Clipsal C-Bus

Product Guide

Make the most of your energy℠

Schneider Electric

Introduction to C-Bus

The Clipsal C-Bus system is a microprocessor based wiring system used to control lighting and other electrical devices.

From ON/OFF control of a lighting circuit to analogue type control, such as dimming electronic fluorescent ballasts, C-Bus can control and automate virtually any type of electrical load.

C-Bus information is held within individual C-Bus units rather than one central point. This ensures optimum communications speed and reliability.

To ensure fast and reliable operation, each device has its own built-in microprocessor, which can be individually programmed via 'point and click' PC-based software, or via 'Learn Mode' which doesn't require a PC.

While a computer is unnecessary for normal C-Bus operation, C-Bus PC-based control and management software is available and provides additional flexibility to clients requiring this type of control.

Clipsal C-Bus is suitable for a wide range of applications.

- → Commercial Lighting Control for cost and energy saving
- → Mood Lighting in Restaurants and Retail Outlets to create a relaxed ambiance
- → Standalone Room Control for Conference Rooms & Home Theatres
- → Residential Home Control for security, lighting, comfort & convenience

C-Bus Network Design Considerations

- Up to 1000m of C-Bus Cat. 5 UTP cable may be connected to a single C-Bus network
- Up to 100 C-Bus units may be connected to a single C-Bus network
- Where more than 1km and/or 100 standard C-Bus units are required, two or more networks can be created and linked with C-Bus Network Bridge and/or C-Bus Ethernet Interface Units
- Maximum number of networks in one installation is 255 (this limitation does not apply if a C-Bus Ethernet interface is utilised, the system size is then limited to IP addressing only)
- Maximum number of networks connected in series to the local network via Network Bridges is seven (i.e. using six network bridges)
- Each standard C-Bus unit requires 18mA @ 36V d.c. to operate correctly. Some C-Bus units, for example 5500PC, require 32mA. Some C-Bus units, for example L5508DIA, are self-powering and do not sink current from the 36V d.c. C-Bus network
- More than one C-Bus power supply can be connected to a C-Bus network to provide sufficient power to the C-Bus units. The C-Bus power supplies will share the load evenly. Maximum total power supply allowed is 2,000mA (2A)
- Any combination of power supply units is allowed as long as the total power available is 2,000mA or less
- Each C-Bus network requires only one network burden. This network burden is software selectable on C-Bus output units
- Each C-Bus network requires at least one system clock-generating unit (for data synchronisation)
- C-Bus power supply units may be connected to different phases
- Individual relay channels may be connected to different phases
- On L5508D1A and L5504D2A units the mains supply to the units power supply and the mains supply to the output channels must be on the same phase
- The isolation between the mains supply circuitry and the 36V d.c. C-Bus circuitry is greater than 3.75kV. This is achieved using double wound transformers and opto isolators. This means the C-Bus wiring, connections and circuitry can be considered extra low voltage
- C-Bus Cat. 5 UTP cable has mains rated sheathing, which means the C-Bus cable can be taken inside electrical distribution boards, provided segregation requirements of local wiring standards are met
- The following are control methods that provide a number of options when either manual or override control of electrical loads connected to a C-Bus network is required:
    - Manual toggle of output channels using the manual override buttons on output units
    - Remote ON/OFF override of a C-Bus network using standard 30 mechanism switches
    - Auto remote ON override of a C-Bus network using the C-Bus Network Monitor (5500NMA)
- All C-Bus output units consist of electronic components that may be damaged by surges, short circuits and over-voltages. All equipment should have over-current protection relevant to installed equipment and cable size and surge protection fitted.

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Wall Switches

Touch Screen Controllers

Occupancy Sensors

Environment Sensors

General Input Units

Handheld IR Remotes

DIN Rail Dimmers

DIN Rail Relays

Blind control relay

1 & 2 channel relay range

Extra Low Voltage Relay

Infrared Transmitters

Controllers

Network Support Devices

Gateways

Network analyser

Toolkit software

PICED software

OPC Server software

Schedule Plus

HomeGate software

Matrix Switcher

Amplifier power supply

Distribution unit

Amplifiers accessories

Input Units

Introduction to Input Units

C-Bus input units are intelligent devices which allow C-Bus to respond to real world actions or events and send programmable messages to the C-Bus Network. Examples of real world actions and events which can be interpreted by C-Bus input units are:

- The press of a switch
- Movement
- Light level changes
- Temperature changes
- Input via touch screen
- Input via Remote Control
- A specific time

C-Bus is able to interpret these real world actions and is programmed by the installer to create a response (or series of responses) based on this action in the real world via C-Bus Output Units. This real world C-Bus response could be, for example, to dim lights, operate air conditioning units, close blinds, switch on a TV or a combination of these actions.

A wide range of C-Bus input units are available to suit specific application requirements. C-Bus input units which are seen by the user, such as wall mounted switches, touch screens and scene controllers are available in various styles and colours to suit a wide range of interior designs.

The best just got better...

Introducing our new Saturn eDLT range

Tri-Colour LEDs

Black or White Grid Plate Options

Large Product Range

Enhanced Dynamic Labeling

Dual Action Buttons

Enhanced Installation Process

Scene Control

Language Support

Tools Page

Proximity Sensing

Mounting Plate

Standby Page

Configurable via Toolkit

Field Upgradeable Firmware

Colour LCD Screen

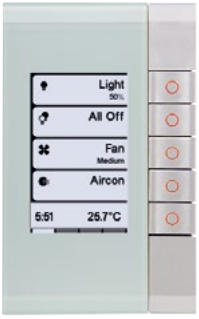
Four Pages of Control

Enhanced User Interface

Saturn eDLT input switches

The C-Bus enhanced Dynamic Labelling Technology (eDLT) wall switch builds on the success of the C-Bus DLT wall switch and takes it to a whole new level. With enhanced colour, control and functionality, the eDLT can now display C-Bus system information that previously could only be seen on a touch screen. Perfect for residential or commercial applications, put simply, the eDLT is world's most advanced wall switch.

It builds on the success of the C-Bus DLT switch by enhancing existing features and providing a huge range of new features. With its enhanced ability to control and monitor C-Bus devices, the eDLT offers a range of installer and user benefits previously available only on touch screen controllers.



5085EDLWOM

Technical Information

Voltage Requirements	15 – 36 Vdc @ 22 mA required for normal operation, drawn from the C-Bus network
Number of Units on a Network	50 (standard for every Unit)
Electrical Isolation	3.75 kV RMS from C-Bus to mains (provided externally
Control Functions	Lighting / C-Bus Fan Controller / Scene / Timer / MRA Control /
	HVAC (temperature display only) / C-Bus Shutter Relay /
	Time & Date Display / Measurement Application (display only)
Status Indicators	White, Red, Green, Blue, Orange, Yellow, Cyan, Magenta
Locator Option	Tri-colour LED indicators
Scene Control	Up to 4 pages which can contol 16 devices
Timers	1 sec – 18 hr, 1 sec intervals
Response Time	200 m sec or less
C-Bus Connection	C-Bus flylead. Length: 140mm Colour: Pink
Dimensions L x W x D	77 x 123 x 35 mm
Mounting	84mm
Weight	39-60gms
Operating Environment	Temp.:0° C to 45° C RH: 95%, noncondensing
Standards	AS/ NZS, CE, FCC, IEC
Colour Options	Black, White, Red, Green, Blue, Cyan, Magenta, Yellow

Catalogue Number	Description
5085EDLBPW	C-Bus enhanced DLT, Saturn wall switch. Black grid, Pure White glass fascia, white buttons.
5085EDLWPW	C-Bus enhanced DLT, Saturn wall switch. White grid, Pure White glass fascia, white buttons.
5085EDLBOM	C-Bus enhanced DLT, Saturn wall switch. Black grid, Ocean Mist glass fascia
5085EDLWOM	C-Bus enhanced DLT, Saturn wall switch. White grid, Ocean Mist glass fascia.
5085EDLBEB	C-Bus enhanced DLT, Saturn wall switch. Black grid, Espresso Black glass fascia, black buttons.
5085EDLWEB	C-Bus enhanced DLT, Saturn wall switch. White grid, Espresso Black glass fascia, black buttons.
5085EDLBCM	C-Bus enhanced DLT, Saturn wall switch. Black grid, Cream glass fascia.
5085EDLWCM	C-Bus enhanced DLT, Saturn wall switch. White grid, Cream glass fascia.
5085EDLBSS	C-Bus enhanced DLT, Saturn wall switch. Black grid, Stainless Steel glass fascia, white buttons.
5085EDLWSS	C-Bus enhanced DLT, Saturn wall switch. White grid, Stainless Steel glass fascia, white buttons.
5085EDLBHB	C-Bus enhanced DLT, Saturn wall switch. Black grid, Horizon Black glass fascia, white buttons.
5085EDLWHB	C-Bus enhanced DLT, Saturn wall switch. White grid, Horizon Black glass fascia, white buttons.
5055EDLWE	C-Bus enhanced DLT, Neo wall switch. White fascia, white buttons.
5055EDLBK*	C-Bus enhanced DLT, Neo wall switch. Black fascia, black buttons.
5055EDLGB	C-Bus enhanced DLT, Neo wall switch. Battleship Grey fascia, brushed aluminium cover.
5085EDLBBR*	C-Bus enhanced DLT, Saturn wall switch. Black grid, Brown glass fascia, white buttons.
5085EDLWBR*	C-Bus enhanced DLT, Saturn wall switch. White grid, Brown glass fascia, white buttons.

** Not stocked, expect longer delivery times*

Accessories	Description
5050C8*	C-Bus enhanced DLT, Neo style outer cover; brushed aluminium (includes proximity sensor loop).
5000CBF	C-Bus Fly-lead terminal
5000MP	C-Bus enhanced DLT Mounting Plate

** Not stocked, expect longer delivery times*

Product Features

- Magnetic latching onto custom mounting plate with screw-in option
- Proximity sensing for wake up and Control functions
- Up to four pages with control of up to 16 devices,
- Native support for Audio
- Comprehensive tools page for minor device changes and device information
- C-Bus Toolkit programming enhancements
- Support for multiple languages
- Field upgradeable firmware
- Enhanced control of a C-Bus system using a wall switch with Dynamic Labelling Technology
- Quick and easy installation and commissioning
- Enhanced user experience
- Styles and colours to suit any décor.

Functional Aesthetic

- Five buttons with tri-colour LED indicators
- Backlit colour LCD screen with support for background and foreground colours
- Status feedback option by coloured LED indicators and screen colours
- Dual action buttons provide intuitive control with a left/ right rocking action

Dynamic labelling technology, Saturn series

The Saturn series dynamic labelling technology switches are learn enabled surface switches designed to control lighting and other electrical services connected to a C-Bus network. The display found on the DLT switch, supports multi language text and user defined bitmaps, such as sliders and bar graphs. The LCD display incorporates back lighting that can be enabled for night operation. In addition, the DLT switch features a page scroll button that permits the user to navigate between pages, to access all control options.

Key Input units are fully programmable and may be configured as toggle, dimmer, timer or scene control type functions. With C-Bus switches it is possible to realise multi-way, multi-function switching or dimming control.

5085DL680

Technical Information

Voltage Requirements	15 – 36 Vdc @ 22 mA required for normal operation, drawn from the C-Bus network
Number of Units on a Network	Use the C-Bus Calculator, a software utility, to determine the total network current load
Electrical Isolation	3.75 kV RMS from C-Bus to power (provided externally)
Control Functions	Load switching, dimming, timing, scene control
Status Indicators	Blue, one dimmable LED per button
Backlight	White, dimmable, user configurable
Locator Option	User-configurable, adjustable blue LED for locating the unit in darkness, with "ignore first button press" option
Scene Control	4 scenes per keypad, 10 addresses per scene
Timers	1 sec – 18 hr, 1 second intervals
Screen	64 x 128 pixels LCD
Response Time	200 m sec or less
C-Bus Connection	One terminal block to accommodate 24 – 16 AWG (0.2 – 1.31 mm^2), CAT 5 UTP cable required
Dimensions	116 mm (L) x 76 mm (W) x 32 mm (D)
Mounting	Standard plaster (mud) ring or wall box (not provided), minimum internal width 52 mm Centres: 84 mm
Weight	3.35 oz (95 g)
Operating Environment	Temp.: 32°F to 113°F (0°C to 45°C) RH: 95%, noncondensing
Standards	UL: Listed 916 Energy Management Equipment CSA 22.2 Spec 205 Signal FCC: Part 15.101, Class B Digital Device EN61000-4-2 Immunity to ESD
Color Plate Colors	Saturn Style: Pure White, White, Cream, Black, Mocha, Stainless Steel

Catalogue Number	Description
E5084DL	4 Gang Saturn DLT square
5085DL	5 Gang Saturn DLT rectangle
Cover Selection	(GF) White, (380) Cream, (680) Black, (780) brown, (PW) Pure White

** Not stocked, expect longer delivery times*

Accessories	Description
5084DF	4 Gang Saturn DLT facia square
Cover Selection	(GF) White, (38) Cream, (68) Black, (78) Mid Brown, (PW) Pure White
5085DF	5 Gang Saturn DLT facia rectangle
Cover Selection	(GF) White, (30) Cream, (60) Black, (780) Mid Brown, (PW) Pure White
5085DLLF	5 Button Saturn without Facia rectangle

Product Features

- Available with 4 or 5 buttons
- Features blue light indicator with night light function
- Supports text labels and user defined bitmaps
- Ignore first press option
- Fallback to page 1 and 2 option
- Programmable using learn mode or via the C-Bus configuration software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power

Functional Aesthetics

- 64 x 128 pixel LCD screen with a white backlight
- Editable LCD labels, available for each button or control group, can display text, symbols and graphics
- Dynamic graphic displays, such as bar graphs, can be enabled or disabled
- Bitmaps can be downloaded for each group address or scene
- Available in Glass, Pure White, Cream, Black & Mid Brown colour fascias

Saturn input switches

The Saturn series key Input units are learn enabled surface switches designed to control lighting and other electrical services connected to a C-Bus network.

Suitable for exclusive interiors. The round silver finish push buttons feature a dual coloured light indicator, providing a visual indication of the switch state.

Key Input units are fully programmable and may be configured as toggle, dimmer, timer or scene control type functions. With C-Bus switches it is possible to realise multi-way, multi-function switching or dimming control.

5084NLGF

Technical Information

Voltage Requirements	15 – 36 Vdc @ 22 mA required for normal operation, drawn from the C-Bus network
Number of Units on a Network	50 (standard for every Unit)
Electrical Isolation	3.75 kV RMS from C-Bus to mains (provided externally
Control Functions	Lighting / C-Bus Fan Controller / Scene / Timer / MRA Control /
	HVAC (temperature display only) / C-Bus Shutter Relay /
	Time & Date Display / Measurement Application (display only)
Status Indicators	White, Red, Green, Blue, Orange, Yellow, Cyan, Magenta
Locator Option	Tri-colour LED indicators
Timers	1 sec – 18 hr, 1 sec intervals
Response Time	200 m sec or less
C-Bus Connection	C-Bus flylead. Length: 140mm Colour: Pink
Dimensions L x W x D	77 x 123 x 35 mm
Mounting	84mm
Weight	39-60gms
Operating Environment	Temp.:0° C to 45° RH: 95%, noncondensing
Standards	AS/ NZS, CE, FCC, IEC
Colour Options	Black, White, Red, Green, Blue, Cyan, Magenta, Yellow

Catalogue Number	Description
E5082NL	2 Gang Saturn input square
E5084NL	4 Gang Saturn input square
E5086NL	6 Gang Saturn input square
Cover Selection:	(GF) White, (380) Cream, (680) Black, (780) Mid-Brown
5082NL	2 Gang Saturn input rectangle
5084NL	4 Gang Saturn input rectangle
5086NL	6 Gang Saturn input rectangle
Cover Selection:	(GF) White, (PW) Pure White, (380) Cream, (680) Black, (780) Mid-Brown* (J8O) Stainless Steel

** Not stocked, expect longer delivery times*

Accessories	Description
5080LC	Pre-labelled Button Caps
E5082Fxx	2 Gang Saturn Facia Square
E5084Fxx	4 Gang Saturn Facia Square
E5086Fxx	6 Gang Saturn Facia Square
5082Fxx	2 Gang Saturn Facia Rectangle
5084Fxx	4 Gang Saturn Facia Rectangle
5086Fxx	6 Gang Saturn Facia Rectangle

Note xx: Mid Brown (70), Cream (30), White (GF), Pure White (PW), Black (60)

Product Features

- Features bi-colour light indicator with night light
- Programmable using learn mode or via the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- Features, 60.3mm mounting Centres
- Available in glass finish with white, black, cream or mid-brown background

Functional Aesthetics

- Distinctively designed transparent impact resistant glass cover plate with silver buttons that can glow blue or orange
- Clean-lined keypads are wall mounted without external fittings
- Low-profile keypad extends only 0.5 in. Out from the wall
- Colours are easily modified to suit personal taste or the décor
- Optional button covers with labels, enabling quick identification of lighting scenes or controlled devices

Black & white touch screen

The Black and White touch screen builds on the success of the Monochrome touch screen, with many enhancements made in this innovative product.

