

C-Bus 4 Channel Analogue Output, DIN Rail Series

C-Bus²

CLIPSAL[®]
INTEGRATED SYSTEMS



L5504AMP Series

The L5504AMP Series Analogue Output unit provides analogue output voltages in the range 0-10Vdc, which can be used as the control signals for various peripheral devices including electronically dimmable fluorescent lighting ballasts. For ease of installation they are DIN rail mounted, measuring 4 DIN modules wide.

The L5504AMP Series Analogue Output unit comprises of 0-10Vdc output controlled by instructions from the C-Bus Network. The unit is capable of sinking or sourcing current as appropriate for the connected load. Each channel may drive multiple loads, depending on the load current requirements.

The units include the C-Bus Learn Mode feature. This allows the units to be programmed without the need for a PC connected to the system. Alternatively, units can be programmed via a computer and the C-Bus Installation software.

Local toggle buttons are included to allow individual channels to be toggled at each unit, as well as via C-Bus commands. Remote ON and OFF facilities are available, permitting all channels to be turned ON or OFF without C-Bus network communication.

Like all the other units that make up a C-Bus system, the C-Bus Analogue Output units are Australian designed, developed and manufactured by Clipsal Integrated Systems Pty Ltd.

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IBS Intelligent Building Series™

L5504AMP Series C-Bus Analogue Output



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- 0-10Vdc output, can be used as control signals for various peripheral devices including electronically dimmable fluorescent lighting ballasts. Controlled by instructions from the C-Bus Network.
- DIN rail mounted, measuring 4 DIN modules wide.
- Capable of sinking or sourcing current as appropriate for the connected load. Each channel may drive multiple loads, depending on the load current requirements.
- Incorporates the C-Bus Learn Mode feature.
- Does not consume any current from the C-Bus network during normal operation.
- C-Bus connections via 2 x RJ45 connectors, allowing similar units to be quickly looped together.
- Capable of generating a C-Bus clock signal and providing a C-Bus network burden. Selectable through the C-Bus Installation software.
- Local toggle buttons allow individual channels to be toggled at each unit, as well as via C-Bus commands.
- Remote override facilities are available, permitting all channels to be turned ON or OFF without C-Bus network communication.
- Incorporates a C-Bus and Unit indicator, showing the status of the C-Bus Network and the status of the individual unit.
- Incorporates an onboard non-volatile memory, which is used to store the operating state of the unit in case of power loss.
- Draws 22mA from the C-Bus Network regardless if connected to the mains supply. Does not source any current to the C-Bus Network.
- Capable of being programmed via the installation software without the need for a mains connection.
- Output Voltage Range: 0 (± 0.5) to 10 (± 0.5) VDC
- Output Rating - Sourcing: 2.5mA (i.e. minimum of 4k Ω)
- Output Rating - Sinking: 15mA at $V_{out} = 0V$, 8mA at $V_{out} = 10V$, i.e. $I = 15 - (0.7 * V_{out})mA$
- Quiescent Power: 10 Watts
- A maximum of 50 units may be connected to a single C-Bus network.
- Configured via the C-Bus Installation Software or the Learn Enabled Features.
- 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 2.5mm² cable.
- EMC Compliant to meet the requirements for marking with the CE and RCM marks.
- Dimensions: W=72mm, H=85mm, D=65mm.
- Weight: 245g.

