

From educational centres, to busy offices or industrial sites EcoControls has the power to deliver the flexibility and control needed to meet the toughest demands placed on sustainable lighting installations.



DALI Controller



Ethernet Processor Module



MultiSensor



Control Plate



Web Control & Monitoring

EcoControls

EcoControls is an exciting new division of Mode Lighting (UK) Limited. Control systems designed specifically to meet the challenges of sustainable building design in the commercial sectors.

The need to tackle increasing energy costs, a reduction in CO₂ emissions and to deliver flexible lighting solutions for clients requires a new generation of intelligent control systems.

By utilising the Digital Addressable Lighting Interface (DALI) and Mode's M-BUS protocol, EcoControls is able to provide complete lighting control flexibility through individual luminaire addressing, variable sensitivity presence and absence detection and daylight harvesting.

The EcoControls Ethernet web browser provides online control and monitoring and enables interaction with other building control systems. This facilitates EcoControls to be an intelligent partner in an overall building optimisation strategy.

EcoControls are constructed using a modular approach and whether it is our "off the shelf" control panels or a bespoke design, the installation and snagging time is greatly reduced. Our straightforward installer friendly test features assist to quickly deliver a fault free, commission ready installation.

Driving Efficiency

Environmental legislation and rating tools such as EPBD, BREEAM, LEED and Green Star are driving efficiencies within the built environment and EcoControls from Mode is the ideal solution for helping to meet these targets and deliver sustainable lighting installations.

For the past forty years Mode have been innovators in Architectural Dimming Systems, Electronic Control Gear and more recently a range of products for LED Assemblies and Dimmable Drivers. EcoControls is the new Commercial Controls division of Mode and builds on the expertise and successful

technology platform developed for Mode's Architectural Dimming Controls business.

Mode's proven M-BUS protocol has been adopted providing access to a vast range of devices and load controllers to suit all control requirements a project may demand. This provides a unique single cross functional platform for Architainment (DMX), Architectural (Mains Dimming) and Commercial (DALI) applications under a single Lighting Management System. DSI and 0-10v are also provided within the system to accommodate for legacy control gear.



Service and Support

EcoControls has been designed using a flexible modular approach. From the "off the shelf" panel designs such as the Area Controller and DALI Controllers to the DIN mounted modules used for bespoke panel designs. This approach allows our experienced team to deliver the very best in sustainable lighting control solutions to suit all projects.

Speed of installation is of great importance. EcoControls makes full use of Mode's M-BUS "Plug & Play" approach and DALI compatibility with pre-fabricated "fast track" wiring systems. The system also features a pre-commissioning test, that

Ethernet provides the building wide network infrastructure and allows graphical browser based control and monitoring of the lighting installation. Connectivity to other control systems such as BMS, HVAC, Fire, Security and Access Control can be achieved by various means across Ethernet, RS-232 or simple contact closure.

MultiSensors providing daylight harvesting along with presence and absence detection enable EcoControls to optimise the buildings natural daylight and efficiently manage light sources, aiding occupants comfort and productivity.



Key Features

- Emergency Light Test and Monitoring
- DALI Feedback – Lamp and Ballast Failure
- PC and Tablet Graphical Web Browser Control and Monitoring
- MultiSensor Variable Sensitivity Presence, Absence Detection, Maintained Illuminance and IR Override
- M-BUS Cross Functional Platform Architainment, Architectural and Commercial
- Fast Track "Plug & Play" Installation



empowers the installer to check the wiring and lighting is fault free, ready for commissioning, demonstration and handover.

Throughout every stage of your lighting project the EcoControls Team provides exceptional service and support. From the initial design through to commissioning and beyond, with an annual service and optimisation programme. EcoControls are fully supported by the UK Team and via our International Distributors by skilled and experienced personnel.

Partnership

EcoControls is committed to a partnership with our clients; our post-installation service support will ensure that your investment in an EcoControls installation remains an intelligent choice and continues to be adaptable and upgradable to meet future environmental, legislative and economic challenges.

EcoControls works closely with all stakeholders in the project chain from Lighting Designers and M & E Consultants through to Architects, Developers and End Clients.

Design assistance doesn't end here. Project specific support is provided to Electrical Contractors and Specialist Installers to ensure a trouble-free installation and project delivery.

On going service and optimisation support maximises the return on investment, user comfort and longevity of the system.



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