Designed to be quicker, easier and more flexible to install and commission, the new unit has significant enhancements to its predecessor. Compatible with Version 4 of Clipsal's Windows® based drag and drop programming software (PICED), commissioning is now possible through a standard USB port located underneath the fascia that can be utilised as a PC interface. A separate RS-232 port is included within the logic versions to allow integration to third party devices.

The touch screen requires a custom wall box, which is supplied separately but does not require an external power supply.

5080CT26

BS5000CT2

Technical Information

Control Functions	Load switching & dimming
	Scene control
	Logic (Logic engine versions only)
	Scheduling
	Screen Type
	Resolution
Screen Size viewing area	100mm x 75mm (119mm Diagonal)
Real Time Clock	365 day
Backlighting	Yes, programmable
Network Burden	Software selectable
System Clock	Software selectable
C-Bus Connection	Screw terminals
Programming Port	USB Type B
Surround Colours	Saturn, Neo, Stainless Steel, Plastic
Operating Temperature Range	10°C to 45°C
Operating Humidity Range	10 – 95% RH
Maximum number of controller loads	255 Group Addresses on each of the 10 C-Bus Applications
Maximum number of C-Touch Units on a single C-Bus Network	10
Third Party interface	RS-232 port (supported by Logic Engine versions only)

Catalogue Number	Description
5080CT2	Black & White touch screen
5080CTL2	Black & White touch screen Logic Saturn

Accessories

Accessories	Description
5000CT2WB	Black & White touch screen Wall Box
5000CT2RS232	Third Party Interface RS232 Lead
5080CT2F	Saturn glass fascia
Standard Covers Selection	(GF) White, (PW) Pure White, 3) Cream, (6)Black*, (7) Mid-Brown**
Glass Fascia Cover Selection	(GF) White, (3) Cream, (6) Black, (7) Mid-Brown**

** Only available in with Logic models*
*** Not stocked, expect longer delivery times*

Product Features

- Larger screen than monochrome model with enhanced contrast and superior backlighting
- Compatible with Version 4 of Clipsal's Windows® based drag and drop programming software (PICED)
- Available with or without C-Bus Logic Engine features
- A separate RS-232 port is included on the rear of the unit for third party device integration (supported by Logic Engine versions only)
- Programmed via a standard USB port on the unit
- USB programming port accessible from the front of the unit
- Does not require additional power supply

Functional Aesthetics

- Screen size of 100 x 75 mm
- 320 x 240 pixels, back light touch screen
- Available in multiple fascias

Spectrum colour touch screens

The C-Bus Spectrum Colour touch screens by Schneider Electric are a unified wall-mounted or desktop panel for controlling lighting systems and accessories with the touch of a finger.

Designed with versatility in mind, these sleek touch screens are easy to install, customise and use. Compact yet powerful, the touch screen has numerous configurations available, making it an attractive alternative to multiple single operation switches, ON/OFF toggles, dimmers and timers which can clutter up even the nicest wall. The C-Bus Spectrum Colour touch screens are available in the Saturn and Neo style cover plates with a wide assortment of colours to choose from.

Colour touch screen

Technical Information

AC input impedance	13 K ohms @ 1kHz
Display type	4.7 in. (119 mm) active black and white or colour LCD
Display resolution	320 x 240 pixels
Display luminance	120 cd/m²
Viewing angle	Left, right: 45°; up: 50°; down: 30°
Backlight type	White LED
Touch surface durability	1 million presses (typical)
Maximum number of controlled loads	255 group addresses on each of the 10 applications
Third party interface	RS-232 port
Programming port	USB type B (front of unit, behind cover plate)
C-Bus supply voltage (required for normal operation. Does not provide current to the C-Bus network.)	Spectrum: 15 to 36 Vdc @ 72 mA
Network clock	Software selectable
Network burden	Software selectable
Processor	ARM7TDMI, 40MHz
Warm up time	<10 seconds
Operating temperature	32° F to 113° F (0° C to 45° C)
Operating humidity	10% to 95% RH

Catalogue Number	Description
C5080CT2xx	Spectrum touch screen without Logic Engine
C5080CTL2xx	Spectrum touch screen with Logic Engine
Cover Selection (x)	(GF) White, (3) Cream, (6)Black, (7) Mid-Brown*, (PW) Pure White, (28) Brush Silver, (GB) Grey, (WE) White,

** Not stocked, expect longer delivery times*

Accessories	Description
5000CT2WB	Wall box for Spectrum touch screen
5080CT2Fxx	Replacement Cover Plate, Saturn style
5000CT2FSS	Replacement Cover Plate, Stainless Steel

Note: xx = colour code (GB – Brushed Aluminum and Slate, WE – White, BK – Black, CM – Cream, BR – Mocha**, PW – Pure White**) *Neo only **Saturn only*

Product Features

- Multiple control screens can include multi-point switching and dimming, master ON/OFF switching, schedules and scenes from a menu driven interface
- Includes a “wake feature” proximity sensor that turns on the backlight when activated by motion within the proximity range.
- Astronomical clock with full scheduling and holidays
- Full feature logic engine provides ability to create custom controls and integrate 3rd party devices
- Locator option to help users find the screen in dim light
- Built-in infrared receiver with remote control
- RS-232 port for third party device integration
- USB programming port accessible from the front of the unit

Functional Aesthetics

- Clean-lined low-profile touch screen can be wall-mounted without external fittings
- Display and controls can be configured with symbols, images, clocks and time and text in multiple languages
- Area plans and other scenes can be graphically depicted

Colour touch screen

The C-Bus Colour touch screen is a unified panel for controlling lighting systems and accessories with the touch of a finger.

The touch screen's sophisticated appearance reflects the underlying craftsmanship of its design. Among its many capabilities, this powerful PC-based system supports graphical depiction of area plans, monitoring of various C-Bus devices, scheduling of lighting and other loads, finger-tip control of preset scenes and operation from the touch screen or by remote controller.

Colour touch screen

Technical Information

Screen	
Type	LCD active matrix
Size	6.4 in. (diagonal)
Resolution	VGA, 640 x 480 pixels
Pixel Pitch	0.204 mm (H) x 0.202 mm (V)
Viewing Area	130.6 mm (H) x 97.0 mm (V)
Touch Overlay Type	Resistive membrane
Viewing Angle	Typical horizontal: 70° left and right/Typical vertical: 40° up, 70° down
Luminance	300 cd/m^2
Backlight	Cold cathode with light sensor for automatic backlight level control
Memory	256 MB compact Flash memory, pre-programmed with panel firmware, Backup: Lithium battery retains current date and time for 5 years.
Components and Connectors	
Front	Ethernet 10/100/RJ-45 terminal (hidden), Speaker (hidden), Infrared receiver, RS-232 via DB 9 terminal
Rear	C-Bus RJ-45 terminals (2) • Ethernet 10/100/RJ-45 terminal Composite video output via RCA terminal (75 ohm) • RS-232 via DB 9 terminal USB type A terminals (2) for future software support Remote infrared (IR) terminal (hardwired via a 3.5 mm mini-jack) External speaker/headphone terminal (3.5 mm mini-jack)
Overall Dimensions	246 mm (W) x 173 mm (H) x 72.5 mm (D)
Weight	1375 g (excluding cover plate)
Operating Environment	10° C to 30° C /RH: 95% non-condensing
Standards	UL Listed 916 Energy Management Equipment CSA 22.2 Spec. 205 Signal Equipment, FCC: Part 15.101, Class B Digital Device • EN61000-4-2 Immunity to ESD
Required Accessories: Power Supply (Sold Separately)	
Power Supply	6.9 in. (L) x 3.1 in. (W) x 1.8 in. (H)
Dimensions	175 mm (L) x 80 mm (W) x 45 mm (H)
Adaptor Box	5.2 in. (L) x 2 in. (W) x .4 in. (H)
Dimensions	113 mm (L) x 50 mm (W) x 11 mm (H)
Weight	4.2 lb (1.925 kg)

Power supply for colour touch screen (sold separately)

Order numbers for the Saturn style touch screens include the stock number and the code for the cover colour.

Catalogue Number	Description
5080CTC3x	Colour touch screen 6.4" V3
5080CTCFx	Colour touch screen 6.4" FasciaV3
Cover Selection (x)	(PW) Pure White, (GF) White, (3) Cream, (6) Black

Accessories	Description
5000CTCNA	Nail Bracket Colour 6.4" touch screen
5000CTCWB	Wall Box 6.4" touch screen
5000CTCPS/2B	Power Supply 6.4" touch screen
5100P24/2700AU	Power Supply 65W 24VDC 2.7A AU Plug

** Required for every colour touch screen installation.*
*** Colour touch screen must be mounted with one of these options*

Product Features

- Ability to configure controls including scenes, schedules, state changes and graphic animation
- Ability to customise buttons, sliders, photos and drawings
- Audio tools support use of custom WAV files for audible feedback and voice prompts
- Internal amplified speaker has volume control and external speaker terminal
- Built-in RJ-45 Ethernet and C-Bus network, RS-232 and USB terminals
- Infrared receiver for remote control and infrared input for accessories
- Controls can be password protected at multiple levels
- Astronomical and real time clocks

Functional Aesthetics

- Touch sensitive 6.4 inch (640 x 480) colour LCD panel
- Light sensor for automatic backlight control
- Flush wall-mount design
- Cover plates available in Neo and Saturn styles
- Five colour schemes available, complementing any décor

Indoor motion sensor, 90 degrees

The indoor occupancy sensors are surface mounted, Input units used to detect movement by sensing natural thermal radiation emitted from any moving body. When movement is detected, the unit issues commands over the C-Bus network to control C-Bus output devices. In addition, the unit features a light level sensor to automatically switch lighting on, under low light conditions.

The sensor has a detection field that covers an area up to 8.5 metres from the unit, with a field of view of 90 degrees. The unit features a 'lens less' design with 12 overlapping zones forming a continuous detection field, therefore resulting in uniform sensitivity across the whole of the detection field, with no dead zones. This features allows the sensor to be ceiling or wall mounted.

The sensor features learn mode, which permits the unit to be programmed without the need for a PC connected to the system.

The sensor features an environmental rating of IP44 and is suitable for indoor applications. The sensor is designed for surface mount applications and located in the corner of the room where detection is required.

5751LWE

Technical Information

Base, Mounting Centres	5751LWE - 84mm
	E5751L - 60.3mm
C-Bus Supply Voltage	15-36VDC @ 18mA
Timer Range	Programmable, 1 sec - 18 hrs
Timer Resolution	1 sec
Light Threshold Adjustment	User adjustable, 1 Lux to full sunlight
Mounting Height	2.4m nominal, (2.0 to 3.2m)
Field of View	90 degrees
Detection Area	6m x 6m
Maximum Number of Units on a Single C-Bus Network	100
Status Indicator	Walk test LED
Warm Up Time	5 seconds
IP Rating	IP44
C-Bus Termination	Fly lead x 2
Operating Temperature Range	0°C to 45°C
Operating Humidity Range	0 - 95% RH, non-condensing

Catalogue Number	Description
5751LWE	PIR indoor occupancy sensor-learn

Product Features

- Programmable by learn mode or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Programmable walk test LED for commissioning
- User adjustable light level threshold, from low light (1 Lux) to full sunlight
- Dual element detectors to minimise false triggering.
- Optical bandpass filter minimises unwanted heat sources from triggering the circuitry

Indoor motion sensor, 360 degrees

The indoor occupancy sensors are flush mounted, Input units used to detect movement by sensing natural thermal radiation emitted from any moving body. When movement is detected, the unit issues commands over the C-Bus network to control C-Bus output devices. In addition, the unit features a light level sensor to automatically switch lighting on, under low light conditions.

The sensor has a detection field that covers an elliptical area up to 12m x 14m, with a field of view of 360 degrees. The unit features a multi-segmented Fresnel lens design, for superior detection capability.

The sensor features learn mode, which permits the unit to be programmed without the need for a PC connected to the system.

5753L

Technical Information

C-Bus Supply Voltage	15-36VDC @ 18mA
Timer Range	Programmable, 1 sec - 18 hrs
Timer Resolution	1 sec
Light Threshold Adjustment	User adjustable, 1 Lux to full sunlight
Mounting Height	2.4m nominal, (2.0 to 3.2m)
Field of View	360 degrees
Detection Area	12m x 14m
Maximum Number of Units on a Single C-Bus Network	100
Status Indicator	Walk test LED
Warm Up Time	5 seconds
IP Rating	IP44
C-Bus Termination	Screw terminals
Operating Temperature Range	0˚C to 45˚C
Operating Humidity Range	0 - 95% RH, non-condensing

Catalogue Number	Description
5753L	Indoor occupancy sensor, 360 degrees

Product Features

- Programmable by learn mode or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Programmable walk test LED for commissioning
- User adjustable light level threshold, from low light (1 Lux) to full sunlight
- Dual element detectors to minimise false triggering
- Optical bandpass filter minimises unwanted heat sources from triggering the circuitry
- Designed for flush mount applications, protrudes only 8mm

Indoor multi-sensor, 360 degrees

The indoor occupancy sensors are ceiling mounted, Input units used to detect movement by sensing natural thermal radiation emitted from any moving body. When movement is detected, the unit issues commands over the C-Bus network to control C-Bus output devices. In addition, the unit features a light level sensor to automatically switch lighting on, under low light conditions.

The sensor has a detection field that covers an area up to 8.5 metres from the unit, with a field of view of 90 degrees. The unit features a 'lens less' design with 12 overlapping zones forming a continuous detection field, therefore resulting in uniform sensitivity across the whole of the detection field, with no dead zones. This feature allows the sensor to be ceiling or wall mounted.

The sensor features learn mode, which permits the unit to be programmed without the need for a PC connected to the system.

5753PEIRL

Technical Information

C-Bus Supply Voltage	15-36VDC @ 18mA
Timer Range	Programmable, 1 sec - 18 hrs
Timer Resolution	1 sec
Light Threshold Adjustment	Programmable, 1 Lux to full sunlight
Light Regulation	40 - 3000 Lux
Mounting Height	2.4m nominal, (2.0 to 3.2m)
Field of View	360 degrees
Detection Area	Programmable, up to 12m x 8.5m
IR Receiver	Remote enabled/disable control
Maximum Number of Units on a Single C-Bus Network	100
Status Indicator	Walk test and IR receive LED
Warm Up Time	5 seconds
IP Rating	IP44
C-Bus Termination	Screw terminals
Operating Temperature Range	0°C to 45°C
Operating Humidity Range	0 - 95% RH, non-condensing

Catalogue Number	Description
5753PEIRL	PIR light level IR combination sensor

Product Features

- Programmable by learn mode or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Programmable walk test LED for commissioning
- User adjustable light level threshold, from low light (1 Lux) to full sunlight
- Dual element detectors to minimise false triggering
- Optical bandpass filter minimises unwanted heat sources from triggering the circuitry

Outdoor motion sensor, 110 degrees

The outdoor occupancy sensors are surface mounted, Input units used to detect movement by sensing natural thermal radiation emitted from any moving body. When movement is detected, the unit issues commands over the C-Bus network to control C-Bus output devices. In addition, the unit features a light level sensor to automatically switch lighting on, under low light conditions.

The sensor has a detection field that covers an area up to 18 metres from the unit, with a field of view of 110 degrees. Advanced microprocessor circuit technology and a flat multi-segmented lens, divide the field of view into 28 zones located at four different levels. This ensures immediate reaction of body movement and reduces the number of 'dead zones' that can be penetrated.

