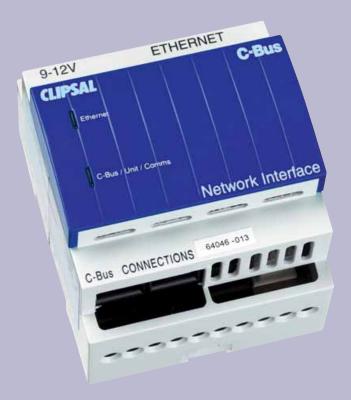# C-Bus®

II CLIPSAL®
LIVING ELECTRICAL

C-Bus® Network Interface

5500CN Series

The C-Bus® Network Interface (CNI) is a C-Bus® system device designed to provide an isolated communications path between an Ethernet 10Base-T Network and a C-Bus® Network. This allows high-speed control and monitoring of a C-Bus® installation via the TCP/ IP protocols used in computer networks and by the Internet.

The CNI is a nearly instantaneous connection to a C-Bus® network. It provides a gateway between high-speed, high bandwidth Ethernet communication and the robust, timetested Clipsal C-Bus® Automation System.

System integrators and installers can program a C-Bus® network remotely without the need for transporting a PC to the local C-Bus® network and connecting via the serial port. With the CNI, the network can be as close as the nearest Ethernet connection.

In addition to programming, the CNI provides similar convenience for third party applications to issue commands to a C-Bus® network and monitor the behavior of units on the network.

The C-Bus® Network Interface is assigned an IP address, just like a PC on a computer network. Once an IP address is assigned it is possible for a myriad of applications, applets and third party systems to send C-Bus® commands to the C-Bus® network - all remotely, across buildings or across the country.

In addition to all these features, the CNI is a native C-Bus® device that utilises the C-Bus® protocol. The CNI can provide a system clock to synchronise all units on the network. The CNI can also ensure reliable communications on the network via the software selectable burden. The CNI does everything the C-Bus® PC Interface does and more.

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II CLIPSAL®
C-Bus®
Control and Management System

5500CN Series C-Bus® Network Interface

- Connects directly to the C-Bus® network via the C-Bus® Category 5 data cable

- Provides an isolated communications path between an Ethernet 10Base -TNetwork and a C-Bus® Network

- DIN rail mounted measuring 4M wide

- Can be used to program C-Bus® Units

- Capable of issuing commands to a C-Bus® Network, including scheduled activities

- Capable of monitoring and data logging of activities on a C-Bus® Network

- Capable of generating a C-Bus® system clock for communications data

- Capable of providing a software selectable Network Burden

- Ethernet LED indicator shows the status of the Ethernet side of the Network Interface

- C-Bus® LED indicator shows the status of the C-Bus® side of the Network Interface. Installation on to a C-Bus® Network requires connection to the unshielded twisted pair C-Bus® Network Cable

- Incorporates a C-Bus® PC Interface Module for commun-ications to the C-Bus® Network. Programming of the C-Bus® side can be done in the same manner as programming a standard PC Interface

- Must be supplied with power at the 9 -12V ac/dc terminal for programming of either the C-Bus or Ethernet sides of the unit

- When connected to an Ethernet Network the CNI may be configured with standard TCP/IP commands

- C-Bus® Side connection via RJ45 Connectors (2 off)

- Ethernet Side connection via RJ45 Connector

- Dimensions: H=85mm, W=72mm, D=65mm

- Weight: 130g.

C€ Patented

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