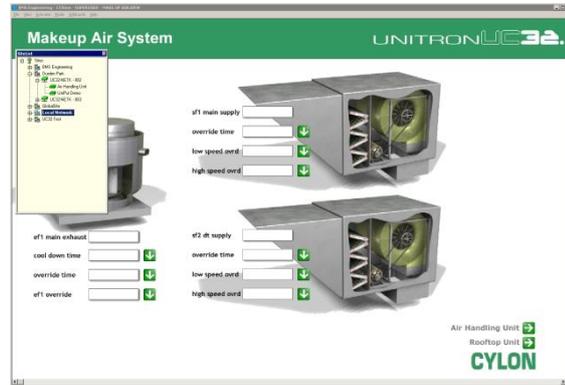


Unitron Command Centre

Unitron Command Centre is a set of software applications that act as an easy-to-use interface for UnitronUC32 Field Controllers and Network Controllers on a BMS site.

The Unitron Command Centre is designed to allow building supervisors to check and adjust control setpoints, as well as view or change calendars and time schedules. Powerful data logging and alarm management features enable the performance of main plant and field controllers to be fine-tuned with ease. Alarms can be automatically sent by email or SMS to key personnel for instant attention.



- Displays real-time graphic view of your Site

- Manage complex sites through simple graphical interface

- View and set Datalogs, Alarms and Time schedules

- Compatible with all Unitron and UnitronUC32 controllers

- Provides secure user-level access

The Unitron Command Centre is part of the UnitronUC32 range of products, which offers the following benefits:

Unique Flexibility with UniPut™ I/O

The UnitronUC32 range uniquely presents UniPut I/O, a revolutionary answer to flexible point configuration, offering maximized utilisation of controller capacity along with flexibility in strategy changes. Built on a modern, web-based architecture, the UnitronUC32 range has a wide application scope with the flexibility of being stand-alone or network enabled. Easily customisable, the UnitronUC32 range has optional internal or external keypads for a powerful yet user-friendly interface, matched by extensive monitoring and logging capabilities.

The right integration at the right level

The Unitron UC32 solution provides a wide choice of integration options including BACnet, Modbus, M-Bus, KNX, and OPC. Cylon's philosophy is to provide an open system that is truly future proof. With Modbus, M-Bus and KNX, Cylon offers high performance Fieldbus integration. BACnet is the international standard that provides peer to peer integration over TCP/IP. OPC Server extends UnitronUC32 integration beyond building services.

FEATURES

Real-Time Displays

Graphic screens can be developed using any drawing package capable of generating a **BMP** file format.

- Supports the use of scanned pictures.
- Supports animated graphics
- Graphic screens can access objects for text, real-time values, logs, graphs, schedule objects, and links to other graphic screens
- Modifying common application objects, such as set points can be done graphically
- Commands to start and stop binary objects can be done by clicking the selected object and selecting the appropriate command from the pop-up menu. No entry of text required



Browser-like Functionality

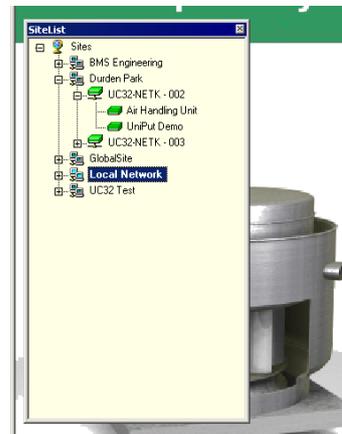
For ease of navigation, hyperlinks within the Real-Time display allow an operator to perform tasks with a minimum knowledge of the HVAC Control System and basic computing skills.

Links can also be provided to external HTML pages, **Word Documents** or **Adobe Acrobat PDF** files - for example operating and maintenance manuals.

"Tree" view

An explorer-like 'tree' display is available for quick viewing of, and access to, the hierarchical structure of the system database.

With this tool the structure is immediately obvious, and users can navigate to remote sites, select drawings, call datalogs etc. from any point within the UnitronUC32 system.



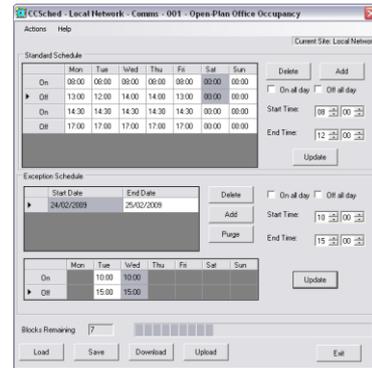
Text View

The **Command Centre's** text view gives direct access to system values and adjustments. This allows the system to be supervised effectively without graphics.

Scheduling

Events within the UnitronUC32 system can be triggered according to internal **Time Schedules**.

The **Unitron Command Centre** controls UnitronUC32 scheduled events using a **Schedule Planner** application for individual time zone control, and a **Time Schedule Manager** for grouping of schedules.



Reporting

The Unitron Command Centre includes a reports package for collecting data and processing reports.

Reports can be time, date or event triggered. This means that historical data can be built up automatically, and external applications can be run to create complex reports in any format.