The sensor features learn mode, which permits the unit to be programmed without the need for a PC connected to the system.

E5750WPL

Technical Information

Base, Mounting Centres	60.3mm
C-Bus Supply Voltage	15-36VDC @ 18mA
Timer Range	Programmable, 1 sec - 18 hrs
Timer Resolution	1 sec
Light Threshold Adjustment	User adjustable, 1 Lux to full sunlight
Mounting Height	2.4m nominal, (2.0 to 3.2m)
Field of View	110 degrees
Detection Area	18m radius x 110 degrees
Lens Type	Frensel, multi-segmented
Maximum Number of Units on a Single C-Bus Network	100
Status Indicator	Walk test LED
Warm Up Time	5 seconds
C-Bus Termination	Fly lead x 2
IP Rating	IP66

Catalogue Number	Description
E5750WPL	110 Degree weatherproof outdoor sensor

Product Features

- Programmable by learn mode or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Programmable walk test LED for commissioning
- User adjustable light level threshold, from low light (1 Lux) to full sunlight
- Dual element detectors to minimise false triggering
- Optical bandpass filter minimises unwanted heat sources from triggering the circuitry

Surface mounted detector

5754ODPEIR

Ceiling Mounted Passive Infrared (PIR), Software programmable Occupancy Sensors accurately detect occupancy and automatically switches lighting on and off as needed. This low profile sensor is ceiling mounted for superior motion detection.

PIR: 360 degree field of view and up to 1000 square feet (92.90 sq. meters) of coverage area.

Ceiling mount sensors also incorporate an integral light level sensor to prevent lighting from switching On when sufficient ambient light is present, such as is commonly found in windowed areas.

Installation and configuration is simple. The sensor readily mounts to drop ceilings and features software adjustments for setting sensitivity and time delay.

Technical Information

Supply voltage	15 - 36V d.c. supplied by C-Bus network. Does not supply power to the network.
Current (active)	15mA
Detection Area (PIR)	360° Passive infrared (PIR) 7.6m diameter at 2.7m height
Light level sensor range	0 to 2000 lux
Infrared remote range	10m when detector is mounted 2.7m above oor
Controls	Trimpot A: light level threshold adjustment
	Trimpot B: PIR motion sensitivity adjustment
Indicator LEDs	Red LED: light level maintenance is active
	Orange LED: assigned network group is active
	Blue LED: PIR movement is detected, programmable
Ambient operating temperature range	5° to 50° C
Ambient operating humidity range	10 to 90% RH (non-condensing)
Dimension	102 x 33 mm (internal dia 87mm)
Standards tested to	AS/NZS, IEC, RoHS

Catalogue Number	Description
5754ODPEIR	360° Occupancy and Light Level Detector with IR Receiver, Surface Mount
5754ODPE	360° Occupancy and Light Level Detector, Surface Mount

Product Features

- Mountable on solid surfaces as wood or masonry
- Extends only 33mm from the mounting surface
- Uses adjustable passive Infrared for motion detection
- Time delay ranges from 0 to 18hrs
- Light level sensor which ranges from 0 – 2000 lux
- Compatible with C-Bus hand held remotes (sold separately)
- Requires no connection to building power
- Programmed using C-Bus Toolkit software
- Light level threshold value is set in software
- Daylight harvesting to maintain a constant user-configured light level

C-Bus outdoor light-level sensor

The C-Bus light-level sensor measures ambient light levels and automatically issues ON/OFF or ramp commands over a C-Bus network to maintain outdoor lighting levels. Primarily designed for outdoor use, this light-level sensor is also suitable for indoor settings in which a water resistant casing is desirable.

Outdoor Light Level Sensor

Technical Information

Nominal Voltage Requirements	15 – 36 Vdc @ 18 mA, drawn from the C-Bus network
Field of View	180°
Light-Level Range	Reads: 2 – 278 footcandles (20 – 3000 lux) Controls: 5 – 148 footcandles (40 – 1600 lux)
C-Bus Connection	Screw-type input terminals accommodate 6 x 24 AWG cable (6 x 0.2 mm²) Connection requires CAT 5 data cable
Max. Units/Network	Based on the total network current load and available power
Conduit Openings	Sized for 20 mm and 25 mm conduit fittings
Dimensions	102 mm (L) x 102 mm (W) x 65 mm (D)
Weight	305 g
Mounting	Indoor or outdoor, wall or ceiling Indoor Height: At least 6.5 ft. (1.9 m) above floor
Operating Environment	Outdoor or indoor -22° F to 122° F (-30° C to 50° C) RH: 95%, noncondensing
Standards	FCC: Part 15.101, Class B Digital Device

Catalogue Number	Description
U5031PEWP	Outdoor Light-Level Sensor

Product Features

- Outdoor use, wall- and ceiling-mounted low-profile unit
- Can maintain a constant illumination level of 5 – 150 footcandles
- Control of up to two C-Bus group addresses
- Sensors receive data and power over a single C-Bus twisted-pair cable, so they do not require power packs or line-voltage connections
- 180° field of view

Light-level sensor

The light level sensors are surface mounted Input units used to measure ambient light levels and regulate lighting loads.

The sensor has a field of view of 180 degrees and is capable of measuring lighting levels in the range of 20 to 3000 lux and regulating lighting in the range of 40 to 1600 lux, which is suitable for most commercial applications.

The light level sensor may be used in conjunction with non-dimmable ballasts to bank switch luminairies or with dimmable electronic ballasts to regulate lighting levels continuously, within a programmed target range.

The unit features built in lag, to prevent rapid changes in output, due to changes in environmental conditions, such as cloud cover or rapid movement through the detection area.

E5031PE

Technical Information

C-Bus Supply Voltage	15-36VDC @ 18mA
Light Level (measure)	20 - 3000 lux
Light Level (regulate)	40 - 1600 lux
Field of View	180 degrees
Time Constant	Approx. 90 seconds
Mounting Height	2.4m nominal, (2.0 to 3.2m)
Field of View	180 degrees
Maximum Number of Units on a Single C-Bus Network	100
Status Indicator	Programmable
Warm Up Time	5 seconds
C-Bus Termination	Screw terminals
Standard Colours	White
Operating Temperature	0˚C to 45˚C
Operating Humidity	0 - 95% RH, non condensing

Catalogue Number	Description
E5031PE	Light level sensor, 40-1600 lux
5031PEWPGY	IP66 weatherproof series

Product Features

- Programmable using the C-Bus configuration software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Programmable target light level and margin
- Bank switching or light level regulation

Temperature sensor

The C-Bus Temperature Sensor monitors the surrounding temperature and can be used to control either heating or air-conditioning equipment in order to maintain a comfortable temperature.

The Temperature Sensor continuously monitors ambient temperatures in the range 0 to 50 ºC providing a comparison with the user defined Target temperature. Control instructions are then subsequently issued to output units on the C-Bus Network, controlling heating/cooling equipment as required.

E5031RDTSL

Technical Information

Supply voltage	15 - 36V d.c. supplied by C-Bus network. Does not supply power to the network.
Current (active)	18mA
Resolution	± 0.5 °C
Accuracy	± 1 °C
Operating Temperature	0 -50 °C
Minimum Dead Band	0.5 °C
Selectable Temperature offset	16 °C
Operation Modes	Commande On/ Off Mode - 5031TS, Information Broadcast Mode - 6031TS, Information to HVAC Mode - HVAC , Measurement Broadcast Mode – Measurement
Temperature Measurement Range	5031TS: 0 °C to 50 °C
	6031TS: 0 °C to 50 °C
	HVAC: 0 °C to 50 °C
Measurement Mode	Celcius: 0 °C to 50 °C
C-Bus connection	Screw connection 6 x 0.2mm²
Dimension	116 x 76 x 39.6
Standards tested to	AS/NZS, IEC, RoHS

Catalogue Number	Description
E5031RDTSL	C-Bus Temperature Sensor Unit

Product Features

- Used to measure and regulate either heating or cooling in the range 0–50 degrees celsius
- Digital sensor (doesn't require calibration in the field)
- Programmable target temperature and margin on installation
- Programmable set back temperature for when room is unoccupied
- Broadcast of temperature over C-Bus network
- Adjustable temperature broadcast interval
- Temperature offset capabilities
- Provides additional zone sensors for the C-Bus 4-Zone Thermostat
- Units draw 18mA from a C-Bus network

Surface mount light level detector

5754PE

The 5754PE light level detector is a C-Bus input unit that measures the ambient light level and converts the information.

Ambient light levels are compared to the user-defined target light level. Control messages are then sent to output units to alter the lighting levels as required.

The detector readily mounts on solid surfaces such as masonry or wood. A single twisted pair connection provides both the C-Bus network interface and power for the detector.nto messages that are sent across the C-Bus network.

Technical Information

Supply voltage	15 - 36V d.c. supplied by C-Bus network. Does not supply power to the network.
Current (active)	15mA
Light level sensor range	0 to 2000 lux
Controls	Trimpot A: light level threshold adjustment
	Trimpot B: PIR motion sensitivity adjustment
Indicator LEDs	Red LED: light level maintenance is active
	Orange LED: assigned network group is active
	Blue LED: PIR movement is detected, programmable
Ambient operating temperature range	5° to 50° C
Ambient operating humidity range	10 to 90% RH (non-condensing)
Dimension	102 x 33 mm
Mounting Hole Spacing	66 mm
Standards tested to	AS/NZS, IEC, RoHS

Catalogue Number	Description
5754PE	360° Occupancy and Light Level Detector, Surface Mount

Product Features

- Quickly mounts on solid surfaces such as masonry or wood
- Extends only 33mm from the mounting surface
- Software set Light level threshold value
- Programmed using C-Bus Toolkit software
- Powered from the C-Bus network. No external power required
- LED indicators show when light level monitoring is active and when the assigned C-Bus group is active
- Daisy chain wiring allows the unit to be placed anywhere in the network
- Selectable group address for the light level margin
- Software provides selectable group addressing for the light level target
- Selectable group address for High/Low lux levels
- Selectable block for which the High/Low thresholds are controlled by a group
- Bank switching of lighting levels based upon the Light Level Set Point
- Daylight harvesting to maintain a constant user configured light level

Digital temperature sensor

The C-Bus Digital Temperature Sensor Input Unit accommodates digital temperature sensors that are capable of measuring temperature and reporting the readings to a C-Bus network.

The input unit is rated at 0°C to 65°C ambient operating temperature. This means it can be installed into harsh temperature environments such as in ceiling spaces and wall cavities. The input unit is housed in a small enclosure that makes it suitable for installation into a wall box or similar enclosure. The input unit includes 4 LED indicators that will be permanently lit to indicate a correctly connected sensor.

5104DTSI

Technical Information

Supply voltage	15 - 36V d.c. supplied by C-Bus network. Does not supply power to the network.
Current (active)	18 mA. Provides power for the sensors. Does not provide power to the C-Bus network
C-Bus AC Impedance	60 K at 1 KHz
Mounting location	Service enclosure or wall box. Indoor use only.
Wired connections	C-Bus: 2-terminal screw connector
	Sensors: 4 pairs of push-type connectors
Temperature measurement range	-40°C - 100°C
Temperature measurement Resolution	0.1°C
Temperature measurement Accuracy	-10°C to 80°C: ±0.5°C
	-40°C to -10°C: ±2°C
	80°C to 100°C: ±2°C
Operating temperature range	0° to 65° C
Operating humidity range	10 to 90% RH (non-condensing)
Dimension	50 x 55 x 20 mm
Required Accessories (Sold Separately)	
Device type	Digital temperature sensor, 3 tip styles, integral cable
Measurement range	-40°C - 100°C
Maximum number per input unit	4, in any combination of types, 1 per channel. Empty channels are permitted.
Application	Indoor or outdoor. Suitable for harsh environments
Cable	2-conductor, insulated, 2m long. Maximum extension length is 25m per sensor.
Weight	Flat tip type 37g
	Tube tip type 37g
	Point tip type 36g
Probe tip material	314 grade stainless steel
Dimensions	Flat tip type 20 x 7mm
	Tube tip type 30 x 6mm
	Point tip type 12 x 6mm

Catalogue Number	Description
5104DTSI	C-Bus Digital Temperature Sensor Input Unit, 4 channel (Sensors must be purchased separately)

Accessories	Description
5100DTST	Temperature sensor, TUBE, Cable length 2m
5100DTSF	Temperature sensor, FLAT, Cable length 2m
5100DTSP	Temperature sensor, POINT, Cable length 2m

Product Features

- 4-channel Digital Temperature Sensor Input Unit
- 3 temperature sensor types: o FLAT tip, TUBE tip, POINT tip.
- Temperature sensor cable is 2-conductor, insulated and 2m in length
- Temperature sensors are powered by the Input Unit
- Maximum extension length is 25m per temperature sensor
- Temperature sensor tip material – 314 grade stainless steel
- Input Unit contains LED indicators for temperature sensor connection status
- Input Unit detects reverse connection, short or open circuit and failure of connected temperature sensors
- Measurement range from -40°C to 100°C
- Temperature measurement resolution of 0.1°C
- Operating temperature range of 0°C to 65°C
- Configurable frequency of temperature broadcast on C-Bus
- Temperature offset feature within programming
- Operates on C-Bus Measurement or C-Bus HVAC applications
- Unit draws 18mA from a C-Bus network

Occupancy controller with C-Bus connection option

The Occupancy Controller from Schneider Electric has two lighting control relays, a motion sensor power supply, two auxiliary input switches, two timers (one per relay) and two relay default mode switches associated with each relay. The occupancy controller includes a C-Bus interface allowing for seamless integration into any C-Bus network. The occupancy controller provides a simple all-in-one solution for dimming, on-off operation and powering of sensors. It operates over a wide range of input voltages (100 – 277 Vac) and is designed for above-ceiling installation. The occupancy controller is ideal for in-room occupancy control applications such as classrooms, open-office space, executive offices and conference rooms. The controller may be configured for C-Bus connectivity or in a standalone operation mode using the standalone jumper.

The 5752PP Series Occupancy Controller

Technical Information

Power supply voltage	100 – 277 Vac
Power supply frequency	50 Hz
Motion sensor power supply	Power output 280 mA (140 mA per detector connection)
Power supply rating	24 Vdc SELV/Class 2
Nominal C-Bus Voltage Requirements (if connected to C-Bus network)	Draws 15 – 36 Vdc SELV/Class 2 @ 25 mA from the C-Bus network, enabling configuration.
Max units per network	80
C-Bus AC Impedance	80 KΩ @ 1 KHz
Relay rating	Resistive: 16A at 277 Vac, Incandescent/Tungsten: 12A at 277 Vac Fluorescent (UL) Standard ballast: 10 A at 277 Vac (inductive 0.4 – 0.5 pf)
Ballast control power supply (5752PP/2R/2D)	Analog: 1 – 10 Vdc 200 mA, DSI: 0 – 12 Vdc 200 mA, DALI: 0 – 12 Vdc 250 mA
Maximum ballasts per control (57PP/2R/2D)	100 for DALI or DSI. 50 for 0 – 10 V analog
Connections (Screw-type Phoenix-style connectors)	Input: 14 – 12 AWG (2.5 – 4 mm²), Relay output: 14 – 12 AWG (2.5 – 4 mm²) Motion detector: 3-pin, 1 per relay present, Auxiliary input: 2-pin, 1 per relay present, C-Bus: 4-pin
Maximum operating temp.	122° F (50 ° C) approved for use in a plenum
Operating humidity	10 to 90% RH (non-condensing)
Dimensions (H x W x D)	8.0 x 7.87 x 2.36 in. (203 x 200 x 60 mm)
Standards (Title)	CSA C22.2 No. 205 (Signal Equipment), UL916 (Energy Management Equipment) FCC Part 15 (Class B Digital Device for Home or Office Use)

Catalogue Number	Description
5752PP/1R	Occupancy controller with 1 relay rated at 16 amps each
5752PP/2R	Occupancy Controller with 2 relays rated at 16 amps each
5752PP/2R/2D	Occupancy Controller with 2 relays rated at 16 amps each and 2 ballast control outputs: DSI, DALI, or 0-10 V*

**Check with your local C-Bus or Schneider Electric sales representative for availability of units that can control electronic ballasts.*

Compatible Sensors

Sensor	Description
752/CP	Ceiling Mount 360°, PIR Motion Detector
752/WP	Wall Mount 110°, PIR Motion Detector
752/CU	Ceiling Mount 360°, Ultrasonic Motion Detector
752/CD	Ceiling Mount 360°, PIR/Ultrasonic Motion Detector

Product Features

- Input voltage range: 100 – 277 Vac 50/60 Hz
- One motion detector input terminal for each relay
- 24 Vdc power supply for the motion detectors
- One auxiliary input switch terminal and timer for each relay
- One relay fail-safe mode switch for each relay
- Remote override on/off capability
- Class 1 and Class 2 voltage isolation
- C-Bus connectivity option

Thermostats

Enjoy the perfect temperature all year round with C-Bus Thermostats. C-Bus Thermostats are programmable and will control heating, ventilation and air conditioning (HVAC) equipment.

