



5000CL Series

C-Lution is an end user software application that provides a complete solution for real time control and monitoring of Clipsal C-Bus using clear and concise graphic images.

C-Lution provides a software platform on which a customisable, graphical Windows interface to a C-Bus system can be built. A multi-windowed, point and click environment can therefore be designed and tailored to completely suit individual clients' requirements.

The user can create sophisticated animation to display the operating status and performance of the electrical services in the premises. A history log ensures that specified parameters and events are logged with historical and real-time trending available in graphical form. C-Lution can be used to produce periodic and event driven reports.

C-Lution can be used to monitor, control and log all alarms. The integrity of the installation may be tested by C-Lution. An alarm can be programmed to alert the user if a C-Bus device is removed or added to the system.

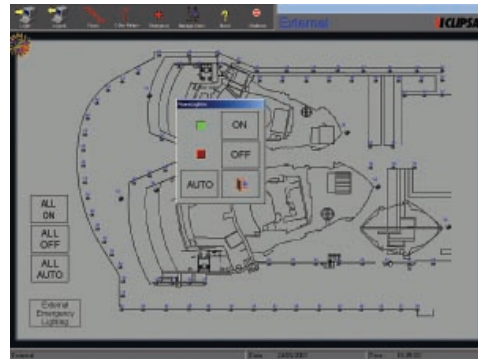
The user can also program a multi-layered security system that allows personnel access to the areas of a building's electrical services within their control.

The C-Lution package includes a driver library to interface with proprietary equipment such as Building Management Systems (BMS), Programmable Logic Controllers (PLC), Remote Terminal Units (RTU), etc. Over 130 protocols are available upon request.

The Clipsal C-Lution environment is primarily based on a Client/Server architecture allowing for a bundled purchase of both server based licenses and client display licenses. Client licenses are operable through TCP/IP network connections allowing for advanced central systems monitoring and information gathering.

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- Clipsal C-Lution and C-Bus together can be used for:-
 - Lighting control and monitoring
 - Simple ON-OFF control
 - Dimming
 - Scene Setting
 - Time Scheduling
 - Graphic control interface for building managers, security personnel, etc.
 - Integrated Energy Management
 - Load Shedding
 - HVAC control
 - Report generation
- The number of graphic displays possible is only limited by the available PC hard disc capacity, not by the C-Lution.
- Graphic display pages are capable of displaying up to 1000 variables, with real-time updates of less than one second (for all data to appear or change on the page).
- It is possible to display other graphics pages by selecting 'screen targets', and to automatically display any screen based on the condition of a variable.
- The graphics can consist of dynamic objects built from lines, rectangles, ellipses, pie slices, text, etc. All dynamic objects can have a number of dynamic properties assigned to them.
- C-Lution supports full screen, live camera video images and video from disc (MPEG, AVI) concurrently with screen displays with no interruption to data collection.
- The software has the ability to directly import graphics and text in file formats such as Autocad DXF, BMP, WMF, GIF, TIF and PCX.
- The software provides an integrated, high level language and is multi-tasking, multi-threading and pre-emptive.
- The software supports an unlimited number of users. For each user, it is possible to define a password and the privilege level(s) and areas that are available to that user.
- The software does not limit the number of Alarms. The software monitors variables and calculated conditions, and determines if the variable is in an alarm condition.
- The software is capable of logging historical data. Each file contains up to one year of historical data.
- The C-Lution Software can perform report generation, scheduling and management.
- The software permits reports to be scheduled for a specific time of day, on a periodic basis or upon operator request, or event initiated (e.g., lights OFF).
- The software supports logging of all operator actions to disc, printer or screen.
- A utility is included to back-up or restore an entire database including all graphic displays and configuration data.
- A time scheduling module is available for C-Lution to allow events to be generated automatically based on the time of day, week or month.



Head Office

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

International Enquiries

Head Office Export Department

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

New Zealand

Clipsal Industries (NZ) Ltd
Telephone +64 9 576 3403

Malaysia

Clipsal Integrated Systems Sbn Bhd
Telephone +60 3 7665 3555

Singapore

Clipsal Integrated Systems Pte Ltd
Telephone +65 266 1998

Hong Kong

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

China

Clipsal China Limited
Telephone +86 755 246 1122

Taiwan

Clipsal (Taiwan) Co Ltd
Telephone +886 2 2558 3456

Thailand

Clipsal Thailand Ltd
Telephone +66 2 952 5338

South Africa

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

United Kingdom

Clipsal Ltd (UK)
Telephone +44 1494 521 111

Greece

Clipsal Hellas S.A.
Telephone +30 1 0993 9165