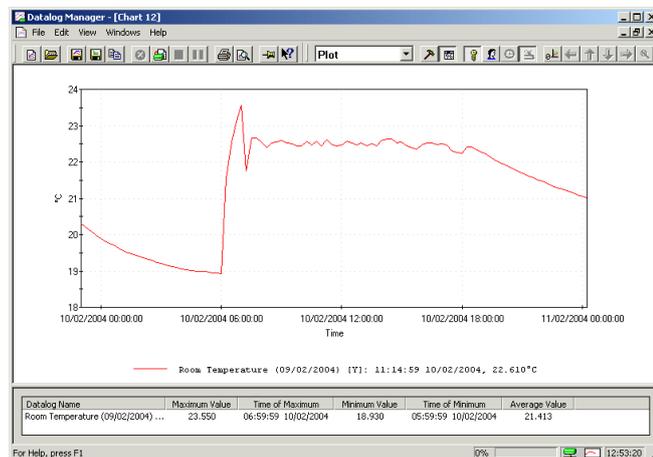
Historical data can also be exported to data analysis or metering applications, and can be stored as CSV or ODBC / SQLServer format

Export to Weblink

Unitron Weblink allows UnitronUC32 sites to be supervised from any Web browser over **TCP/IP**. **Weblink** interfaces can be created by automatically exporting a completed graphical user directly from the **Unitron Command Centre** - using one simple 'Save as HTML' command. This allows a web-enabled supervisory system to be created quickly and easily.

Datalog display

- 6 graphs per window
- Optional statistics window for all on all charts. This includes min value, max value, average value and standard deviation.
- Charts can be exported in **JPEG** format for use in reports.
- Graphs can be viewed as 2D or 3D bar and pie charts.
- Multiple charts can be compared in text format.

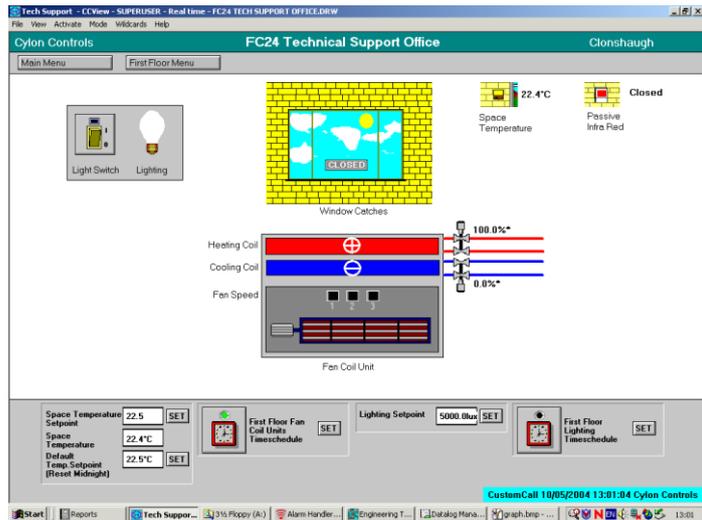


Security

- A user must provide a username and password in order to gain access to the system. This defines the user's access for viewing and/or changing system conditions.
- Operator is automatically logged off if no keyboard or mouse activity is detected.
- All system security data is stored in an encrypted format.

Generic Drawings

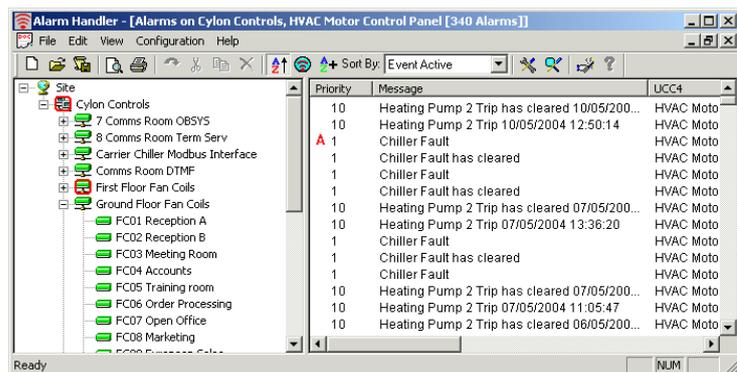
A single graphic can be set up so that it can be redirected to any one of several controllers - deal for Fancoil and VAV applications, where a single plant drawing can be used to supervise many pieces of equipment throughout a site.



Alarms

The system automatically monitors the operation of all workstations, network connections, building management panels, and controllers. The failure of any device is notified to the operator by an Alarm message.

- The Alarms window notifies the operator of an alarm condition, and allows the operator to view details of the alarm and acknowledge the alarm.
- Different **alarm** priorities can be displayed in different colours.
- A graphic screen can be displayed when an alarm occurs.
- With a single click, **Alarms** can be sorted by priority, time of event and where the alarm occurred.
- A "tree" of areas is available to allow the user to easily drill down to alarms in a specified area.
- Alarms can be transmitted to a Pager or to a mobile phone, using SMS.



Connection

The Unitron Command Centre communicates with the UnitronUC32 controller network locally via either RS232 or Ethernet TCP/IP connections.

Remote sites can be integrated using Modem and/or WAN (TCP/IP) connection, including dial-back alarms.

The Command Centre can also has a Client-Server option, allowing it to connect to other Command Centre installations.

SYSTEM REQUIREMENTS

Minimum PC	Core 2 Duo E6300, 1Gb RAM, 80Gb hard drive.
Recommended PC	Core 2 Duo E6600, 2Gb RAM, 160Gb hard drive.
Operating System	Windows 10 Professional 64-bit & Windows 7 Professional /Enterprise/Ultimate 64-bit.