STROBE RELAY CARD SRB1-P

EV2000 SERIES

The **EV2000** series strobe relay card has been designed to monitor and switch alert and evac strobe indicators, up to 5 amps per circuit. SRB1-P has been configured for a 2 wire monitored output, LED'S have been provided for strobe circuit status and a fault relay with voltage free contacts for strobe circuit fault condition.

Installation

1. Mount strobe relay card using stand-offs.
2. Connect the fault contacts to F.I.B. input, if required (N.O. & COM close when a strobe open or short occurs)
3. Connect the 2 wire strobe circuit, voltage is supplied in one direction for alert and reversed for evac.
   Alert activated A+ = 24vdc
   E+ = 0V
   Evac activated A+ = 0V
   E+ = +24vdc
   (A diode is required in series with each strobe, normally it is internal, check with your supplier)
   A 4K7 resistor is required in parallel at end of strobe circuit.
4. The strobe relay card is activated, by grounding the "AL" terminal for alert and "EV" for evac. This is normally connected to the "AL IND" and "EV IND" of the EV2000 evac card, or can be grounded independently.
5. Connect the SRB1-P to 24 VDC, checking polarity, a green "OK" led should indicate strobe circuit ok.
6. The SRB1-P unit has a self resetting fuse for over-current protection.

Operation

In normal operation the SRB1-P should display a "OK" green led showing circuit integrity.
OPEN CIRCUIT- the yellow "O/C fault" led will illuminate, the "OK" led will turn off and the fault relay will de-energize.
SHORT CIRCUIT- the red "S/C fault" led will illuminate, the "OK" led will turn off and the fault relay will de-energize.
The fault relay is normally energized and de-energizes on fault or if input voltage is lost.

NOTE: In the event of an open circuit the output voltage is still supplied and is disabled in a short circuit condition.

Specifications

Supply voltage	20-30 VDC
Operating current	30mA stand-by, 70mA Alert, 100mA Evac
Alert strobe current	5 Amps max
Evac strobe current	5 Amps max
Dimensions	75mm L x 72mm W x 25mm H
End of line resistor	4K7 Ohms