The Thermostat range allows the user to manually set the mode of operation (heating, cooling and ventilation) as well as control fan speed and setback or economy modes. The easy to use operater interface includes an integral LCD to display the current temperature and mode of operation. Thermostat is compatible with equipment that supports SELV contact (RWG) control.

Wall mounted, Single Zone Thermostats include support for control of HVAC units via C-Bus or the internal HVAC relays. They also allow the user to manuallyu set the temperature and mode of operation (heating, cooling or ventilation). The easy to use operator interface includes fan speed control, set back or economy mode and an integral LCD to display the current temperature and mode of operation.

Programmable 4 Zone Thermostats include on-board 7-day HVAC time scheduling (user programmable) manual fan speed control, set back mode and an easy to use interface, comprising of an LCD, manual control buttons and a rotating dial with an integral press switch. From the unit, the user can manually adjust the temperature set point, the mode of operation (heating, cooling, ventilation) and time schedules.

Single Zone

4 Zone

Technical Information

C-Bus Supply Voltage	15 - 36VDC, 40mA
	Does not supply current to the C-Bus network
C-Bus AC Input Impedance	50kW @ 1kHz
Relays (5070THPR model)	Each relay rated at 2A @ 24V ac 3750V isolation between terminals and C-Bus
	C-Bus Connection
Temperature Sensor Accuracy	+/- 0.5°C
	C-Bus System Clock
	Network Burden
Operating Temperature	-10 to 50°C
Operating Humidity Range	10 to 95% R.H.

Catalogue Number	Description
5070THBRPGWE	Single Zone White
5070THBRBK	Single Zone Black
5070THBRSS	Single Zone Stainless Steel
5070THBPGWE	Single Zone no relays White
5070THBBK	Single Zone no relays Black
5070THBSS	Single Zone no relays Stainless Steel
5070THPRPGWE	4 Zone White
5070THPRBK	4 Zone Black
5070THPRSS	4 Zone Stainless Steel
5070THPPGWE	4 Zone no relays White
5070THPBK	4 Zone no relays Black
5070THPSS	4 Zone no relays Stainless Steel

Product Features

- Support for control of HVAC units via C-Bus or internal relays ('RWG' control)
- Control of up to four switched Zones for ducted systems plus the common zone (4 zone unit only)
- 7 day programmable HVAC schedules (4 zone unit only)
- Support for remote temperature sensing by other C-Bus devices
- Optional manual fan speed (for HVAC plant that supports variable fan speeds)
- Setback capability for reducing energy consumption.

General input unit

The 4 channel general Input units are DIN rail mounted units designed to measure digital, voltage, current loop and thermistor inputs and generate messages to the C-Bus network.

The unit is designed to broadcast the actual measured value to the C-Bus network, which in turn may be displayed on other C-Bus devices such as the touch screen, C-Gate or C-Lution. In addition, the unit may trigger a group address as a function of the input level, up to eight trigger points may be assigned to a single input channel.

The general input unit is designed to interface to third party products, such as light level sensors, temperature sensors, power, frequency, moisture, rate sensors and others. In this way, the general input may be used to extend the functionality of the C-Bus and its ability to integrate with other systems such as HVAC and power monitoring systems. The general input also generates 24VDC to power the external sensors.

The general Input units are available as passive models only, hence do not source current to the C-Bus network.

E5504GI

Technical Information

Supply Voltage	24VAC +/- 10% @ 500mA, power pack not supplied with the unit
Supply Frequency	50/60Hz
C-Bus Supply Voltage	15-36VDC @ 18mA
Auxiliary Output	24VDC @ 250mA
Voltage Inputs	0 - 1V, 0 - 5V, 0 - 10V and 0 - 20V
Current Inputs	0 - 20mA and 4 - 20mA
Impedance Inputs	0 - 500Ω, 0-1kΩ and 0-3kΩ
Digital Inputs	Yes
Broadcast Rate	2 to 1,024 seconds
Maximum Number of Units on a Single C-Bus Network	10
Status Indicators	Unit and C-Bus
A/D Conversion	8 - bit
Accuracy	0.50%
Warm Up Time	5 seconds
Network Clock	Software selectable
Network Burden	Software selectable
C-Bus Termination	2 x RJ45 Socket
Load Termination	2 x 1.5mm2 or 1 x 2.5mm2
Operating Temperature Range	0℃ to 45℃
Operating Humidity Range	0 - 95% RH, non-condensing

Catalogue Number	Description
E5504GI	4 channel general input module

Product Features

- Provides 4 channels of input, compatible with a range of third party sensor products
- Capable of threshold switching or broadcasting value onto the network
- Programmable via the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Designed to fit standard 35mm top hat DIN rail
- Designed to fit into standard electrical switchboards

Auxiliary input unit learn enabled

The auxiliary input unit is a DIN rail mounted unit that provides four isolated inputs for voltage free, mechanical switches to interface to the C-Bus network. The auxiliary input supports momentary and latching switch types.

The auxiliary input unit features learn mode, Channel, C-Bus and unit status indicators.

The auxiliary input unit may be programmed with the same functions as a key input, including toggle, timer, dimmer and scene control.

L5504AUX

Technical Information

C-Bus Supply Voltage	15-36VDC @ 18mA
Switch Isolation	500V
Maximum Switch and Cable Impedance	1000Ω
Switch Open Voltage	5V
Switch Closed Current	0.4mA
Maximum Number of Units on a Single C-Bus Network	100
Status Indicators	Channel (4), Unit and C-Bus
Warm Up Time	5 seconds
C-Bus Termination	2 x RJ45 Sockets
Load Termination	2 x 1.5mm2 or 1 x 2.5mm2
Operating Temperature Range	0˚C to 45˚C
Operating Humidity Range	0 - 95% RH, non-condensing

Catalogue Number	Description
L5504AUX	4 channel auxiliary input unit

Product Features

- Provides 4 channels of input, compatible with voltage free mechanical switches
- Isolated inputs, up to 500V isolation
- Programmable by learn mode or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Designed to fit standard 35mm top hat DIN rail
- Designed to fit into standard electrical switchboards

Bus coupler, learn enabled

The bus couplers provide non-isolated inputs for voltage free, mechanical switches to interface to the C-Bus network. The bus couplers support momentary and latching switch types.

The bus coupler units may be programmed with the same functions as a key input, including toggle, timer, dimmer and scene control.

The four channel bus coupler provides support for 4 switches which are programmed to report the state of the switch. The bus couplers are small in size and volume and are designed to fit into any wallbox.

5104BCLWE

Technical Information

Catalogue number	5104BCL
C-Bus Supply Voltage	15-36VDC @ 18mA
Maximum Distance between Switch and Bus Coupler	1m
Number of Channels	4
LED Drive Output	0mA
Maximum Number of Units on a Single C-Bus Network	100
Status Indicators	Channel (4)
Warm Up Time	5 seconds
C-Bus Termination	Screw terminals
Load Termination	Push Terminals, 1 x 1.5mm2
Operating Temperature	0°C to 45°C
Operating Humidity	0 - 95% RH, non condensing

Catalogue Number	Description
5104BCLWE	Bus coupler auxiliary input

Product Features

- Provides 4 channels of input, compatible with voltage free mechanical switches
- Programmable by learn mode or using the C-Bus configuration software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Small in size and volume, designed to fit into any wallbox

C-Bus infrared (IR) receivers

5031NIRL

The Clipsal C-Bus Infrared Receivers are learned enabled, surface switches designed to control lighting and other electrical services connected to a C-Bus Network. These units feature push button switches and an infrared receiver on the same unit.

The Infrared Receivers are fully programmable and may be configured as toggle, dimmer, timer or scene control type functions. With C-Bus switches it is possible to realise multi-way, multi-function switching or dimming control.

For added convenience and flexibility, a 4-key and 12-key remote control unit is available to be used with the Infrared Receivers. The 12-key remote unit can control up to three Infrared Receivers.

The Infrared Receiver communicates with all other units and obtains power via a single twisted pair of connections to the C-Bus. In the event of C-Bus power failure, its non-volatile memory retains all programmed information relating to the unit's operating status.

Technical Information

Supply voltage	15 - 36V d.c. supplied by C-Bus network. Does not supply power to the network.
Current (active)	18 mA
Maximum Number of Units	100
Status Indicators	Programmable, Orange LEDs
Field of View (Remote Control)	+/- 45 degrees
Operating Distance Remote Control	4m (at 0 degrees)
Timer Range	1 sec to 18 hrs
Timer Resolution	1 sec
Dimmer Control	255 possible levels
Mounting Centres	60.3mm
Operating Temperature Range	0°C to 45°C
Operating Humidity Range	0 - 95% RH, non-condensing
Dimensions	Point tip type 12 x 6mm

Catalogue Number	Description
5031NIRL	4 Channel Infrared Receiver Rectangle
5034NIRL	4 Gang 4 Channel Infrared Receiver Rectangle
E5031NIRL	4 Channel Infrared Receiver Square
E5034NIRL	4 Gang 4 Channel Infrared Receiver Square

Product Features

- Available as IR receiver or IR receiver plus 4 key configuration.
- Programmable using learn mode or via the C-Bus configuration software.
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power.
- Switches may be assigned to banks A, B or C of remote control.
- C-Tick, CE (European Community) compliant.

C-Bus remote controllers

The C-Bus Infrared (IR) Remote Control provides hand held remote control operation of lighting and other loads. Designed to work in conjunction with C-Bus devices containing IR receivers, this convenient remote control can switch, dim and control lighting scenes.

C-Bus Remote Controller controls multiple input units as well as separately configured units.

This versatile remote control has a range of up to 49 feet (15 meters) and is easily configured by programming the IR receiving device in the C-Bus Toolkit software.

8 Button Remote Controls

Technical Information

Supply Voltage	3 Vdc required for normal operation
Battery Type	(2) x AAA alkaline Speaker Diameter
IR Transmission Range	Up to 15 m
Dimensions	149 mm (L) x 52 mm (W) x 25 mm (D)
Weight (w/o batteries)	61 g
Remote Control Holder	
Dimensions	108 mm (L) x 55 mm (W) x 32 mm (D)
Mounting Centres	2.2 – 2.4 in. (55 – 60 mm)
Mounting Screw Size	#6 (7/8 in.) flathead wood screw (3.5 mm x 20 mm)
Wall Anchor Size	7 mm x 25 mm

Catalogue Number	Description
SLC5088TX	Eight Button IR Remote Controller
SLC5084TX	Four Button IR Remote Controller
SLC5080TX	C-Bus remote control holder

Product Features

- Eight & Four Button options
- Wall mount storage holder included with each remote control
- Removeable front cover for label insertion (labels included)
- (2) AAA batteries included

Distributed Intelligence

- Compatible with C-Bus IR Input devices

5084TX

4-Button C-Bus

Infrared Remote Control with Holder

5088TX

8-Button C-Bus

Infrared Remote Control with Holder

5080TXC

C-Bus Remote Control Holder

(Spare)

Legacy products

Neo input switches

The Neo key Input units are learn enabled surface switches designed to control lighting and other electrical services connected to a C-Bus network.

E5052NLGB

Catalogue Number	Description
E5052NLGB	2 Gang Neo Input Square Grey/Silver
E5054NLGB	4 Gang Neo Input Square Grey/Silver
E5058NLGB	8 Gang Neo Input Square Grey/Silver
5052NLGB	2 Gang Neo Input Rectangular Grey/Silver
5054NLGB	4 Gang Neo Input Rectangular Grey/Silver
5058NLGB	8 Gang Neo Input Rectangular Grey/Silver
5052NLWE	2 Gang Neo Input White
5054NLWE	4 Gang Neo Input White
5058NLWE	8 Gang Neo Input Square White
E5052NLBK	2 Gang Neo Input Square Black
E5054NLBK	4 Gang Neo Input Square Black
E5058NLBK	8 Gang Neo Input Square Black
E5052NLWE	2 Gang Neo Input Square White
E5054NLWE	4 Gang Neo Input Square White
E5058NLWE	8 Gang Neo Input Square White

Accessories	Description
5038TX	Remote control 8 Button
5050ISxx	Inner sorround Neo
5050OSxx	Outer sorround Neo
E5050ISxx	Square shape NEO inner sorround
E5050OSxx	Square shapre NEO outer sorround

Note xx: BK, BR, CM,DS, GB, WE

Accessories	Description
5052NRIxx	Rocker Switch with ID Window

Note xx: CM, GB, BK, BR

Accessories	Description
5052NRPxx	2 Gang Neo Rocker & Space Pack
5054NRPxx	4 Gang Neo Rocker & Space Pack
5058NRPxx	8 Gang Neo Rocker & Space Pack

Note xx: BK,BR, CM, DS, GB, SG, WE

Accessories	Description
5850Fxx	8 Gang Neo Rocker & Space Pack
E5050MF	Monting flange for NEO

Neo DLT input switches

The square Neo series dynamic labeling technology switches are learn enabled surface switches designed to control lighting and other electrical services connected to a C-Bus network.

Catalogue Number	Description
E5054DLGB	4 Gang Neo Square DLT Grey/Silver
5055DLGB	5 Gang Neo input rectangular DLT Grey/Silver
5055DLWE	5 Gang Neo DLT White

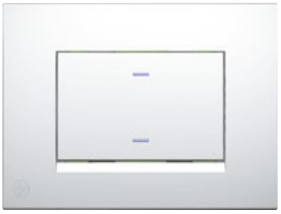
5055DLGB

Modena input switches

Allow existing 240V AC. operated wall switches to be replaced with C-Bus Wireless Wall Switches containing C-Bus Wireless technology.

Catalogue Number	Description
A5031NL-WE	KEY INPUT C BUS 1 GANG LEARN
LHC882-BK	Modena KEY INPUT 2G MODENA BLACK
LHC882-WH	Modena KEY INPUT 2G MODENA WHITE
LHC884-WH	Modena KEY INPUT 4G MODENA WHITE
LHC884-BK	Modena KEY INPUT 4G MODENA BLACK
LHC886-WH	Modena KEY INPUT 6G MODENA WHITE
LHC886-BK	Modena KEY INPUT 6G MODENA BLACK

** To support legacy projects * Not recommended for new installations * Longer lead times*



LHC882

E-Series input switches

The E-Series key Input units are learn enabled surface switches designed to control lighting and other electrical services connected to a C-Bus network.

Catalogue Number	Description
E5031NLWE	1 Gang key vertical
E5032NLWE	2 Gang key horizontal
E5032VNLWE	2 Gang key vertical
E5034NLWE	4 Gang key vertical

E5031NLWE

Legacy products

Black & white touch screen

Some variants of the Black & White touch screen are not available ex-stock and are offered as a legacy product only

Available on Order Only (EOL section)

Catalogue Number	Description
5050CT2	C-BUS Black & White Neo touch screen without logic
5050CTL2xx	C-BUS Black & White Neo touch screen with logic
BB5000CT2	C-BUS Black & White Flat Plate touch screen without logic
BB5000CTL2	C-BUS Black & White Flat Plate touch screen with logic
SC5000CT2xx	C-BUS Black & White Plastic Series touch screen without logic
SC5000CTL2xx	C-BUS Black & White Plastic Series touch screen with logic
Cover Selection	(WE) White, (CM) Cream, (BK) Black, (GB) Grey/ Silver*, (28) White Brushed Aluminum*

5050CT2

** Available with Neo models only*

Catalogue Number	Description
5050CT2F	Neo Fascia
BB5000CT2F	Metal fascia Stainless Steel
SC5000CT2F	Plastic Fascia
Cover Selection	(WE) White, (CM) Cream, (BK) Black, (GB) Grey/ Silver*, (28) White Brushed Aluminum*

Spectrum touch screen

Some variants of the Spectrum touch screen are not available ex-stock and are offered as a legacy product only.

