Terminal	240V Mains Switching
1	Permanent Mains
2	Relay A Output (Open)
3	Linked to 4
4	Linked to 3
5	Relay B Output (Close)
6	Not used

WM-CUB:

RACUB/RACUB-2L:

L S/L2 N

S/L1

240V Motor

N

240V Motor

NB

The RACUB-2L only works with mains switching blinds.

Contact closure:

Terminal	Contact closure
1	Common
2	Relay A Output (Open)
3	Not Used
4	Common
5	Relay B Output (Close)
6	Not Used
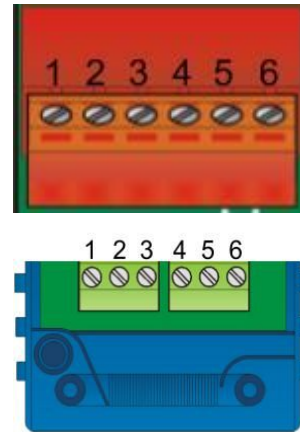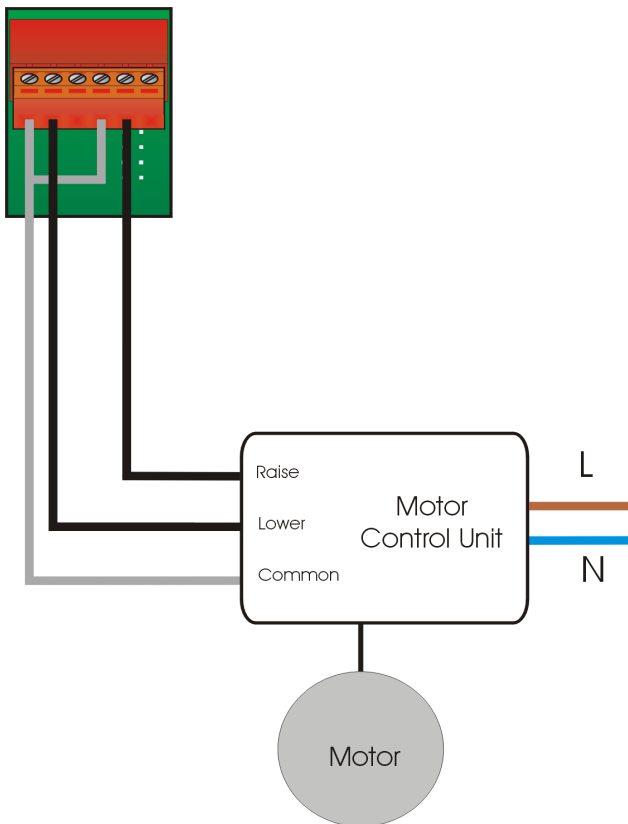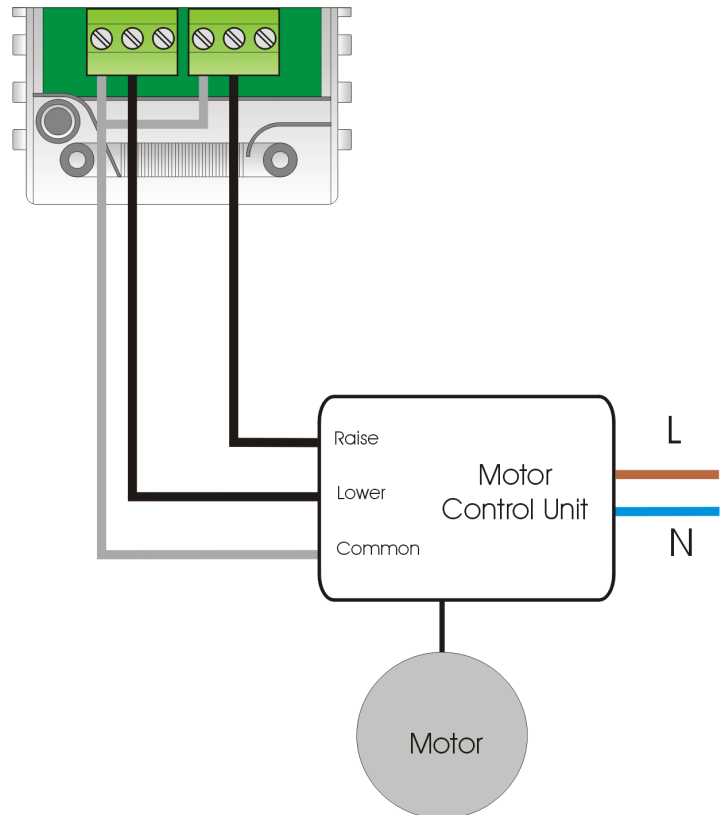
WM-CUB:

RACUB:

24V Polarity Switching:

Terminal	24V Polarity
1	Relay A Output (Open)
2	+24V from PSU
3	0V from PSU
4	Relay B Output (Close)
5	+24V from PSU
6	0V from PSU
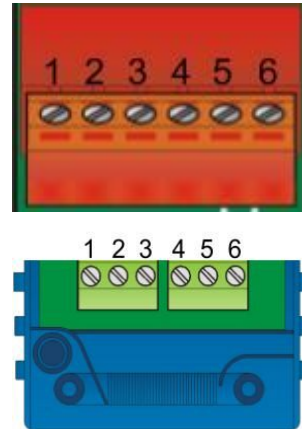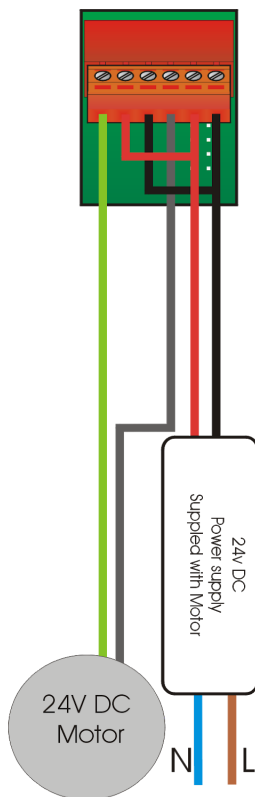
WM-CUB: **RACUB:**
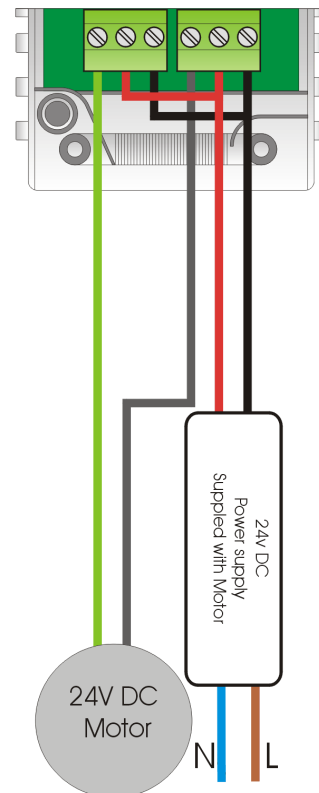
NB: *The RACUB-24VDC only works with 24V blinds*

Rako thanks you for having purchased a Rako product and hopes that you are pleased with your system. Should for any reason you need to contact us please contact us via our website www.rakocontrols.com or by phoning our customer help line on 01634 226666.