



C-Bus Lighting control

The new definition in lighting control



BLISS

**Building
Leading
Integrated
Solutions
& Services**



CLIPSAL
INTEGRATED SYSTEMS

a brand of
Schneider
Electric

C-Bus

The future of lighting control

Are you in control of your lighting? If so, can you link it to other building essentials such as security, access control and heating?
Can you reduce your office light level on a bright, sunny day?
Can you reduce your energy costs at the touch of a button?
Is your building providing a pleasant working environment?



Whatever type of building you are refurbishing, building or simply using, having control over the internal environment is not always easy. However, if it is uncontrollable, you may end up with a 'sick' or uncomfortable building.

This is where C-Bus control and management system comes in.

C-Bus gives you full control of your building lighting and atmosphere at the simple touch of a button or via a web page, accessible from any networked terminal in the building. Based on a simple, extendable, and easy to install solution, C-Bus gives you a platform that ensures you get the best out of your building environment.

C-Bus is a flexible system with endless possibilities. You can align the system with a wide range of products and developments as they are released onto the market. The system is scalable and simplifies your automation and design needs.

If additional controllers are required and cabling hasn't been pre-installed, C-Bus also offers a range of wireless equipment, allowing nearly unlimited expansion of your system.

Reliable high-speed communication.

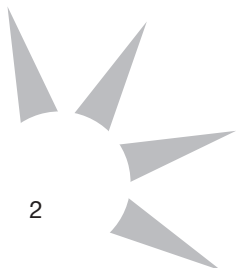
Each unit of the C-Bus network has its own microprocessor, allowing it to operate independently with 'distributed intelligence'. Control information is held in the unit rather than a central controlling point, giving your system a reliable high-speed communication network with redundancy in the event of a single point failure. Clipsal C-Bus is also designed as a duplex communication system, allowing devices to communicate simultaneously with each other.

C-Bus can help you control your lighting and hence reduce your energy consumption.

Simple actions like dimming the lights on a bright sunny day, ensuring all lights are switched off at the end of the working day are all easy ways of reducing your energy bill. Ramping up the light level rather than switching on or off is another facility offered by C-Bus, which reduces the demand on your electrical network. C-Bus allows you to do all this and more either manually or via an automated programme.

C-Bus gives your building a 'wow' factor that will add to the overall impression.

Finishing touches are often neglected in a building but adding a 'little something' to your building will leave a strong visual impact on the occupants and visitors. C-Bus offers a range of switches, screens and sockets with a difference.





The new definition in lighting control

The weather has an impact on the lighting level within your building but also on other factors like the temperature, ventilation, air conditioning and insulation.



Integration by approved specialists

Building Leading Integrated Solutions & Services operates an approved partner programme providing training and support to a network of integrators across SA.



Part of an integrated solution

The Clipsal C-Bus system is one of the building blocks of Building Leading Integrated Solutions & Services, providing integrated service of supply for intelligent buildings that represent the next giant step forward in technology.

By counterbalancing or using the influence of the external environment on your building to your advantage, you can reduce your energy consumption and create an ideal environment for its occupants and visitors.

C-Bus, via the installation of sensors that detect light level, occupancy and temperature, gives you the capability of controlling your building environment in relation to the external factors, hence making it a more pleasant place to work or relax.

By combining the Clipsal Integrated Systems C-Bus offer with other products from Schneider Electric BLISS, you will be in full control of not only your building environment, but also your energy consumption, preparing yourself for any future regulation of energy consumption due to environmental effects.



C-Bus

A fully scalable solution



If your requirements are for the control of one room in a residential environment or a full lighting solution for a stadium or even an open-plan office, C-Bus can be scaled to fit your needs. All this with a common platform and easy installation practices.

The system can also be re-programmed to suit whatever change of use is made to the building. You can, with minimal reprogramming work, via one of our approved integrators, re-assign the control of an open plan office to a series of single occupant cubicles with no re-cabling required.

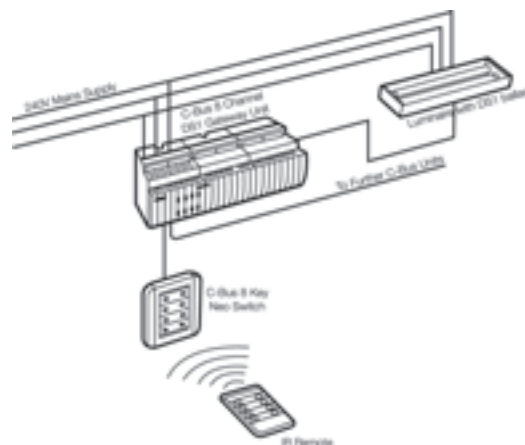
'Introducing new lighting management systems has delivered us substantial energy savings at each of our plants... Most importantly, we are able to integrate the new lighting controls with our different plants' needs, ensuring we can achieve optimum performance.'