Catalogue Number	Description
C5050CT2xx	Spectrum Neo touch screen without Logic Engine
C5050CTL2xx	Spectrum Neo touch screen with Logic Engine
5050CTC3BK	Colour Touch Screen 6.4", Black
5050CTC3GB	Colour Touch Screen 6.4", Glass
5050CTC3WE	Colour Touch Screen 6.4", White
Cover Selection (x)	(WE) White, (3) Cream, (6)Black, (7) Mid-Brown*

Wall-mounted Spectrum touch screen

** Not stocked, expect longer delivery times*

Colour touch screen

Some variants of the Colour touch screen are not available ex-stock and are offered as a legacy product only.

Catalogue Number	Description
5080CTC37*	Colour touch screen 6.4" V3, Light Brown
5050CTC3-28*	Colour Touch Neo 6.4" V3, white brush aluminum
5080CTCF7*	Colour touch screen 6.4" Fascia, Light Brown
5000CTCPS/2*	Power Supply 6.4" touch screen
BS5000CTCF*	Colour touch screen 6.4" Stainless Steel Fascia

** Not stocked, expect longer delivery times*

5050CTC3

Output Units

Ouput units

C-Bus Output Units are used to control electrical loads. These loads could be lighting, heating or other appliances. Different types of output units within the C-Bus system include:

- Dimmers
- Relays
- Blind controls
- Fan controls
- DSI gateways
- IR transmitters
- And many more

Output Units respond to messages sent from Input Units to either turn on, turn off or affect loads based on pre-determined levels.

Universal dimmer range learn enabled

The Universal dimmers are DIN rail mounted C-Bus dimmers with automatic load sensing. These units can be used with leading edge or trailing edge compatible low voltage electronic transformers, as well as incandescent lamps and low voltage lamps with iron-core transformers. The units feature 4 independent channels of 2.5A output per channel and are available with and without on-board 200mA C-Bus Power Supply and provide a software selectable Network Burden and C-Bus System Clock.

Technical Information

Catalogue number	L5504D2U	L5504D2UP
AC supply voltage	220 – 240V	
AC supply frequency	47 – 53Hz	
Single or 3 phase supply	1,2 or 3 phase	Single phase
AC supply frequency	47 – 53Hz	
Number of channels	4	
C-Bus learn enabled	Yes	
Maximum incandescent load per channel	2.5A	
Maximum iron core transformer load per channel	2.5A	
Maximum electronic transformer load per channel	2.5A	
Wall or DIN mounted	DIN	
No. of DIN modules wide	12 DIN modules	
Mains terminals	2 x 1.5mm² or 1 x 2.5mm²	
Dimensions	215 x 85 x 65mm	
Maximum units on a network (255 networks)	10	100
C-Bus connections	2 x RJ45	

Product Features

- Provides 4 x 2.5A channels of dimming control.
- Programmable via the learn mode feature or using the C-Bus Toolkit software.
- Provides 4 universal phase controlled dimming channels in a 12M wide DIN rail enclosure

Catalogue Number	Description
L5504D2U	4 Channel 2.5A per channel dimmer, 200mA Power Supply
L5504D2UP	4 Channel 2.5A per channel dimmer without power

Accessories	Description
S31LCDA	Load Correction Device

4 & 8 channel dimmer range learn enabled

The 4 channel dimmer units are DIN rail mounted units employing leading edge phase control circuitry for dimming control. These dimmer units feature learn mode, local and remote overrides for on/off control, channel, C-Bus and unit status indicators.

Each dimmer channel is rated at 2 Amps and is suitable for incandescent and low voltage lighting using magnetic and leading edge compatible transformers. The dimmer output is controllable over the range of 2-98%, while frequency tracking algorithms ensure flicker-free operation and smooth dimming control.

The dimmer units are available as passive and current sourcing models that source up to 200mA to the C-Bus network.

Technical Information

Catalogue number	L5508D1A/L5504D1A	L5508D1AP/ L5504D1AP
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz and 57-63Hz	
Frequency Drift	3Hz/minute (maximum)	
Frequency Step Change	0.1Hz (maximum)	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	1A	
Minimum Load	15W per channel	
Control Range	2 - 98%	
Compatible Loads	Incandescent and low voltage lighting. Ensure compatible leading edge electronic transformers are used.	
C-Bus Source Current	200mA	0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Warm Up Time	5 seconds	
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm^2 or 1 x 2.5mm^2	
Operating Temperature Range	0℃ to 45℃	
Operating Humidity Range	0 - 95% RH, non-condensing	

Catalogue Number	Description
L5508D1AP	8 Channel dimmer 1A, 220/240VAC 50/60Hz
L5508D1A	8 Channel dimmer 1A, 220/240VAC 50/60Hz, C-Bus 200mA
L5504D2AP	4 Channel dimmer 2A, 220/240VAC 50/60Hz
L5504D2A	4 Channel dimmer 2A, 220/240VAC

Accessories	Description
S31LCDA	Load Correction Device

Product Features

- Programmable via the learn mode feature or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (max/min) programmable using the C-Bus Toolkit Software
- Employs frequency-tracking algorithms for smooth flicker free operation
- Designed to fit standard 35mm top hat DIN rail, measures just 12M in size
- Designed to fit into standard electrical switchboards

10A relay range learn enabled

The 10A channel relay units are DIN rail mounted units suitable for switching resistive, inductive and fluorescent loads.

These relay units feature learn mode, local and remote overrides for on/off control, Channel, C-Bus and unit status indicators.

Load control is provided by a special dual contact relay designed for extreme long life with lighting loads, even with power factor corrected fluorescent lamps. One contact is tungsten designed to withstand high in rush currents and arcing when opening and the other contact is silver alloy for steady state current operation.

L5504RVF

The relay units are available as passive and current sourcing models that source up to 200mA to the C-Bus network.

Technical Information

Catalogue number	L5504RVF*	L5504RVFP*
Line Supply Voltage	220-240VA	
Supply Frequency	47-53Hz and 57-63Hz	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	10A	
Contact Type	Voltage free, normally open, magnetically latched	
Switch Operations	Greater than 60,000 operations	
In-Rush Current	120A (20msec)	
Compatible Loads	Resistive, inductive, incandescent and fluorescent	
C-Bus Source Current	200mA	0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm^2 or 1 x 2.5mm^2	
Operating Temperature Range	0°C to 45°C	
Operating Humidity Range	0 - 95% RH, non-condensing	
Dimensions	4 Channel 143 x 63 8 & 12 Channel 216 x 65	

Catalogue Number	Description
L5504RVFP	4 Channel relay 10A, 220/240VAC 50/60Hz
L5504RVF	4 Channel relay 10A,220/240VAC 50/60Hz, C-Bus 200mA
L5508RVFP	8 Channel relay 10A, 220/240VAC 50/60Hz
L5508RVF	8 Channel relay 10A, 220/240VAC 50/60Hz, C-Bus 200mA
L5512RVFP	12 Channel relay 10A, 220/240VAC 50/60Hz
L5512RVF	12 Channel relay 10A, 220/240VAC 50/60Hz, C-Bus 200mA

Product Features

- Programmable via the learn mode feature or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (and/or) programmable using the C-Bus Toolkit Software
- Features magnetically latched relays that hold state in case of loss of C-Bus communications
- Designed to fit standard 35mm top hat DIN rail, measures just 8M in size
- Designed to fit into standard electrical switchboards

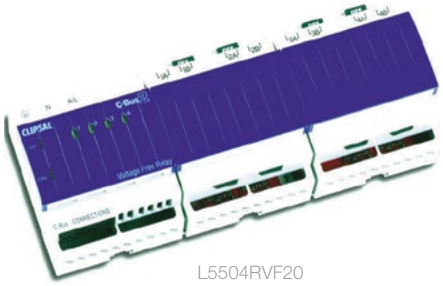
4 channel 20A relay range learn enabled

The 4 channel relay units are DIN rail mounted units suitable for switching resistive, inductive and fluorescent loads.

These relay units feature learn mode, local and remote overrides for on/off control, Channel, C-Bus and unit status indicators.

Load control is provided by a special mechanically latched relay, with local mechanical override on the unit, independent of the C-Bus communications. Each relay is rated at 20A and is compatible with resistive, inductive, incandescent and fluorescent load types.

The relay units are available as passive and current sourcing models that source up to 200mA to the C-Bus network.



L5504RVF20

Technical Information

Catalogue number	L5504RVF20	L5504RVF20P
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz and 57-63Hz	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	20A	
Contact Type	Voltage free, normally open, magnetically latched	
Switch Operations	Greater than 60,000 operations	
In-Rush Current	120A (20msec)	
Compatible Loads	Resistive, inductive, incandescent and fluorescent	
C-Bus Source Current	200mA	0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Status Indicators	Channel Status (4), Unit and C-Bus	
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm^2 or 1 x 2.5mm^2	
Operating Temperature Range	0℃ to 45℃	
Operating Humidity Range	0 - 95% RH, non-condensing	
Operating Temperature Range	0℃ to 45℃	
Operating Humidity Range	0 - 95% RH, non-condensing	

Catalogue Number	Description
L5504RVF20P	4 Channel relay 20A, 220/240VAC 50/60Hz
L5504RVF20	4 Channel relay 20A, 220/240VAC 50/60Hz, C-Bus 200mA

Product Features

- Provides 4 x 20A channels of switching output
- Programmable via the learn mode feature or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control independent of C-Bus communications
- Mechanical override independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (and/or) programmable using the C-Bus Toolkit Software
- Features mechanically latched relays that hold state in case of loss of C-Bus communications
- Designed to fit standard 35mm top hat DIN rail, measures just 12M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant

4 channel changeover relay range

The 4 channel changeover relay units are DIN rail mounted units suitable for switching resistive, inductive and fluorescent loads.

These relay units feature learn mode, local and remote overrides for on/off control, Channel, C-Bus and unit status indicators.

Load control is provided by non-latched, changeover relays that feature both normally open (N.O.) and normally closed (N.C.) contacts. The changeover relays can be interlocked and have applications in curtain and blind controls (up/down) or 3 speed air-conditioning controls (on/off, low, medium and high).

The relay units are available as passive and current sourcing models that source up to 200mA to the C-Bus network.

L5504RVFC

Technical Information

Catalogue number	L5504RVFC	L5504RVFCP
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz and 57-63Hz	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	10A resistive, 5A inductive and incandescent, 1A fluorescent	
Contact Type	Voltage free, normally open, magnetically latched	
Switch Operations	Greater than 60,000 operations	
Compatible Loads	Resistive, inductive, incandescent and fluorescent	
C-Bus Source Current	200mA	0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Status Indicators	Channel Status (4), Unit and C-Bus	
Warm Up Time	5 seconds	
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm2 or 1 x 2.5mm2	
Operating Temperature Range	0˚C to 45˚C	
Operating Humidity Range	0 - 95% RH, non-condensing	
Dimensions	4 Channel 143 x 63 8 & 12 Channel 216 x 65	

Catalogue Number	Description
L5504RVFCP	4 Channel changeover, relay 220/240VAC 50/60Hz
L5504RVFC	4 Channel changeover, relay 220/240VAC 50/60Hz, C-Bus 200mA

Product Features

- Provides 4 channels of changeover, non-latched relay outputs
- Programmable via the learn mode feature or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control, independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (and/or) programmable using the C-Bus Toolkit Software
- Relays may be interlocked for curtain, blinds and 3 speed air conditioning controls
- Designed to fit standard 35mm top hat DIN rail, measures just 8M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant

Blind control relay

The Blind Control Relay units are designed to directly drive the motors for soft furnishing components like motorised blinds, curtains, shutters and awnings. The relay unit can be easily installed in the switchboard or in the field in the optional din-rail mount enclosure.

Designed with the installer in mind, this unit provides a easy to install module with features required to make direct motor control safe and simple.

L5501RBCP illustrated

Technical Information

Catalogue number	L5501RBCP
C-Bus Supply Voltage	15-36V DC @ 22mA required for normal operation.
Does not provide current to the C-Bus Network AC Input Impedance	80kΩ @ 1kHz
Electrical Isolation	3.75kV RMS from C-Bus to mains
Max. Units per Network	80
Load Current Rating	2A (motor load)
Load Voltage Rating	24V DC, 24-240V AC
Warm Up Time	5 seconds
Network Clock Software	Selectable
Network Burden Software	Selectable
Class of Switch	Class II
Rated Impulse Withstand Voltage	4 kV
Operating Temperature	0° to 45° C
Operating Humidity	10 to 95% RH
Dimensions (W x H x D)	36 x 93 x 63mm
Weight	250g
Mains terminals	Accommodates 2 x 1.5mm^2 or 1 x 2.5mm^2 (2 x 15AWG or 1 x 13AWG)
Catalogue number	5501RE
Dimensions (W x H x D)	159 x 75 x 47mm
Mounting Centres	84mm
Weight	116g

Catalogue Number	Description
L5501RBCP	Blind Control Relay
5501RE	Enclosure for Blind Control Relay

Product Features

- Internally electrically interlocked directional contacts
- One, two or three button control from C-Bus switchplates or touchscreens
- Programmable time delays (0.5 – 4.0 seconds) between motor direction change
- Din-rail mounting or optional enclosure for field installation of unit
- Local manual override buttons to assist with setting end-limits.

Single and two channel relay range non learn mode

The 1 and 2 channel relay units are panel mounted units suitable for switching resistive, inductive and fluorescent loads. The units are ideally suited for mounting inside fluorescent lighting products, street lighting columns and adjacent HID luminaires due to their small size and volume.

These relay units feature a remote override for on/off control and a C-Bus status indicator.

Load control is provided by a special dual contact relay designed for extreme long life with lighting loads, even with power factor corrected fluorescent lamps. One contact is tungsten designed to withstand high in-rush currents and arcing when opening and the other contact is silver alloy for steady state current operation.

The single channel relay also features a 0-10V output and is compatible with dimmable electronic ballasts, hence the relay may be used to switch line voltage to the ballast as well as dim the output using the 0-10V output. The relay units are available as passive models only, hence do not source current to the C-Bus network.

5102RVF

Technical Information

Catalogue number	5101R	5102RVF
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	10A AC3	
Contact Type	Switched active	Voltage free, normally open, non latched
Switch Operations	Greater than 60,000 operations	
In-Rush Current	120A (20msec)	
Compatible Loads	Resistive, inductive, incandescent and fluorescent	
Analog Output	0 - 10VDC, compatible with up to 2 x 36W immable electronic ballasts	-
C-Bus Source Current	0mA	
Maximum Number of Units on a Single C-Bus Network	100	
Status Indicators	C-Bus power available	
C-Bus Termination	Screw terminals	
Load Termination	Push connectors, 1 x 2.5mm2	
Operating Temperature Range	0˚C to 45˚C	
Operating Humidity Range	0 - 95% RH, non-condensing	

Product Features

- Programmable via the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (and/or) programmable using the C-Bus Toolkit Software
- Panel mounted, small size and volume

Catalogue Number	Description
5101R	1 Channel relay, 10A, Non Learn Enabled, non DIN
5102RVF	2 Channel relay, 10A, Non Learn Enabled, non DIN

Extra low voltage 8-channel relay

The extra low-voltage relay unit is a C-Bus output device that controls eight extra low voltage relay channels. The unit is powered from the C-Bus network and requires no other power source. The unit can be daisy chained or placed at the end of a C-Bus network.

This product is suitable for switching loads such as irrigation solenoids and SELV air conditioning dampers as well as SELV pulse signal control into third party products.

