

Combined data sheet RAK-4R 4 CHANNEL, TWIN RELAY CURTAIN AND BLIND RACK



WHAT IS IT ?

A 4 Channel twin relay control unit for control of up to 4 curtain or blind motors. Configurable to suit most motor types such as 240V roller, Venetian or Roman blinds, curtain tracks or low voltage motors. Relays are isolated and can be used to provide voltfree contact closures from the Rako network for nonmotor control applications.

The RAK4R can be controlled from Rako wired systems using the RAKLink or wireless systems using the RxLink interfaces.

Controllable by any Rako wireless or wired contol panels, remote controls and Bridges. The RAK-4R is a four channel controller which can be used to operate Curtain, Blinds and Screen motors.



FEATURES

Each of the 4 channels has twin changeover relays for control of one blind/curtain motor. The six connections for each channel allow the relays to be wired to suit most motor types. The auxiliary mains terminals simplify wiring for mains voltage motors.

As a default relays latch in response to Raise/Lower or Scene commands but using Rasoft programming software relays can be configured for momentary action or momentary with latch after a defined period. This feature is most commonly used for blinds with a 'tilt' action such as Venetian or Roman styles.

As a default relay pairs have a 'stop on changeover' function releasing one relay before connecting the other to reduce the harmful back-emf effects generated by motor windings.

For more detailed information see Rako's application sheet 'Rako Blind and Curtain Controls'



Combined data sheet

RAK-4R

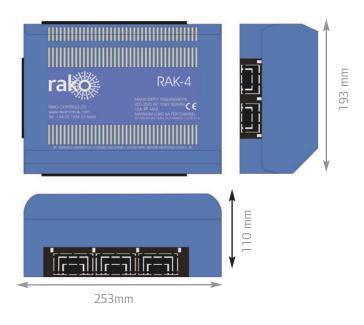
4 CHANNEL, TWIN RELAY CURTAIN AND BLIND RACK



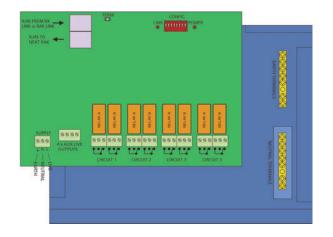
technical data

| dimensions | 193x253x110mm |
|----------------|---|
| input supply | 200-260V AC 50/60Hz |
| weight | 5Kg |
| housing | Powder coated galvanised steel |
| climate range | Temperature +2C to +40C Humidity +5% to 95% non condensing |
| connections | 3 way screw terminal for mains supply 4 way screw terminal for load outputs 2 RJ45 sockets for RxLink connection |
| protection | Auto resetting over current protection Auto thermal shutdown Voltage surge protection |
| terminal sizes | 2.5mm ² - Stranded 4.0mm ² - Solid |
| cable entry | 10x 20mm top and bottom |
| standards | Emissions - EN61000-6-3 : 2001 Immunity - EN61000-6-1 : 2001 |
| memory | Flash memory (non volatile) |

mechanical data



connection details



telephone +44 (0) 1634 226666 fax +44 (0) 1634 226667 www.rakocontrols.com