

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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A member of the Schneider Electric Group.

Head Office

12 Park Terrace, Bowden
South Australia 5007
PO Box 103 Hindmarsh
South Australia 5007

Telephone +61 8 8345 9500
Facsimile +61 8 8346 0845
Internet www.clipsal.com/cis
E-Mail cis@clipsal.com.au

CIS Technical Support Hotline:
1300 722 247

Customer Service Enquiries:
1300 2025 25

National Customer Service Facsimile:
1300 2025 56

International Enquiries

International Sales and Marketing

Telephone +61 8 8269 0587
Facsimile +61 8 8340 7350
E-Mail export@clipsal.com.au

New Zealand

Clipsal Industries (NZ) Ltd
Telephone +64 9 576 3403

Malaysia

Clipsal Integrated Systems (M) Sdn Bhd
Telephone +60 3 7665 3555

Singapore

Clipsal Integrated Systems Pte Ltd
Telephone +65 6415 3232/3233

China

Clipsal China Limited
Telephone +86 755 8237 5959

Greece

Schneider Electric AE
Telephone +30 69 4646 3200

Hong Kong

Clipsal Integrated Systems (HK) Limited
Telephone +852 2487 0261

India

Schneider Electric India Pvt Ltd
Telephone +91 11 5159 0000

Indonesia

PT Clipsal Graha Nusa
Telephone +62 21 630 6430

Korea

Clipsal Korea Co. Ltd
Telephone +82 549 5550

Pakistan

Clipsal Pakistan (Pvt) Ltd
Telephone +92 21 506 7278

Philippines

Clipsal Philippines Inc.
Telephone +632 683 0275-78

South Africa

Clipsal South Africa (Pty) Ltd
Telephone +27 11 314 5200

Taiwan

Clipsal (Taiwan) Co Ltd
Telephone +886 2 2558 3456

Thailand

Clipsal Thailand Ltd
Telephone +66 2 952 5338-42

United Arab Emirates

Clipsal Middle East
Telephone +971 6 5570 777

United Kingdom

Clipsal Integrated Systems
C/o Schneider Electric
Telephone +44 870 608 8 608

Vietnam

Clipsal - VTEC
Telephone +848 856 3002



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