L5108RELVP

Technical Information

C-Bus network supply voltage	15 to 36 V DC @ 32 mA required for programming and operation
Maximum Number of Units	50
C-Bus connections	2 wire, twisted pair
Warm up time	5 seconds
Load Rating per relay channel	2A at 30 V d.c. max or 30V a.c. RMS
	Suitable for resistive and inductive loads
Contact type	Voltage Free, SPDT (changeover)
Relay terminal connections	C - Common
	N/O - Normally Open
	N/C - Normally Closed
Types of electrical connection	Fixed load terminal for 1 x 1.0mm2 wire per tunnel (13 AWG)
	Removable C-Bus terminal block
Switching rate	0.5 sec per operation, 1 or 2 relays per operation
IP Rating	IP51
EMC Environment	Environment A
Mounting mode	Surface; 4 mounting screw holes and keyhole mount
Weight	330 g
Storeage Temperature	0℃ to 60℃
Operating Temperature Range	0℃ to 50℃
Operating Humidity Range	0 - 90% RH, non-condensing
Dimensions	220 mm x 80 mm x 39 mm
Standards	AS, AS/NZC, EN, IEC

Catalogue Number	Description
L5108RELVP	L5108RELVP

Product Features

- 8 x single-pole, double-throw (changeover) relays
- Powered from C-Bus, draws 32mA
- Contacts rated 2A (AC3) @ 30V a.c./d.c.
- Relays can be operated in pairs
- Local override buttons
- High temperature rated (to 50°C)
- IP5x rated enclosure (dustproof)
- Removable terminals

8 channel DSI gateway range learn enabled

The 8 channel DSI gateway units are designed to control Atco-Tridonic brand dimmable electronic ballasts featuring the digital serial interface. These DSI units feature learn mode, local and remote overrides for on/off control, channel, C-Bus and unit status indicators.

Each DSI channel can drive up to 100 DSI ballasts allowing a total of 800 DSI ballasts to be connected to a single C-Bus/DSI gateway module.

The DSI gateway is capable of detecting faulty lamps connected to its terminals and issuing a message onto the C-Bus network. These messages can be read by C-Gate server application, when integrated as part of an overall building management system, lamp status may be reported to a central location.

L5508DSI

Technical Information

Catalogue Number	L5508DSI	L5508DSIP
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz and 57-63Hz	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	200mA (100 ballasts)	
Minimum Load	15W per channel	
Control Range	0 - 100%	
Compatible Loads	Tridonic DSI dimmable ballasts or equivalent	
Channel Output Voltage	0.0 - 0.8V (low) to 11.0 - 13.0V (high)	
C-Bus Source Current	200mA	0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Status Indicators	Channel Status (8), Unit and C-Bus	
Warm Up Time	5 seconds	
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm2 or 1 x 2.5mm2	
Operating Temperature Range	0°C to 45°C	
Operating Humidity Range	0 - 95% RH, non-condensing	

Catalogue Number	Description
L5508DSIP	8 Channel dimmer for DSI Ballast, 20A

Product Features

- Provides 8 channels of DSI dimming control
- Programmable via the learn mode feature or using the C-Bus Toolkit software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (max/min) programmable using the C-Bus Toolkit Software
- Monitors and reports lamp state
- Designed to fit standard 35mm top hat DIN rail, measures just 8M in size
- Designed to fit into standard electrical switchboards
- Available as passive and current sourcing modules

4 channel analogue output range learn enabled

L5504AMP

The 4 channel analogue output units are DIN rail mounted units designed to control 0 - 10V and 1 - 10V compatible dimmable electronic ballasts used in the lighting industry.

These analogue output units feature learn mode, local and remote overrides for on/off control, Channel, C-Bus and unit status indicators.

Each channel is capable of sourcing or sinking current and the number of ballasts that may be connected to the analogue output unit is a function of the current drain of that particular ballast.

The analogue control signal typically regulates lighting output over the range of 3 - 100%. The dimming transitions are smooth and flicker free.

The analogue output units are available as passive models only, hence do not source current to the C-Bus network.

Technical Information

Catalogue number	L5504RVF20	L5504RVF20P
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz and 57-63Hz	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	20A	
Contact Type	Voltage free, normally open, magnetically latched	
Switch Operations	Greater than 60,000 operations	
In-Rush Current	120A (20msec)	
Compatible Loads	Resistive, inductive, incandescent and fluorescent	
C-Bus Source Current	200mA	0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Status Indicators	Channel Status (4), Unit and C-Bus	
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm2 or 1 x 2.5mm2	
Operating Temperature Range	0°C to 45°C	
Operating Humidity Range	0 - 95% RH, non-condensing	
Operating Temperature Range	0°C to 45°C	
Operating Humidity Range	0 - 95% RH, non-condensing	

Catalogue Number	Description
L5504AMP	4 Channel Analogue Output, 0-10V, 220/240VAC 50/60Hz

Product Features

- Provides 4 channels of 0 - 10V dimming control
- Programmable via the learn mode feature or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (max/min) programmable using the C-Bus Toolkit Software
- Designed to fit standard 35mm top hat DIN rail, measures just 8M in size
- Designed to fit into standard electrical switchboards

DIN rail-mounted single-channel fan control relay

The L5501RFCP C-Bus Ceiling Sweep Fan Controller unit is a DIN rail mounted C-Bus output device that provides speed control for a ceiling sweep fan. The Fan Controller uses multiple relays and a dual capacitor block for speed selection. The Fan Controller can be installed in the optional 5501FRE plastic enclosure on a wall or in a ceiling space

The Fan Controller is designed to withstand the high temperatures often found in spaces above ceilings. The L5501RFCP Ceiling Sweep Fan Controller provides C-Bus control of a ceiling sweep fan for up to three speeds (Low, Medium and High) and Off.

L5501RFCP

Technical Information

C-Bus network supply voltage	15-36 V d.c.
Current Requirement	18 mA, powered from C-Bus network, does not provide power for the C-Bus network
Maximum Number of Units	100
Network clock	Software selectable
Network burden	Software selectable when Unit Address is 001
AC Impedence	100 kΩ @ 1 kHz
Warm up time	10 seconds
Electrical isolation	3.75 kV from C-Bus to mains
Input voltage for fan motor	100 VAC to 240 VAC; input circuit must have a suitable circuit breaker
Fan load rating	1.5 A
Switch duty type (S1)	Continuous duty. Line and neutral are switched. Fan motor and neutral are switched
Speed control	Capacitive; capacitor block supplied by fan manufacturer for Low and Medium speeds. High speed uses direct on-line (no capacitor in the circuit). Three unique fan speeds Low, Med and Hi and Off.
Connectors	C-Bus: 2 x RJ-45
	Capacitor block: 3 x push button for one 1.5 mm²
	Fan: 2 x screw type for one 1.5 mm² wire
	Input Power: 2 x screw type for up to two 1.5 mm²
Indicators	Unit, C-Bus, 3 x Fan speed
Control	Local override pushbutton, not illuminated
Class of switch	Class II
Rated impulse withstand voltage	4 kV
IP rating	20
Proof tracking index (PTI)	175
Pollution degree	2
Glow wire test (GWIT)	Level 3, 850° C
Mounting type	DIN rail, or wall or ceiling space mounting in the optional plastic enclosure; For indoor use only
Weight	Fan Controller Relay Unit: 145 grams
	Optional plastic enclosure: 220 grams
Storeage Temperature	0°C to 65°C
Operating Temperature Range	0°C to 50°C
Operating Humidity Range	10 - 95% RH, non-condensing
Dimensions	Unit: 93 x 53 x 65 mm
	Accessory: 210 x 75.5 x 66mm
Standards	AS, AS/NZC, EN, IEC, CISPR

Catalogue Number	Description
L5501RFCP	C-Bus Fan Control Relay, 250V a.c, No Inbuilt C-Bus Power Supply
5501FRE	Remote Mounting Enclosure, Suits C-Bus Fan Control Relay

Product Features

- Single channel relay for the direct control of ceiling sweep fans
- Capacitor control (utilise capacitor supplied with fan)
- Inbuilt capacitor bay
- High temperature rated (to 70°C)
- DIN rail-mounted, 3M wide
- Dimensions 53 x 93mm x 65mm
- Up to 3-speed control of fan
- Programmable labels for fan speed broadcasted onto C-Bus
- Powered from C-Bus, draws 18mA
- Optional remote mounting enclosure available, catalogue number 5501FRE

C-Bus infrared (IR) transmitters

The C-Bus Two Channel Infrared Transmitter Unit is a C-Bus Output Unit that allows control of third party devices over the medium of IR. The IR Unit is typically used for the control of audio visual equipment, such as televisions and video cassette recorders. Other infrared capable devices such as motorised blinds, air-conditioning and other products can also be controlled.

The Unit can store an on-board library of up to 200 IR commands for control of these 3rd party devices (dependant on IR code length and protocol type).

E5034NIRT

Technical Information

Supply voltage	15-36Vdc
Current Drawn	32mA
AC Input Impedance	50kΩ @ 1kHz
Electrical Isolation Rating	3.75kV RMS from C-Bus to mains
IR Ports	2
IR Port Output Voltage	5Vdc (maximum)
IR Port Output Current	20mA (maximum rated continuous output)
IR Port Terminals	2 x 3.5mm mono mini audio jacks
IR Code Formats Supported	IR Carrier Frequencies 0 – 455kHz
	Pulsed IR Code Formats (carrier-less)
IR Transmission Delay	200ms (minimum delay between consecutive commands
Communication Speed	~ 300 bits/sec (via C-Bus)
	~ 10 kbits/sec (via 5100HSC)
C-Bus Unit Type	PC_IRT2
C-Bus System Clock	Software Selectable
C-Bus Network Burden	Software Selectable
Maximum Number of Units on a Single C-Bus Network	50 Units
C-Bus Input Terminals	0.2 – 1.5mm2 (24-16AWG)
Shipping Weight	90gm
Storage Temperature Range	-10˚C to 60˚C
Operating Temperature Range	0˚C to 45˚C
Operating Humidity Range	0 - 95% RH, non-condensing
Dimensions	87 x 87 x 34mm (60mm Mounting Centres)

Catalogue Number	Description
E5034NIRT	2-Channel Infrared Transmitter Unit

Accessories	Description
5100HSCU	High speed programming cable for C-Bus IR transmitter
5100RP	IR code learning unit
8050LD	IR Emitter Lead, Single
80502LD	IR Emitter Lead, Dual

Product Features

- Transmit IR codes to third party devices
- Capable of broadcasting IR messages through 2 IR output channels
- (via 3.5mm mini audio mono sockets)
- Single or dual-head emitter leads (ordered separately) are connected to the output jacks (catalogue numbers 8050LD and 8050/2LD)
- Programmed via the high-speed programming cable (catalogue number 5100HSCU, ordered separately)
- The installer has the facility to modify the stored codes using Windows-based application software
- Store a library of commonly used IR codes
- The infrared controller is based on the standard range of C-Bus 4-button wall switches
- Available in White Electric
- Draws 32mA from the C-Bus network

Legacy products

Professional dimmer

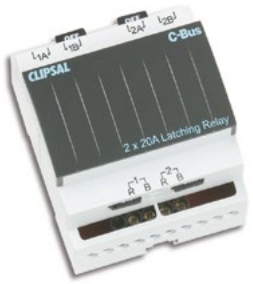
The dimmers are C-Bus controlled, high power, multi phase control units, compatible with a wide range of load types, including neon.

10A, 2-Channel Professional Dimmer Unit

Channels	Catalogue Number	Description
2 Channel	L5102D10	10A Professional Dimmer
3 Channel	L5103D5LP	5A Professional Dimmer
	L5103D10LP	10A Professional Dimmer
	L5103D20LP	20A Professional Dimmer
4 Channel	L5104D5	5A Professional Dimmer
6 Channel	L5106D3LP	3A Professional Dimmer
	L5106D5LP	6A Professional Dimmer
	L5106D10LP	10A Professional Dimmer
	L5106D20LP	20A Professional Dimmer
12 Channel	L5112D3LP	3A Professional Dimmer
	L5112D5LP	5A Professional Dimmer
	L5112D10LP	10A Professional Dimmer
	L5112D16LP	16A Professional Dimmer
	L5112D20LP	20A Professional Dimmer

** Not Ex-stock*
** Longer lead times*

Dual relay module



5002RL20

The dual channel relay, is a heavy duty, mechanically latched, DIN rail mounted relay and is rated at 20 Amps continuous use. The relay can withstand high in-rush currents and is suitable for incandescent, high intensity discharge lamps and fluorescent loads.

The relay module features mechanical on/off control for manual operation.

The dual channel relay must be used in conjunction with the 5504RDP or L5504RDP relay driver products.

Catalogue Number	Description
5002RL20	Dual relay, 20A

Accessories	Description
L5504RDP	4 Channel relay Driver, C-Bus 200mA
5504RDP	4 Channel relay Driver

System Units & Accessories

System Units & Accessories

C-Bus System Units provide system wide facilities to a C-Bus Network. For example, a C-Bus Power Supply provides C-Bus power to a network and a C-Bus Pascal Automation Controller provides extended logic functions to a C-Bus Network.

These units are an essential part of the C-Bus architecture and are vital for its commissioning, programming and integration with other protocols.

Wiser home controller MkII

The Wiser™ Home Control from Schneider Electric enables the seamless management of your lighting, air conditioning, music, home theatre, security, energy use and other systems. Utilising the same graphic user interface across different control devices, you can run your home in a wiser way. Whether you are home or away, you can activate the Wiser Home Control from your computer, TV or even smart phone and enjoy 24/7 connectivity in the palm of your hand.

Take control and enjoy every minute of your life by simply being Wiser.

Wiser Home Controller

Technical Information

Interface	1 x LAN RJ45 socket, supports Power Over Ethernet (POE)
	1 x Socket for 24V dc (power supply)
	1 x HDMI connection
	2 x USB 'A' connections (1 front, 1 rear)
	1 x C-Bus screw terminal connector
Antenna	Built in
Software Features	
Internet Connectivity	DHCP client
	Dynamic DNS
Security	WPA, WPA2
Video Connectivity	Support for multiple video formats for cameras including motion JPEG.
Maximum number of C-Bus Application supported	10
Maximum number of C-Bus group addresses supported	255 group addresses on each application (maximum of 500 total)
Number of programming commands available	>200
Maximum number of individual modules in a program	50
Number of timers	20 in-built, >1,000 user definable
Maximum number of event schedules	250
Variable mathematical functions	Yes
Schedule events by time	Yes
Sunrise/Sunset events	Yes
Daylight savings time adjustment	Yes
Random time events	Yes
Power failure recovery process	255 group addresses
Time resolution	1 second
Clock accuracy	1 minute/month
	1 second/1000 years with NTP (not tested)
Email Client	POP3, 5 email accounts, email qty, sender and subject
Physical Specification	
Operating Voltage	Multi-region, 100-240V ac to 24V dc, 1A plug adapter
Operating Temperature Range	0°C to 45°C
Operating Humidity Range	10 - 90% RH, non-condensing
Dimensions	219 (L) x175 (W) x 33.5 (D) mm
Standards	FCC, CE