Colin Hastwell Coca-Cola Amtil's Senior Project Engineer

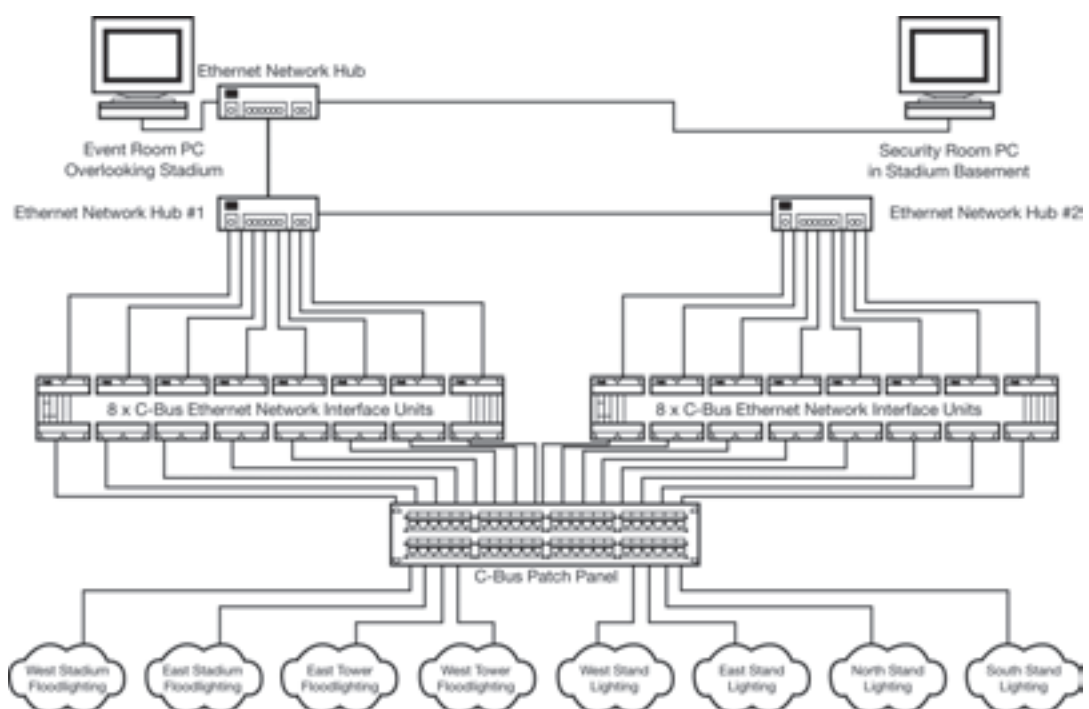




from a single boardroom...



to a full stadium



C-Bus

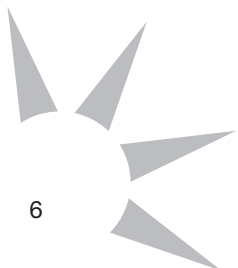
A flexible product



Having multiple systems to manage is always an issue for facility managers. C-Bus offers a common platform for your lighting control but can also be linked into the HVAC, power monitoring and energy metering.

All these controls are visible on a common platform using a standard web browser, empowering you to easily capture the status of your building and to take action if required.

C-Bus integrated systems can also offer the traditional local switch, giving the various users a level of control on their environment as well as authorising an overall control for the facility managers.



A reliable product



With 11 years experience in the development and manufacturing of components and software, C-Bus is one of the leading manufacturers in the field. One of our key success factors on projects is the reliability of our products.

'In six years of installing C-Bus, I have never been called back on a job for a faulty product.'

Ian Mickle System Integrator

Combined with today's constantly changing world of technology and the rapid acceptance of these new technologies, we see an unsurpassed level of enthusiasm and dedication by those at Clipsal Integrated Systems. The Research and Development division of CIS engage in review processes to ensure the seamless integration of its product range to these emerging technologies and in turn pushes the boundaries of technology to new limits. C-Bus, the flagship and foundation of the Clipsal Integrated Systems portfolio, has astounded its peers and impressed wider electrical and building industries with its powerful capabilities, yet remarkable simplicity of design and operation that have paved the way for market acceptance of the product globally.

Developing the most innovative product designs is one thing, being able to manufacture and supply those products to the market is something else entirely. Whilst technology and engineering expertise is a vital part of Clipsal Integrated Systems, equally important are the achievements of a multi-skilled, continuously trained work force of component assembly personnel, together with another dedicated team charged with the responsibility of all aspects of the manufacturing process. Clipsal Integrated Systems' manufacturing facility is accredited to ISO9000 and undertakes comprehensive assembly activities, incorporating the latest techniques and technologies.



C-Bus

Add the 'wow' factor to your building



The new range of switches, Reflection™, Neo™ and Saturn™, will enhance your design, giving your building the 'wow' factor.



Designed by architects and interior designers, these premium models are a key part of the C-Bus control and management system, allowing the control of any electrical device connected to the C-Bus system including lighting, climate control, security and more.

The C-Bus touch screen is another 'original feature' of the C-Bus offer. It is a wall mounted, touch sensitive LCD screen that can display pages of graphical items, such as buttons, sliders and images which perform a C-Bus related function when pressed. It also includes a real-time clock for automatic scheduling of events. The touch screen also allows control via infrared hand held remote units.

