

Energy Management & Automation

A sophisticated lighting control system can provide significant cost savings in any environment; from office towers to scientific laboratories, to sports fields and stadiums. The Dynalite energy management solution is a building block approach – start with basic on/off control and incorporate dimming, time-based control and powerful monitoring and reporting solutions to provide the ultimate in energy conservation.

Monitoring, Detection & Time Control

A holistic approach to energy management provides a range of control strategies. 'Harvest' available daylight and adjust artificial lighting to suit, shut down lighting in unoccupied areas and use timeclocks to trigger time-specific 'events'.



Relay Control

It's fair to say that the cheapest light to run is one that is turned off and Dynalite's unrivalled range of relay controllers provide switched on/off control of all load types. In addition, these devices have the intelligence to rotate lamp usage in order to equalise lamp operating hours and reduce maintenance costs.



DDRC1210FR

With 12 x 10A channels, the DDRC1210FR contains a "feed through" power circuit design and is electrically equivalent to a 12-pole contactor, with the additional advantage of each pole being separately controllable. The device is DIN rail mountable and designed to be installed in a switchboard next to the circuit breakers feeding the circuits to be controlled. Each channel is fitted with a hardware override switch which is accessible from the front panel.



DDRC820FR

Featuring the same hardware design as the DDRC1210FR, this device incorporates 8 channels of heavy duty relay control, perfect for switched control of large loads. All Dynalite DIN rail relay devices incorporate the amazingly robust H-armature relays manufactured by Gruner, providing superior reliability and life.



DDBC320-DALI

Dynalite's DDBC320-DALI controller is a superior solution; an integrated scene controller, DALI interface, DALI power supply and relay controller all-in-one. The compact 12 unit DIN rail mounted device is capable of individual control of up to 192 DALI ballasts, across three full DALI universes, without any peripheral devices.



DDBC1200

The ideal solution for base build applications, or where independent luminaire control is not required, the DDBC1200 has 12 independent output channels, selectable to DSI, 0-10V or DALI broadcast. It provides cost effective control of up to 100 DSI high frequency fluorescent ballasts and DSI dimmable transformers. The device can also be linked to a separate relay module for control of 1-10V HF fluorescent ballasts.



DUS704C & DUS704W Multi-Function Sensors

These sophisticated multi-function sensors, available in ceiling (C) or wall (W) mount options, provide a range of control technologies in the one device. The sensors include a passive infrared (PIR) motion sensor that detects the presence or absence of motion and adjusts light levels to suit, in addition to a photoelectric (PE) cell, which measures the available ambient light and dims or raises artificial lighting to a suitable level. An inbuilt infrared (IR) receiver provides a manual override, as remote control devices can be used to send commands, giving control back to the user.



Timeclocks

In energy management applications, timeclocks are used to trigger specific 'events' according to the time of day or week. They can also be used to set the operating mode of other devices, such as DUS704 sensors, to give priority to IR, PIR or PE facilities, depending on application requirements. All Dynalite timeclocks feature sunrise/sunset tracking and automatic daylight saving adjustment.



DTC602 & DTCE602

An astronomical timeclock with powerful macro and conditional logic functions, the DTC602 range can be programmed and operated remotely via a PC or via the front panel LCD display and keypad, which incorporates a PIN password to prevent unauthorised adjustment.



DDTC001

The DDTC001 is a tamper-resistant DIN rail mounted embedded timeclock, designed primarily for back-of-house installation. All functions are programmed via a PC, with no external controls available, to prevent disruption to device operation.



DDNI-LON

In office energy management applications, connection to a building management system (BMS), such as Echelon Corporation's LON network, is desirable. Dynalite's DDNI-LON provides a LON single point interface to a Dynalite control system. Multiple DDNI-LON devices can be cascaded together to accommodate larger or more complex DyNet networks.



DNG100BT

The DNG100BT supports the TCP/IP protocol, with static or DHCP assigned IP addressing, providing integration between Dynalite and Ethernet. The DNG100BT contains an integral webserver, providing browser based control scenarios via PCs in an office application.

Software & User Controls

Dynalite's suite of software products combine intuitive user control features with powerful monitoring and reporting facilities, providing the ultimate energy management solution.



DLight III Server

DLight III Server provides high-level integration and control options to Dynalite's DyNet network via Ethernet. The DyNet network is connected to a server PC's COM or USB port and information is exchanged via client software running on the server PC or clients connecting remotely over the Ethernet network using TCP/IP. Integration to other services is made simple via the use of a set of calls for an industry standard DCOM interface. It is an inexpensive solution for providing occupants of open plan office space with control over their local environment.

TrayPan, client software provided with DLight III Server, resides in the tool tray of desktop PC's and uses the existing LAN to communicate with DLIII Server. It enables an occupant to control the switching and illuminance level of his or her workstation without leaving the desk.



DLIII MapView

The front end of our powerful software is a user-friendly master configuration, control and reporting tool that utilises site floorplan backdrops for intuitive navigation. It allows preset scenes to be easily navigated and provides a true reflection of system status in real time. Smart icons automatically reflect the status of each device as it monitors individual fixtures for early detection of lamp failures and calculates lamp run times etc. Control areas can also be easily reconfigured using simple mouse framing techniques.

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Reduced Costs
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