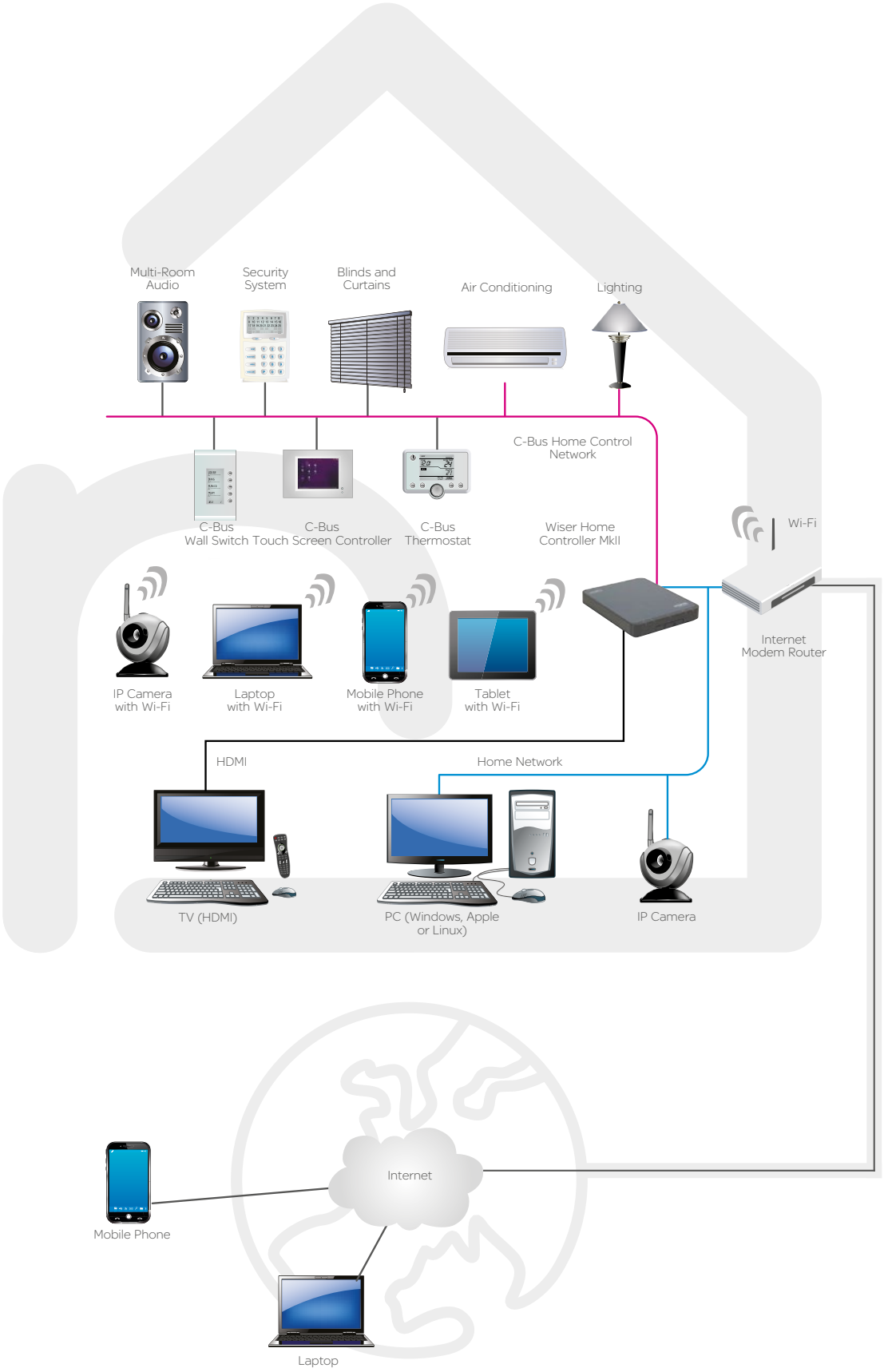
Catalogue Number	Description
WHC25918	Wiser Home Controller 2

** - Coming Soon*

Product Features

- Ethernet and Wi-Fi based controller for C-Bus System
- Dual internal C-Bus connections that enable the Wiser Controller to remain connected to C-Bus even when configuring C-Bus through Wiser's C-Bus connection using Toolkit programming software
- Supports applications including lighting, climate, blinds/curtains, measurement, multi-room audio and security
- Includes preconfigured Graphical User Interfaces (GUIs) for consistent appearance on all supported devices
- Includes preconfigured 'widgets' to provide consistent graphical components across all interfaces
- Includes wired Ethernet or wireless client connection to home network
- Supports ULTI EZinstall3 ZigBee Wireless Home Network (via additional USB dongle or Ethernet interface)
- GUI can be viewed in a web browser (Flash must be supported), on an iOS device (such as an iPhone), on an Android device or on an HDMI connected monitor
- Supports control of User Interface (UI) on HDMI connected device through Consumer Electronic Control (CEC) codes using the device's own hand-held remote control
- Supports Network Time Protocol (NTP) for accurate time and date retrieval from the Internet
- Includes on-board C-Bus Ripple server for use with C-Bus Multi-Room Audio solution

Wiser home control MkII
System architecture



C-Bus ethernet network interface

The Schneider Electric C-Bus Ethernet Network Interface unit is a C-Bus system support device designed to provide an isolated communications path between an Ethernet Network and a C-Bus Network.

The following functions can be achieved through this interface: programming C-Bus Units, issuing commands to a C-Bus Network including scheduled activities as well as monitoring and data logging of activities on a C-Bus Network.

The C-Bus Ethernet Network Interface may also generate the system clock for communications data synchronisation on the C-Bus Network and provide a software selectable Network Burden.

Ethernet Network Interface

Technical Information

C-Bus Voltage Requirements	15 – 36 Vdc
Supply Current	12 Vac or dc @ 300 mA
C-Bus Input Voltage	15 to 36 Vdc
External Power Supply (provided)	12 Vdc @ 500 mA
Electrical Isolation	500 V RMS continuous C-Bus/RS-232
Status Indicators	Ethernet LED/Comms LED
C-Bus System Clock	Software selectable
C-Bus Network Burden	Software selectable
Ethernet Connection	RJ-45 socket for connection to Ethernet
Dimensions	85 mm (H) x 72 mm (W) x 65 mm (D)
Weight	4.59 oz (130 g)
Operating	Temp.: 32° F to 113° F (0° C to 45° C)
Environment	RH: 95%, noncondensing
Storage Environment	-10° C to 60° C, RH: 95%, noncondensing

Catalogue Number	Description
5500CN2	Ethernet Network Interface

Product Features

- Programming C-Bus Units
- Issuing commands to a C-Bus Network, including scheduled activities
- Monitoring and Data Logging of activities on a C-Bus Network
- Software selectable C-Bus System Clock

C-Bus PC interface/PC interface USB

The C-Bus PC Interface (PCI) expands options for configuring, controlling and monitoring C-Bus networks by providing an interface between the network and a personal computer (PC) or other external device.

The C-Bus PCI module easily mounts to a DIN rail and connects to external devices through its built-in connector ports. Power to the unit is provided through the C-Bus network.

PC Interface and PC Interface USB

PC Interface Technical Information

Voltage Requirements	15 – 36 Vdc @ 32 mA required for normal operation, drawn from the C-Bus network
Electrical Isolation	500 V RMS continuous C-Bus/RS-232
Status	Unit/Comms: Unit power and data transmission
Indicators	C-Bus: Power levels and presence of C-Bus clock
Serial	(1) 9-pin RS-232 D-type serial connector
Port	(2) RS-232 RJ-45 connectors
Cable	6.6 ft. (2 m), with DB9 connectors
C-Bus Connection	(2) RJ-45 sockets for connection to a C-Bus network
Dimensions	72 mm (H) x 85 mm (W) x 66 mm (D)
Mounting	DIN rail, 4M wide
Serial Termination	0° C to 45° C, RH: 95%, noncondensing
Storage Environment	-10° C to 60° C, RH: 95%, noncondensing

Catalogue Number	Description
5500PC	PC Interface

PC Interface USB Technical Information

C-bus input voltage	15 – 36 Vdc
Current drawn	22 mA
Electrical isolation rating	500 Vrms continuous C-Bus/RS232
Communications	USB Type A to B
Operating temperature	0° C – 45° C
Operating humidity range	95% RH; non-condensing
Terminals	C-Bus, RJ45 connectors (2), USB to PC
Dimensions	72 mm (L) x 85 mm (W) x 66 mm (D)
Weight	104 g

Catalogue Number	Description
5500PCU	PC Interface, USB Model

Product Features

- Unit/Comms LED shows the status of the unit's power and of any data transmissions
- C-Bus LED shows the status of the network at the unit, including the level of network power and the presence of the C-Bus clock
- System network clock for synchronising communications data
- PC Interface: Three RS-232 serial connectors for connecting to a PC or to external devices: (1) 9-pin D-type serial connector (female) and (2) 8-pin RJ-45 connectors.
- USB Model: USB (B-Type) Connector
- Two C-Bus network connector ports: RJ-45 sockets
- Data cable for connecting PCI and personal computer, including DB9 connectors

C-Bus network bridge

The C-Bus Network Bridge provides a communication channel between C-Bus units on separate networks, expanding the total number of units that can be configured, controlled and monitored.

Network Bridge

Technical Information

Voltage Requirements	15 – 36 Vdc @ 18 mA required for normal operation, drawn from each connected C-Bus network
Electrical Isolation	3.5 kV RMS for 1 min (between networks)
Status	Network A, Network B
Indicators	Power ON, Communications in progress Power OFF, Not connected/insufficient power
Propagation Delay	250 ms (delay for message transfer between two adjacent C-Bus Networks)
Interconnect	In parallel: 51 networks (50 network bridges)
Capacity	In series: 7 networks (6 network bridges)
C-Bus System Clock	Software selectable
C-Bus Network Burden	Software selectable
C-Bus Connection	(2) pair of RJ-45 sockets for connection to C-Bus networks
Dimensions	72 mm (H) x 85 mm (W) x 66 mm (D)
Operating Environment	Temp.: 0° C to 45° C RH: 95%, noncondensing

Catalogue Number	Description
5500NB	Network Bridge

Product Features

- Increases transmission distances by acting as a repeater station for data transmission
- Expands the total number of C-Bus devices that can operate on the system by isolating devices to individual networks [In parallel: 50 networks (50 network bridges) In series: 7 networks (6 network bridges)]
- Indicates each network's status level
- Stores operating status in non-volatile memory for recovery from a power outage
- Uses built-in connectors to connect to a C-Bus network

C-Bus power supply

The C-Bus Power Supply is specifically designed to operate with the C-Bus network as a power source for passive C-Bus devices.

The power supply mounts to a DIN rail and connects to the C-Bus network through built-in RJ-45 connectors.

These devices are UL listed as Class 2 power supplies and are suitable for parallel operation. Up to five power supplies can be connected to a single C-Bus network.

Power Supply

Technical Information

Nominal Line Voltage	Operates at 277 Vac, ±10%, with a frequency range from 50
Electrical Isolation	3.75 kV RMS from C-Bus to the line
Current Output	350 mA to the C-Bus network
Status Indicators	Unit: Unit power C-Bus: Network voltage level and presence of system clock
Power Supplies per Network	Up to five power supplies on a single C-Bus network
C-Bus Connection	(2) RJ-45 sockets for connection to the C-Bus network
Cable	(1) 15.75 in. (400 mm) patch lead included
Dimensions	85 mm (H) x 72 mm (W) x 66 mm (D)
Mounting	DIN rail, 4M wide
Weight	200 g
Operating Environment	Temp.: 0° C to 40° C Environment RH: 95%, noncondensing
Storage Environment	Temp.: -10° C to 60° C Environment RH: 95%, noncondensing

Catalogue Number	Description
5500PS	277 Vac Power Supply

Product Features

- Regulating power supply compensates for line voltage and frequency variations, so there is constant output
- Sources up to 350 mA to the C-Bus network
- Incorporates short circuit and reverse polarity protection
- Indicates the line voltage status with a Unit LED
- Indicates the network status, including the network power and the presence of the C-Bus clock, with a C-Bus LED
- Standard built-in C-Bus network connectors: (2) RJ-45

C-Bus pascal automation controller

The C-Bus Pascal Automation Controller (PAC) provides extended conditional and real-time event programming to C-Bus systems. The PAC supports a full range of programming commands including conditional logic, flow control, variables and scheduling.

Systems integrators will appreciate the built-in scheduling tools, scene tools, and wizards for creating basic logic programs. Full programming capabilities can be achieved utilising the free-form script editor based off the PASCAL programming language.

The PAC directly connects to a wired C-Bus system. Programs are downloaded from a personal computer through a USB connection.

Pascal Automation Controller

Technical Information

C-Bus Supply Voltage	15 – 36 Vdc @ 32 mA Drawn from the C-Bus network
RS-232 Supply Voltage	24 Vac @ 20 mA (power source not provided)
Battery Backup Supply Voltage	12 Vdc @ 30 mA (power source not provided)
Connections	2 C-Bus RJ-45 sockets (in parallel), 2 RS-232 RJ-45 sockets, 1 USB type B socket, screw terminals for 12Vdc battery and 24Vac power
C-Bus System Clock	Software selectable
Network Burden	Software selectable
Status Indicators	Unit/Comms, C-Bus, Status and User
Dimensions	72 x 92 x 63 mm
Weight	150 g
Mounting	DIN 4m wide
Operating Environment	0° C to 45° C 10% – 95% RH, noncondensing

Catalogue Number	Description
5500PACA	Pascal Automation Controller

Product Features

- Conditional and real-time events programming for C-Bus
- Connects directly to C-Bus network
- Powered from the C-Bus network
- USB port for connection to personal computer
- (2) RS-232 ports for third party device control
- Real time, astronomical and C-Bus system clock included with 24 hour internal capacitor backup and external 12 Vdc battery terminals

Programming capabilities including:

- Conditional logic (if, then, and, or, not, etc.)
- Flow Control (for, repeat, while)
- Variables (integer, real, Boolean, character, string)
- Control and monitoring of group addresses
- Control and monitoring of scenes

C-Bus 2 channel DALI gateway

The C-Bus Digital Addressable Lighting Interface (DALI) Gateway provides an isolated two-way communications path between a C-Bus network and two DALI networks, making it possible to use the C-Bus network to control and monitor DALI ballasts.

The DALI gateway constantly monitors both DALI networks and can detect and report faulty lamps in fluorescent ballasts or non-functional DALI ballasts.

DALI Gateway

Technical Information

Nominal Voltage Requirements	15 – 36 Vdc @ 32 mA, drawn from the C-Bus network
Electrical Isolation	3.75 kV RMS, from interface to C-Bus network
Number of Units per Network	Use the C-Bus Calculator, a software utility, to determine the total network current load
C-Bus Connections	Built-in RJ-45 sockets (2) for connection to the C-Bus network
DALI Connections	Two screw-type terminal blocks accommodating 16 – 12 AWG cable (2 x 1.31 mm^2 or 1 x 2.5 mm^2)
Cable	400 mm patch lead included
Status Indicators	Unit/Comms: Unit power and data transmission C-Bus: Power levels and presence of C-Bus clock
Dimensions	85 mm (L) x 72 mm (W) x 65 mm (H)
Weight	130 g
Mounting	DIN rail, 4M wide
Operating Environment	0 ° C to 45 ° C RH: 95%, noncondensing

Catalogue Number	Description
5502DAL	Two-Channel DALI Gateway
5502DALPS	Daii Gateway with power supply

Product Features

- Provides two-way communications between C-Bus and DALI networks, routing selected messages from one to the other
- Unit is transparent and invisible to DALI ballasts
- Pre-programmed C-Bus to DALI and DALI to C-Bus addressing structure
- Unit/Comms and C-Bus LEDs show the status of data transmissions, the unit's power, the C-Bus network's power and the presence of the C-Bus clock
- Software-selectable network burden and network clock
- Standard built-in C-Bus network connectors: (2) RJ-45
- Non-volatile memory to store operating status for recovery from a power outage
- Receives data and power over the network, so the unit does not require power packs or line-voltage connections

C-Bus DMX gateway

The C-Bus to DMX One Way Gateway converts up to twelve received lighting group address/levels to DMX-512-A data and then transmits the data to a connected DMX-512-A network.

Using the DMX Gateway, C-Bus can control the following DMX-512-A based devices:

- LED lighting controllers that include control inputs for dimming and colour mixing
- Strobes
- Fiber optic lighting
- Fog machines
- Animated characters
- Motorised fixtures

DMX Gateway (SLC5500DMX)

Technical Information

DMX protocol	DMX 512-A
Maximum length of DMX cable in network	455 meters
Maximum number of units on a C-Bus network	30
C-Bus input power	15 – 36 Vdc, 65 mA, class 2
DMX output	6.4 Vpp, 12mA, class 2
C-Bus AC input impedance	40 kΩ at 1 kHz
Electrical isolation	2500 V between C-Bus and DMX
Mounting type	DIN rail, 4M wide
Connectors	2 RJ-45 for C-Bus network 1 Screw terminal block for DMX** 1 XLR 5-pin female panel connector on the DMX cable assembly
Weight	121 grams
Operating temperature	0° C to 45° C
Humidity	10% to 95% non condensing

*** Do not connect the DMX Gateway between other devices. The DMX Gateway must be at the Position 1 on the DMX network. Use a daisy-chain configuration.*

Catalogue Number	Description
5500DMX	C-Bus to DMX One Way Gateway

Product Features

- Enables one way communication between C-Bus and DMX-512-A networks
- Custom-configurable address mapping. (One C-Bus address can control multiple DMX 512 slots)
- Draws power from the C-Bus network
- LEDs display the status of the power, communications and the C-Bus network
- Remote Override (ON and OFF) options
- Software-selectable network burden and network clock
- Two standard built-in C-Bus RJ-45 network connectors
- Non-volatile memory protects unit against power outages
- Configured by using the C-Bus Toolkit software

C-Bus network analyser

The C-Bus® Network Analyser is a C-Bus® diagnostic tool used in the field for quickly identifying faults in a C-Bus Network

The Network Analyser is connected to the C-Bus® network and is used to measure:

- Excessive or insufficient network voltage
- Presence or absence of a system clock
- Presence or absence of a network burden
- Excessive network impedance.

