SECURITRON MODEL RB4-12, RB4-24 RELAY BOARD
INSTALLATION AND OPERATING INSTRUCTIONS

1. DESCRIPTION
The RB4 board mounts four double pole, double throw relays with connection points to the coils and contacts being implemented on screw terminals. The boards are furnished on Snap Trak mounting permitting their installation in a variety of situations. The relays provide 2 Amp contacts on each pole. The 12 volt version of the board uses relays that draw 13 mA each and the 24 volt version uses relays that draw 8 mA each. The relays operate on DC only but will accept +50%, -25% of nominal voltage. Pulsating DC (transformer + bridge rectifier) will operate the relays. According to the status of jumper wires, the relays may be operated with one side of their coils in common or they may be fully isolated from each other.

2. WIRING
Figure 1 shows terminal identification. As factory delivered with the four wire jumpers in place, the “negative” coil terminals (-1, -2, -3, -4) are all in common. So to operate the relays, simply apply 0 DC (negative) to any of the “-” coil terminals and then individually apply +DC to each “+” coil terminal to operate the respective relay. Note that the relays are not polarized so you can reverse this scheme if desired. +DC can be applied to any of the “-” coil terminals and then the relays can be individually operated by applying 0 DC (negative) to each “+” terminal.

The four wire jumpers are normally left connected but may be cut for a special requirement. In some applications, the voltage inputs that switch on the relays may be from more than one power supply and you will not want to mix the supply voltages by putting them in common. When the associated jumper is cut, the coil terminals are totally isolated. Therefore different power sources can independently operate each relay, if desired.
MAGNACARE® LIMITED LIFETIME WARRANTY

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SECURITRON will use its best efforts to ship a replacement product by next day air freight at no cost to the customer within 24 hours of SECURITRON’s receipt of the product from customer. If the customer has an account with SECURITRON or a valid credit card, the customer may order an advance replacement product, whereby SECURITRON will charge the customer’s account for the price of the product plus next day air freight, and will credit back to the customer the full amount of the charge, including outbound freight, upon SECURITRON’s receipt of the original product from the customer.

SECURITRON’s sole and exclusive liability, and customer’s sole remedy, is limited to the replacement of the SECURITRON product when delivered to SECURITRON’s facility (freight and insurance charges prepaid by customer). The replacement, at SECURITRON’s sole option, may be the identical item or a newer unit which serves as a functional replacement. In the event that the product type has become obsolete in SECURITRON’s product line, this MAGNACARE warranty will not apply. This MAGNACARE warranty also does not apply to custom, built to order, or non-catalog items, items made by others (such as batteries), returns for payment, distributor stock reductions, returns seeking replacement with anything other than the identical product, or products installed outside of the United States or Canada. This MAGNACARE warranty also does not apply to removal or installation costs.

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