

# Versatile 8 Way Relay Board

(For Expanders & Control Module)

For general purpose switching applications like process control, warning devices, simple building automation and even control of door locks, etc, the 8 Relay Expander Board adds 8 relays which can switch high-current, low voltage loads.

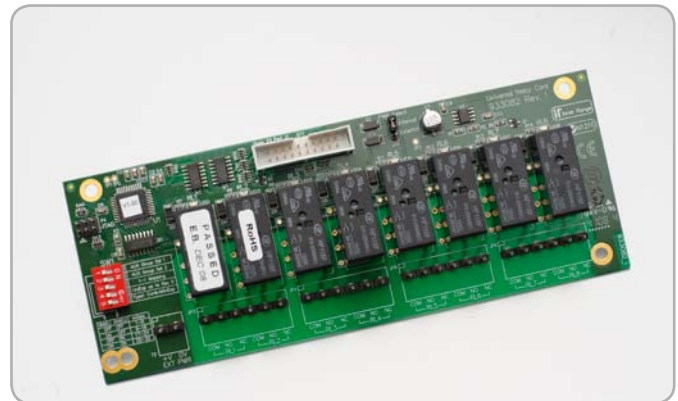
One Versatile 8 way relay Board can be fitted to a Mini Expander and Concept 3000/4000 Control Modules whereas up to 4 may be attached to a single Universal Expander by means of a Relay Extension Cable (995019).

### Features:

- 8 Relay outputs
- Compatible with Concept 3000/4000 Type 0, 1 & 2 Controllers
- Compatible with all Universal Expanders
- Up to four relay cards can be connected to one Universal Expander

### Ordering options

**995082**  
Versatile 8 Way Relay Board  
(For Expanders & Control Module)



### SPECIFICATIONS

#### Physical

PCB Dimensions – 995082	180(L) x 68(W) (mm)
Installation Environment	0° – 40°C @ 15% to 85% Relative humidity (non-condensing)

#### Electrical

Input Voltage to PCB	Via host Universal Expander
Operational Current	Min.: 60mA (per relay when energised) Max.: 480mA (All relays active)

#### Outputs

Relay outputs	8
Max. switchable current per relay	10A @ 30VDC (resistive load) per relay
Max. combined output current	To be included within the constraints of the host Universal Expander

## Passive Relay Cards

### 2 x 10 Amp Relay Card (Connected Strip of 8)

The 2 x 10Amp x 8 Relay Board provides low voltage, high current relay outputs, offering a general purpose switching interface. The Relay Board is supplied as a strip of 8 Boards with a common DC Supply connection that can be used complete with all 16 Relays or broken down to the required size. The relays can be switched by any Open collector Auxiliary output capable of switching up to 50mA.

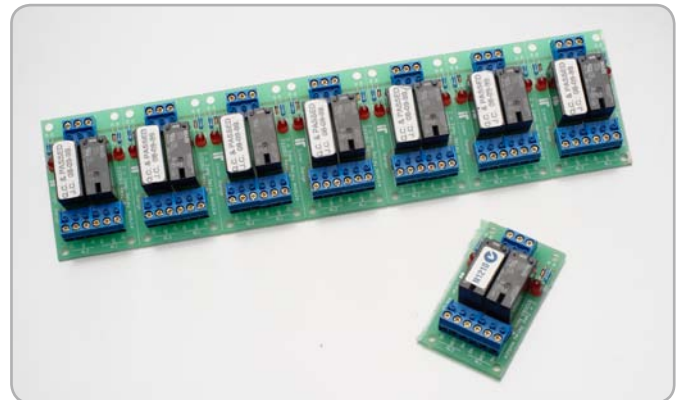
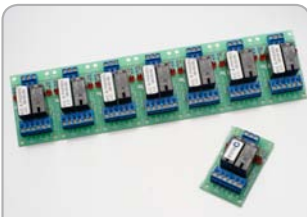
### 1Amp DPDT Relay Card

The 1 Amp Double-pole, double throw Relay interface provides low voltage relay outputs offering a general purpose switched interface. A single relay is provided with connections for two independent sets of contacts. The relays can be switched by any Open collector Auxiliary output capable of switching a minimum of 20mA.

### Ordering options

**995083M**  
2 x 10Amp x 8 Relay Card

**995085**  
1Amp DPDT Relay Card



### SPECIFICATIONS for 995083M & 995085

#### Physical

PCB Dimensions	<b>995083M</b> - 70(W) x 40(L) Single / 70(W) x 320(L) Strip of 8 (mm)
	<b>995085</b> - 38(W) x 48(L) x 20(H) (mm)
Installation environment	0° to 40° Celsius 15% to 85% Relative humidity (non-condensing)

#### Electrical

Power Supply Input	11V to 14V DC
Current Consumption	<b>995083M</b> - 45mA per relay <b>995085</b> - 15mA per relay

#### Outputs

Contact Rating:	<b>995083M</b> - Max. switched current: 10 Amps @ 30VDC (Resistive load) <b>995085</b> - Max. switched current: 1 Amp @ 24VDC (Resistive load)
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