The device analyses these network parameters and prompts the user for appropriate actions via the LED indicators located on the front of the unit.

5100NA

Technical Information

Input Voltage	10-43VDC
Input Current	20mA
Connections	2 x standard banana plug connections
Operating Temperature Range	0- 45°C
Dimensions	120 x 60 x 28 mm
Standards	AS

Catalogue Number	Description
5100NA	C-Bus Network Analyser

Product Features

- The Network Analyser is a tool used to measure various C-Bus system parameters:
  - Power available
  - Clock signal present
  - Excess voltage
  - Add/remove burden
  - Excess cable indication.
- Measures capacitance, burden, clock signal and network voltage

C-Bus network monitor

The 5500NMA C-Bus Network Monitor is used to detect a failure of the C-Bus network. When a failure is detected, the unit activates the C-Bus Remote On override. This unit does not transmit any data onto the network.

5500NMA

Technical Information

C-Bus Supply Voltage	10-36VDC. It does not provide power to the C-Bus system
Current	18mA
Connections	2 x Loop-in /oop-RJ4 receptacles
Dimensions	72 x 85 x65 mm (vertically mounted)
Weight	95gm
Operating Temperature Range	0- 45°C
Operating humidity Range	10 to 95% RH
Detected Failure Conditions	Network voltage outside the range
	15 to 40V
	No C-Bus clock

Catalogue Number	Description
5500NMA	C-Bus Network Monitor

C-Bus Current Measurement Unit

The C-Bus Current Measurement Unit (CMU) provides the ability to attach split core Current Transformers (CTs) that measure the current in electrical circuits. By specifying the typical voltage of the installation, the CMU can calculate power with a reasonable degree of accuracy and broadcast this information onto the C-Bus network.

The broadcast messages can be used by devices such as touch screens and Wiser Home Control to present the information in a way the user can easily understand. All of the display devices can accumulate the data for up to a two years. They can then present the historical information to the user for comparison with more recent readings. The readings are stored for each measured channel, which can also have a tariff applied to give the user an indication of the cost of their power consumption.

L5504RVF

Technical Information - 5504CMU

Supply voltage	15 to 36V d.c.
Current Requirement	18mA powered from C-Bus. Does not provide power to the C-Bus network
C-Bus AC Impedance	60 K at 1 KHz
Network clock and burden	No network clock or burden provided on this unit
AC impedance	90kW @ 1kHz
Electrical isolation	3.75kV from C-Bus to mains
Maximum number of CTs per Unit	4 x 5100CT80. No other CT type may be connected for safety reasons
Current measurement range	0-40A a.c. or 0-80A a.c. 50/60Hz, software selectable
Connectors	C-Bus: 2 x RJ45 UTP Cat 5e
	CTs: screw type
Indicators	C-Bus and unit indicators
Accuracy	2.5% across full scale on both 40A and 80A ranges
Warm-up time	10 Seconds
Mounting	Din Rail (4 modules wide)
IP rating	IP20
Weight	127gm
Operating temperature range	0° to 50° C
Operating humidity range	10 to 90% RH (non-condensing)
Line voltage and power factor	Not measured by the CMU. Defined by the installer during software configuration

Technical Information - 5100CT80

Measurement range	0-40A or 0-80A, a.c. 50/60hz
Accuracy	2.5% over full range
CTs per CMU	Up to 4 CTs, one per input channel
Calibration	Calibrated in factory, no field calibration required.
Weight	78gm
Operating temperature	0° to 50° C
Construction	High impact plastic case with hinge and clip
Aperture	15mm nominal diameter
Wire lead length	102cm
Dimensions	30 x 43 x 28 mm
Isolation	3.75kV a.c. for 1 minute

Catalogue Number	Description
5504CMU	C-Bus Current Measurement Unit (CMU)
5100CT80	Current Transformer (CT), 80A

Product Features

- Measures and reports a circuit's instantaneous electrical power consumption over C-Bus
- Current monitoring is performed via a split core current transformer (CT)
- 4-channel unit (measure up to 4 electrical circuits per unit)
- Display energy use on C-Bus 6.4" Colour touch screen, Schedule Plus and Wiser Home Control
- Raises C-Bus alerts and warning messages based on predefined thresholds
- Control electrical devices based on predefined thresholds (load shed)
- Can provide confirmation that electrical devices are operating as expected
- DIN rail mounted, 4M wide
- C-Bus supply voltage: 15–36V d.c. @ 18mA (does not provide power to the C-Bus network)
- CT is split core type and measures current between 0–80A (supplied separately

Network cable

The C-Bus network cable is a Category 5, unshielded twisted pair cable specifically developed for use with the C-Bus control network. The cable features a unique pink coloured outer sheath for ease of identification.

The cable is recommended for all C-Bus installations and is mandatory for certified sites. The cable provides immunity to induced noise from external sources and superior crosstalk performance.

5005C305B

Technical Information

Catalogue number	5005C305B
Data Grade Insulation	100 +/- 15 Ohms
Length	305m (boxed)
DC Resistance	<93.8 Ohms/1000m @ 20˚C
Sheath	Coloured PVC (pink), type V75 C, nominal diameter 5.2mm
SRL	24.69dB at 33.11MHz
Power Sum NEXT	53.84dB at 7.59MHz
Construction	4-Pair 1/0.51 (0.2mm2), 24AWG

Catalogue Number	Description
5005C305B	Cable, 4-Pair, UTP, Cat 5, 305m
5005C305BST	Cable, 4-Pair, UTP, Cat 5, 305m standard conductors

Network burden

Catalogue Number	Description
5500BURDEN	Network burden RJ45 (pack of 10)

5500BURDEN

C-Bus Softwares

Introduction to C-Bus Softwares

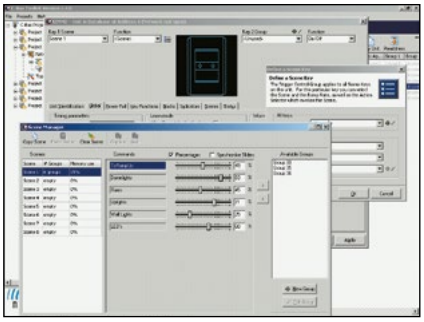
The C-Bus control and management system has a number of PC software based installation tools, application programs and third party development tools available.

It is important to note that the C-Bus system is capable of running without a PC connected, as it utilises a distributed intelligence architecture and therefore requires no central processor, such as a PC, to run. However, Clipsal C-Bus PC based software applications can provide additional features and interface solutions requested by C-Bus system users.

The software-based installation tools allow simple and fast commissioning of a C-Bus system via point and click, Windows™ based Graphical Interfaces.

C-Bus software based development tools allow third party developers to easily integrate software solutions into a real world C-Bus network.

C-Bus Toolkit software



The C-Bus Toolkit software is an application you run on your personal computer to configure and commission C-Bus Installations. This allows our customers to install and support our range of C-Bus hardware products. C-Bus Toolkit is used for commissioning C-Bus Installations by configuring the behavior of installed C-Bus hardware. C-Bus Toolkit also installs C-Gate Server software which can be used as part of a C-Bus control system. This means you can use the included C-Bus C-Gate software as a permanently installed control system for a C-Bus Installation.

Technical Information

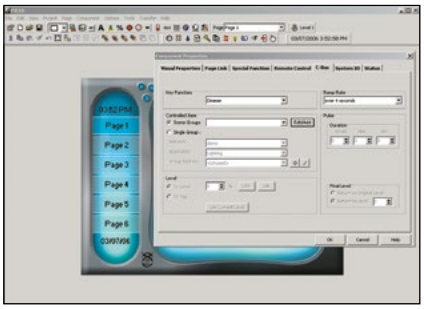
Platform	XP, Windows 7 Service Pack 1), 8 (64 Bit), 8.1 (64 Bit)
Hardware Requirement (Minimum)	Windows XP Professional
	Pentium 4 processor, 1 GHz
	512 MB RAM
	500 MB free disk space

Catalogue Number	Description
C-Bus Toolkit Software	Free Toolkit Software

Product Features

- Connect directly to an installer C-Bus network via a C-Bus PC interface unit to synchronise logical and physical C-Bus customer site data
- Configure the C-Bus network to define the C-Bus architecture of the customer site and ensure C-Bus units can communicate with each other
- Program and commission the customer solution
- Save, backup and restore sites. C-Bus Toolkit has a database for creating and storing customer site programming as projects

C-Bus PICED software



The PICED software is the programming interface for C-Bus embedded devices. It is used to configure following devices to meet the user requirement.

- C-Touch black and white touchscreen
- Colour C-Touch touchscreen
- Pascal Automation Controller (PAC)
- Wiser Home Controller

Technical Information

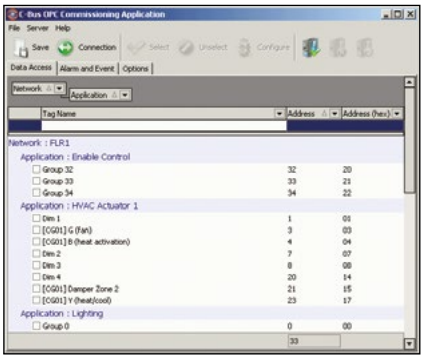
Platform	XP, Vista, Windows 7 (Service Pack 1), Windows 8.1 (64 Bit)
Hardware Requirement (Minimum)	Windows XP Professional
	Pentium 4 processor, 1 GHz
	512 MB RAM
	500 MB free disk space
Plugins & Utilities	Media Player, Wiser Window Meida Centre, Wiser Mobile Phone, C-Bus IP Utility

Catalogue Number	Description
C-Bus PICED Software	Free PICED Software

Product Features

- Display of many components on many pages
- Scenes for the control of many loads together
- Schedules for the automatic control of loads
- Access control to provide security
- Irrigation control
- Widget Manager for Wiser project creation

C-Bus OPC Server software



The C-Bus OPC Server provides an interface between third party software (OPC Clients) and a C-Bus System. The C-Bus OPC Server acts as a gateway for transmitting C-Bus lighting type application information between third party Building Management Systems (such as Honeywell, Johnson, TAC, etc) or Process Control Presentation (SCADA) Systems and a Clipsal C-Bus System.

C-Bus OPC Server USB dongle must be purchased to take the software from an evaluation version to a full working version.

Alternatively, the C-Bus OPC Server is able to recognise licenses manufactured by CITECT (currently only product versions based on the CITECT SCADA Version7 platform and later are supported).

Product Features

- Provides integration between third software and C-Bus sytem
- Compatible with MS windows XP, Windows 7 & Windows 8.1
- Also compatible with SCADA
- Two, ten and unlimited network software licence key options

Technical Information

Platform	XP, Vista, Windows 7 (Service Pack 1), Windows 8.1 (64 Bit)
Hardware Requirement (Minimum)	Windows XP Professional
	Pentium 4 processor, 1 GHz
	512 MB RAM
	500 MB free disk space
Plugins & Utilities	Media Player, Wiser Window Meida Centre, Wiser Mobile Phone,

Catalogue Number	Description
5000SDOPC21	2 network licence dongle for C-Bus OPC Server V1
5000SDOPC101	10 network licence dongle for C-Bus OPC Server V1
5000SDOPCU1	Unlimited network licence dongle for C-Bus OPC server V1

C-Bus Schedule Plus

Schedule Plus application software provides a powerful and easy to use interface to C-Bus via a standard PC. Schedule Plus has been developed specifically for commercial and industrial applications.

It provides scheduling, manual control and monitoring of a C-Bus system from a PC running Windows XP, 7 or 8. A schedule PLUS USB dongle must be purchased to take the software from an evaluation version to a full working version.

Technical Information

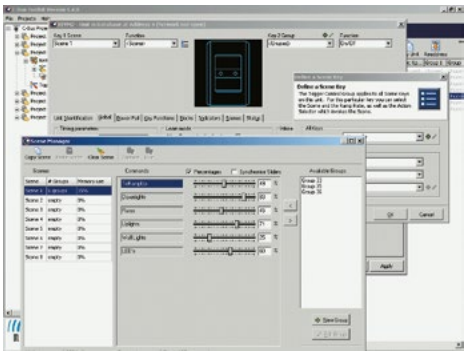
Platform	XP, Vista, Windows 7 (Service Pack 1), Windows 8.1 (64 Bit)
Hardware Requirement (Minimum)	Windows XP Professional
	Pentium 4 processor, 1 GHz
	512 MB RAM
	500 MB free disk space

Catalogue Number	Description
5000SDSP24	2 network licence dongle for Schedule Plus V4
5000SDSP104	10 network licence dongle for Schedule Plus V4
5000SDSP104	Unlimited network licence dongle for Schedule Plus V4

Product Features

- Supports 128 bit encrypted internet connectivity
- Automatic project error checking and reporting
- Connection to C-Bus via Ethernet or RS-232
- Two, ten and unlimited network software licence key options
- Scheduled events can be created, displayed, edited, printed and scheduled daily, weekly, weekdays, weekends and monthly
- Monitoring of load run times, load power and energy consumed
- Page templates and image library
- Event log
- Two modes, Normal Operation or Project Editing Modes
- Individual pages can be password protected
- Application support for HVAC and Security

HomeGate software



The HomeGate application software provides a powerful but simple to use interface to C-Bus via a standard PC. HomeGate provides scheduling, manual control and monitoring of a domestic C-Bus system from a PC running Windows 98, 2000, NT, ME or XP. HomeGate comprises of a project editor, real-time monitoring and control, a real-time scheduler, security and access control and internet access. It also includes help and support documentation.

A HomeGate USB dongle must be purchased to take the software from an evaluation version to a full working version.

Catalogue Number	Description
5000SDHG24	HomeGate application V4 Software c/w USB dongle, 2 network licence
5000SDHG104	HomeGate application V4 Software c/w USB dongle, 10 network licence

Audio Systems

Introduction to Audio systems

The Clipsal C-Bus Multi-Room Audio System provides high quality, distributed, multi-zone audio in a home environment. This flexible system allows different audio sources to be selected in different rooms or zones.

The system is C-Bus Enabled and can therefore be controlled by C-Bus wall switches, touch screens, remote controls or any other C-Bus input device. It can be used as a stand-alone multi-room audio system or can be used in conjunction with C-Bus relays, dimmers and other C-Bus devices to provide an integrated automation solution.

The C-Bus Multi-Room Audio System must be used in conjunction with third party audio source equipment. Audio source equipment is not included in the range.

Audio matrix switcher

C-bus Audio matrix switcher provides with Digital audio distribution technology, for noise free audio reproduction.

Catalogue Number	Description
560884/2E	Audio matrix switcher DELUXE
560884/2	Audio matrix switcher STANDARD

560884/2E

Audio amplifier power supply

Used in conjunction with the C-Bus Audio matrix switcher or the C-Bus Audio Distribution Unit - Controllable via C-Bus input devices, such as C-Bus Wall Switches.

Catalogue Number	Description
560125R/2	25W/Channel (RMS) Stereo Audio Amplifier, C-Bus Enabled, Remote Mount Version
560110R	10W/Channel (RMS) Stereo Audio Amplifier, C-Bus Enabled, Remote Mount Version
5600P24/1250AU	Power Supply for 10W per Channel Remote Amplifier

5600P24

Audio distribution unit

C-Bus Audio Distribution Unit distributes a single stereo audio source to C-Bus Audio Amplifiers via a digitised signal over Cat. 5 cable

Catalogue Number	Description
560011	Audio distribution unit, 1 Stereo Audio Input Source, 1 Digital Output Source

560011

Audio amplifier accessories

These accessories can be bought separately to enhance the C-Bus Audio experience

Catalogue Number	Description
560100E	Blank Filling Enclosure where 480mm width is required, suits 10W/Channel Remote Amplifier
560110MB	Mounting Bracket to suit 10W/Channel Remote Amplifier

560100E

** Not available Ex-Stock*
** Longer delivery lead times*

Accessories	Description
5600P241250	Power Supply to Suit 10W/ Channel Remote Amplifier

Notes

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