

C-Bus 4 Channel Changeover Relay



L5504RVFC Series

The C-Bus Four Channel Voltage Free Changeover Relay is used in applications where changeover contacts are required. Typically, this unit is designed to operate three-speed motors and two-way motor control devices such as motorised blinds, shutters, curtains and skylights.

Four independent, voltage free, changeover relay contacts are provided, each with Normally Open, Normally Closed and Common terminals.

The units include C-Bus Learning features, which allow the units basic features to be programmed without the need for a PC connected to the system. Alternatively, units can be programmed via a PC and the C-Bus installation software.

This C-Bus device is DIN rail mounted and designed to be used in electrical switchboards. They measure 8M DIN modules wide (1M = 17.5 +0.5/-0.0 mm). C-Bus connection is conveniently achieved through the use of RJ45 connectors, allowing similar units to be quickly looped together.

The L5504RVFC Series units have an internal C-Bus power supply capable of supporting a number of other C-Bus units (200mA capacity). The L5504RVFCP Series units do not have a C-Bus power supply, but consume no current from the C-Bus Network during normal operation.

This Series of C-Bus units is capable of generating a C-Bus clock signal and providing a C-Bus network burden. Both the clock signal and the burden are selectable through the C-Bus Installation software or via Learn Mode operations.

The L5504RVFC Series C-Bus Four Channel Voltage Free Changeover Relay unit is suitable for use with resistive, inductive, fluorescent and incandescent loads.

The unit optically isolates the mains power from the safe extra low voltage C-Bus network. LED Indicators are provided to show the status of the C-Bus Network and the status of the unit.

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L5504RVFC Series C-Bus Changeover Relay Unit

- Provides four independent changeover, non-latching relays contacts in an 8M wide DIN rail enclosure.
- Suitable for use with resistive loads (10A maximum per channel), inductive loads (5A maximum per channel), fluorescent loads (1A maximum per channel), and incandescent loads (5A maximum per channel).
- Units available both with and without a 200mA C-Bus power supply on-board.
- Up to 100 units without power supply or 10 units with power supply are permitted on any one single C-Bus network (255 networks available in a C-Bus installation).
- Configured via either the C-Bus Installation Software or the Learn Enabled Features.
- Local ON/OFF toggle buttons allow individual channels to be manually overridden at each unit.
- Remote ON and OFF facilities permit all channels to be turned ON or OFF without C-Bus network communication.
- The C-Bus side and output stages are electrically isolated.
- Incorporates C-Bus Network Status, Mains Power Status, and Load Status indicators.
- Capable of generating a C-Bus clock signal if enabled.
- A network burden is incorporated and is software selectable.
- Logic states (and/or) configurable via installation software.
- Incorporates power recovery options to restore loads 'as was', 'off' or 'on'.
- 2 x RJ45 sockets are incorporated to facilitate the C-Bus connection.
- Supplied with a 300mm C-Bus Category 5 patch lead complete with pre-terminated RJ45 connectors.
- The output terminals accommodate 2 x 1.5mm² or 1 x 4.0mm² cable.
- EMC Compliant to meet the requirements for marking with the CE and RCM marks.
- Capable of being programmed via the installation software without the need for a mains connection.
- Draws 18mA when being programmed and no mains connection is made.
- When a mains connection is made, the unit does not draw any current from C-Bus.
- Dimensions: W=144mm, H=85mm, D=65mm.
- Weight: 370g.

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