

# C-Bus<sup>2</sup>

**CLIPSAL**<sup>®</sup>  
INTEGRATED SYSTEMS

## C-Bus Power Supply - 350mA



5500PS

The C-Bus Power Supply Unit supplies C-Bus power to passive C-Bus units such as Key Inputs and Occupancy Sensors. For ease of installation the units are DIN rail mounted measuring 4 DIN modules wide.

Capable of supplying the power needs of up to 18 standard passive C-Bus units, the Power Supply can source up to 350mA to the C-Bus network.

The unit is fully compatible with the C-Bus Professional Series of high power architectural dimmers and also complements the non-powered range of DIN Rail Relays and Dimmers.

The power supply is a switched mode type specifically designed to operate with the C-Bus system. The advantages of the switched mode design include its smaller volume, higher efficiencies and low power dissipation.

Designed to operate in parallel with other C-Bus Power Supply units, up to 5 DIN Rail Power Supplies may be connected to a single C-Bus Network. Under these circumstances each power supply unit shares the load equally. To enhance maximum efficiency, the Power Supplies should be distributed equally along the C-Bus Network.

They also feature two status indicators, a C-Bus Network Indicator and a Mains Voltage Indicator. The C-Bus Network Indicator reports on the state of the C-Bus voltage level and the presence or otherwise of a system clock. The Mains Voltage Indicator reports on the presence of a mains voltage to the unit.

The unit incorporates short circuit and reverse polarity protection and the line voltage is galvanically isolated from the output.

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

[clipsal.com/cis](http://clipsal.com/cis)

**CLIPSAL**  
IBS Intelligent Building Series™

## 5500PS C-Bus Power Supply - 350mA

- Designed to operate at a nominal voltage of 120Vac and 240Vac and a wide frequency range from 47Hz to 63Hz.
- Automatically compensates for line voltage and frequency variations to ensure the output remains constant.
- Nominal output of the units is 36Vdc and can source up to 350mA to the C-Bus Network.
- Incorporates short circuit and reverse polarity protection.
- Line Voltage is galvanically isolated from the output.
- The power supply is a switched mode type, specifically designed to operate with the C-Bus system.
- Low DC impedance of approximately 20 ohms and a high AC impedance, which is a requirement for the C-Bus Network as the data is superimposed on the DC voltage.
- Up to 5 DIN Rail C-Bus Power Supplies may be connected to a single C-Bus Network.
- Output voltage varies from 39Vdc to 32Vdc as the unit is loaded.
- A maximum of 18 standard C-Bus units (each sinking 18mA) are supported by one unit.
- Units feature 2 x RJ45 connections to the C-Bus Network and a 300mm mains rated patch lead is supplied.
- Incorporates a C-Bus Network Indicator and a Mains Voltage Indicator.
- Incorporates thermal and overload protection.
- DIN mounted measuring 4M wide.
- Designed to meet Australian and European standards for EMC Compliance and Safety.
- Configured via the C-Bus installation software.
- Dimensions: H = 85mm, W = 72mm, D = 65mm.



### Head Office

12 Park Terrace, Bowden, South Australia 5007  
Telephone (08) 8269 0560  
International +61 8 8269 0560  
Facsimile (08) 8346 0845  
International +61 8 8346 0845  
E-Mail cis@clipsal.com.au  
Internet clipsal.com/cis

### International Enquiries

#### Head Office Export Department

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

### New Zealand

Clipsal Industries (NZ) Ltd  
Telephone +64 9 576 303

### Malaysia

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

### Singapore

CIS Pte Ltd (Singapore)  
Telephone +65 266 1998

### Hong Kong

Clipsal Integrated Systems (HK) Limited  
Telephone +852 2 487 0261

### China

Clipsal China Limited  
Telephone +86 755 246 1122

### Taiwan

Clipsal (Taiwan) Co Ltd  
Telephone +886 2 25583456

### Thailand

Clipsal Thailand Ltd  
Telephone +66 2 952 5338

### South Africa

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

### United Kingdom

Clipsal Ltd (UK)  
Telephone +44 1494 521 111

### Greece

Clipsal Hellas S.A.  
Telephone +30 1 993 9165



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