These developments are fulfilling a niche in the automation market, making it more attractive and interactive, resulting in a greater acceptance of a complete integrated system in both the commercial and residential market.

The Neo™ and Saturn™ switch systems have also won some AEEMA and IF design awards for their design and functionality.



*Easy to control and simple to install,
automation has never looked better*

Success stories



Imperial War Museum Manchester

The underlying concept for the Imperial War Museum was derived from the shattered pieces, or shards, of a shattered globe, leaving three major shards left lying. Libeskind has used three distinctive shapes to represent the elements of earth, air and water. Visitors enter through the 'air' shard which is 55m high and open to the elements. It houses a viewing platform at 29m, with spectacular views across the Manchester Shipping Canal to Manchester City Centre.

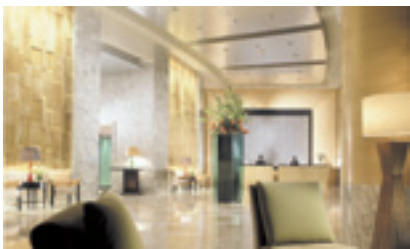
When it came to bringing such a unique and contemporary building such as the museum to life, the project designers chose to install an intelligent control and management system from Clipsal Integrated Systems that performs a number of lighting tasks both inside and outside the building.

Features	Benefits
Scene control	Provides specific lighting for different areas and occasions without the need for additional wiring.
Central control	Easy, centralised control via Scene Master wall unit.
Local scene control in specific areas	Local control of toilets and corridors via PIR movement sensors.
PIR's and light level sensors	Greatly reduces energy costs.
Local overrides	Provides fail-safe modes/overrides of system.



C-Bus

Success stories



Five Star Automation Kuala Lumpur

Accommodating 384 rooms, including 23 suites and 68 one and two-bedroom executive residences, the hotel's design is contemporary and sleek. It also houses 13 function rooms and 6 innovative restaurants offering various cuisines. Given the extent of the building's electrical

system – 26 areas on 700 circuits – there was no doubt that an automated system would be required to allow the vast control of lighting, along with setting and scheduling of different lighting scenes in zones. Clipsal's C-Bus control and management system was specified, based on its proven

performance record, local support availability and local stock. C-Bus Neo touch screens, Neo switch plates and architectural dimmers create the precise moods required yet it allows staff to change scenes for different events.

The Benefits of C-Bus control

Reduces lighting and energy costs

Enables the setting and scheduling of different lighting scenes

Easy execution of lighting

Flexible, adaptable and extremely user friendly

Eliminates the risk of human error

24 hour back up support in the event of an outage

Low maintenance system



To discuss your requirements with a C-Bus specialist call 011 254 6400

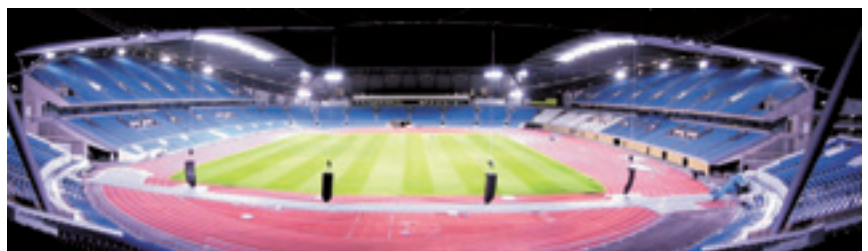


Manchester City Football Club

The magnificent City of Manchester Stadium was the centrepiece of the XVII Commonwealth games 2002, hosting the athletics and rugby sevens competition as well as the spectacular opening and closing ceremonies. Following the games, the stadium became home to Manchester City FC for the 2003/4 Premier League season and beyond. The new stadium provides seating for 48,000 people and state-of-the-art corporate entertainment facilities. The unique bowl design means that every spectator will be within 100 metres of the centre spot.

As one of the world's most flexible and comprehensive building automation solutions, C-Bus was selected. The flexibility of the system allows it to control lighting, door access, lift control, security, heating and ventilation packages.

Features	Benefits
Scene control	Can provide specific lighting for different events – eg. concert, football, track and field without additional wiring. Can be performed by Building Manager.
Central control	Control buttons can be made 'on the fly' from a PC. Individual buttons can be password protected eg. general control.
Local scene control in specific areas	Local control of toilets out of event mode. Local control of PIRs out of event mode. Areas that are only occupied for short periods of time. eg. banquet halls.
Control can be duplicated	Control can be provided from several locations – eg. security room, event control room and facility manager's room for added convenience.
PIR's, PE cells and push buttons	Greatly reduced energy costs.





Call the National Call Centre on
011 254 6400

Regional Customer support centres

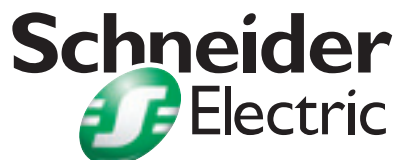
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