Commissioning

1. When wiring of the Control Inputs (T1) and the Power Supply Input (T2) is complete and checked to be OK, apply power to the Module.

2. The Relays can be tested via the "Test Auxiliaries" option. <MENU>, 4, 2.
   -Determine the Auxiliary ID Numbers of the Auxiliaries connected to the Relay board.
   -Turn each Auxiliary On and Off in turn while monitoring the relevant LED on the Relay board to check that the Relay is functioning.

Designed & manufactured in Australia.

 Part No: 633084

Model 3000/Access 4000
8 x 5A Passive Relay Board
P/N: 993084

INSTALLATION NOTES

Introduction

The 8 x 5Amp Passive Relay Board provides eight independent, high current relay outputs, offering a general purpose interface in applications such as warning devices (strobes, etc.), air-conditioning, process control and access control including door locks.

The relays can be switched by any Open collector Auxiliary output capable of switching up to 50mA.

IMPORTANT NOTE: Ensure that the current required by the Relay Board is within the limits of the Module, Power Supply or other Device that is used to power the Relay Board.

Specifications

Power Supply Input:	11V to 14V DC
Current Consumption:	45mA per relay.
Contact Rating.	
Maximum switching current:	5 Amps @ 50VAC or 24VDC
Physical dimensions:	Length: 180mm Width: 68mm
Installation environment:	0º to 40º Celsius
	15% to 85% Relative humidity (non-condensing)

NOTE: While the relays used on this product have higher AC Voltage contact ratings, the manufacturer does not recommend direct connection of AC voltages above 50VAC to the relay contact connections.

8 x 5A Passive Relay Board

- Relay PCB sub-assy.
- 1 x 8 Way Plug-on screw terminal
- 1 x 2 Way Plug-on screw terminals.
- 4 x 6 Way Plug-on screw terminals.
- 4 x M3 screws.
- 4 x Plastic self adhesive PCB standoffs.
- Installation notes.

Installation

-The 8 x 5Amp Relay Boards can be mounted in a convenient location by one of the following methods:
a) -In any suitable enclosure using the self adhesive stand-offs provided.
b) -In a Model 3000/Access 4000 enclosure where additional stand-offs are provided for the installation of ancillary boards; using the M3 screws provided.

-Connect T1 “1” to “8” to the required Auxiliary Outputs on the Model 3000/Access 4000 Module or Auxiliary Expander Board. *See diagram opposite.*

If powered from a Model 3000 / Access 4000 Module:
-Connect T2 “V+” and “GND” to “DET+” and “DET-” on the Module.

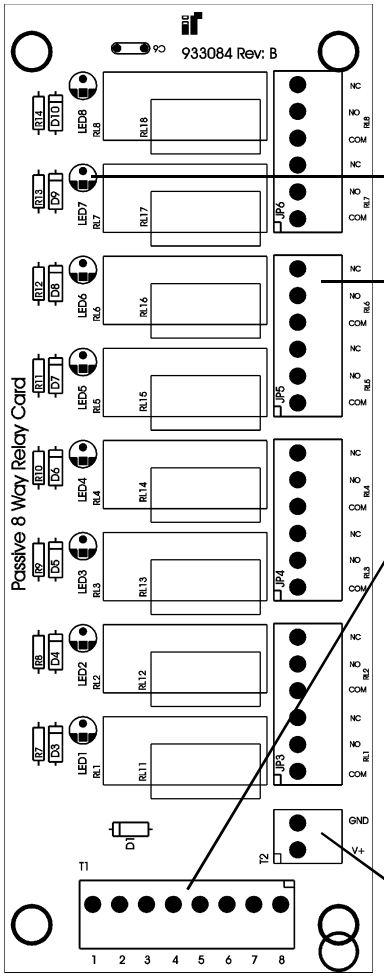
If powered from a separate 12V Power Supply.
-Connect T2 “V+” to the +12V output terminal of the Power Supply.
-Connect T2 “GND” to the 0V (-VE) terminal of the Power Supply, AND also to “DET-” on the Module that is being used to control the Relay board.

-Test the installation by following the steps under “Commissioning” on Page 4.

-Connect the Relay outputs to the device/s to be controlled, then test again.

NOTES:
1) If a separate Power Supply is used to power the Relay Board ensure that a common Negative connection is provided between the Power Supply and the Module used to control the relays.
2) Ensure that any Relay boards plus other devices powered from the Module or separate Power Supply do not exceed the maximum auxiliary current allowed.

8 x 5Amp Passive Relay Board

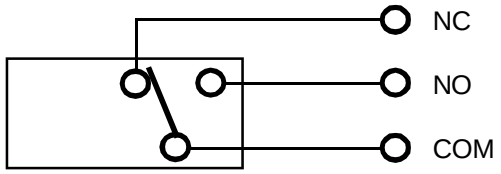


LED1 to LED8
Relay ON Indicator LEDs.

JP3 to JP6.
Common, Normally Open & Normally Closed Relay output contacts for each of the 8 Relays. *See diagram below.*

T1.
Trigger input terminals for each Relay. Can be connected to Open Collector Auxiliary outputs such as:
-8 Aux Expander 995055, T1.
-8 Aux Expander 993055, JP2.
-Mini Expander Module, TB4.
-Intell 4 Door Access Module, T14.
-24 Aux. Expander, T1, T2 or T3.
-Universal Expander Module, T8.

T2.
Power Supply input. +12V & Gnd (0V)



Relay Contacts.
Schematic diagram.
Max: 5A@50VAC or 24VDC.