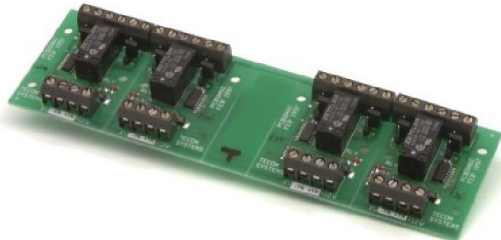


TS0843 4-Way Buffered Relay Card Installation Sheet



Description

The 4-Way Buffered Relay Card is a strip of four snap-off relay modules that can be used wherever auxiliary relays are required. The strip of four relays can be snapped apart to provide two strips of two relays, or four individual relays.

Common relay contacts can be linked to +12 V or 0 V as required to enable the relays to be activated from a variety of sources. The double-pole, double-throw, 2 Amp relay contacts provide a range of relay connection options. Each relay has both Normally Open (NO) and Normally Closed (NC) contact options. Common power tracts span all relay modules, allowing a single power connection to supply all the relays in the strip.

A strip of four relays can be mounted as double 'B' size boards; a strip of two relays can be mounted as 'B' size boards; and individual relays can be mounted as 1/2 'B' size boards.

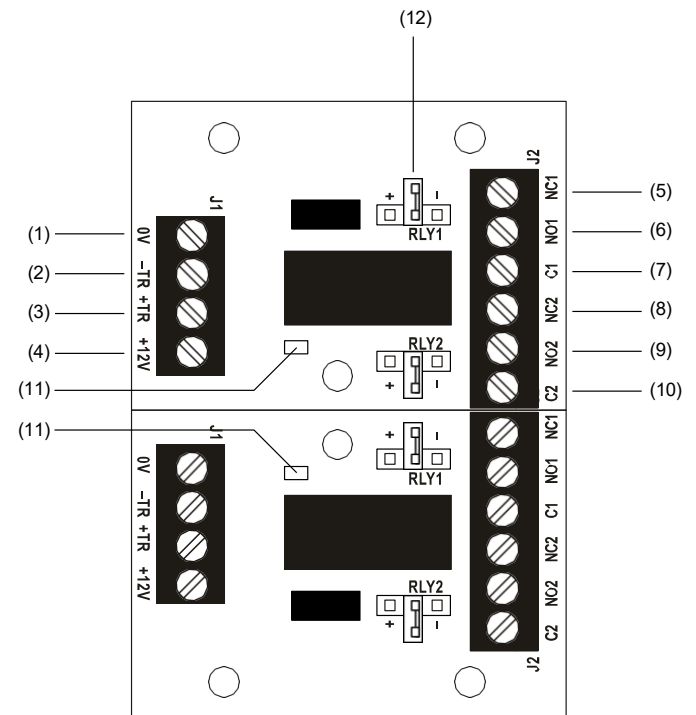
Installation

Note: A qualified service person, complying with all applicable codes, should perform all required hardware installation.

Individual relay modules have two alternative layouts, as shown in Figure 1 below.

Use the jumper link (12) to configure the relay module's contact set 1 or contact set 2.

Figure 1: Alternative layouts of TS0843 PCB



- (1) Power supply 0 V. Power may be supplied by the RS-485 LAN or by an external power supply, as needed.
- (2) -TR terminal. Use this terminal for a negative trigger input. A voltage of less than 2.8 V DC applied to this terminal will trigger the relay.
- (3) +TR terminal. Use this terminal for a positive trigger input. A voltage of greater than 2.8 V DC applied to this terminal will trigger the relay.
- (4) Power supply 12 V. Power may be supplied by the RS-485 LAN or by an external power supply, as needed.
- (5) Normally Closed contact for contact set 1.
- (6) Normally Open contact for contact set 1.
- (7) Common contact.
- (8) Normally Closed contact for contact set 2.
- (9) Normally Open contact for contact set 2.
- (10) Common contact.
- (11) LED is on when the relay is energised.
- (12) Configuration links to provide +12 V or 0 V to the common contact for contact set 1 or contact set 2.

Specifications

Voltage	10.5 to 13.8 VDC
Operating current	30 mA per relay
Number of relays	Four double-pole, double-throw
Contact rating	2 A at 12 VDC
Trigger levels	Positive >+2.8 VDC Negative <+2.8 VDC
Dimensions (W × H)	'BB' size board (four relays) 'B' size board (two relays) '1/2 B' size board (one relay)

Regulatory information

Manufacturer	KGS Fire and Security Australia Pty Ltd Suite 4.01, 2 Ferntree Place, Notting Hill VIC, 3168, Australia
Year of manufacture	The first two digits of the product serial number (located on the product identification label) are the year of manufacture.
Compliance	 N4131

NOTICE! This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Disclaimer

The customer is responsible for testing and determining the suitability of this product for specific applications. In no event is KGS Fire and Security Australia Pty Ltd (trading as Aritech) responsible or liable for any damages incurred by the buyer or any third party arising from its use, or their inability to use the product.

Contact information

For contact information, see www.aritech.com.au