



Autolux

Universal Lighting Controller



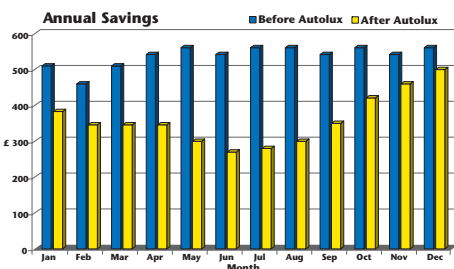
The latest addition to the popular Autolux range is the Universal Lighting Controller. This is a highly flexible, competitively priced 6-channel controller that provides a wide range of control options and configurations.

It is particularly suitable for areas where optimum lighting control will be achieved through a combination of timed switching, occupancy sensing and response to changing light levels. As such, it provides the functionality of a high-specification lighting management system for a fraction of the cost.

The "Autolux" Universal Lighting Controller provides integrated daylight and time control operation, which can be combined with presence detection if required. The manual override facility allows individual zone settings to be overridden on or off for a pre-set period of time, after which the lighting will revert to its former settings.

Each channel can be used with up to six sensors of various types, so that each sensor connected to the controller is able to influence single or multiple zones, or control multiple functions within a zone, allowing each control strategy to be tailored to the needs of the project.

Experience in the field has shown that the "Autolux" Universal Lighting Controller has the potential to reduce electricity consumption by 50% without compromising on safety or comfort – providing a very fast return on investment.

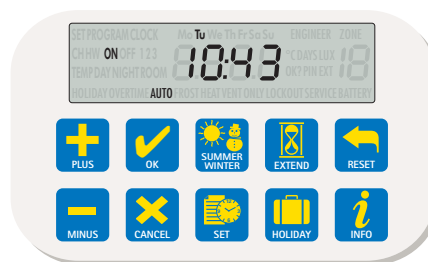


Additionally the controller features a temperature monitoring channel that has a wide range of applications such as

providing an alarm for cold room alarms, frost protection for vulnerable equipment or ensuring temperature-sensitive light sources are switched on before the temperature falls below the set level.

Intuitive ease of use

Designed to be intuitive for ease of use, the "Autolux" Universal Lighting Controller enables users to see the status of the system at a glance, using a clear LCD display that scrolls to show the status of each controlled zone.



Symbols are used to indicate light level demand, presence sensing and time clock status, combined with clear ON/OFF displays to show the system status for each zone, and temperature sensor if fitted.

The "Autolux" Universal Lighting Controller also provides dimming functionality with an analogue output for dimmable ballasts.

The simple-to-understand front panel enables the system to be programmed, offering two levels of PIN-code controlled

FEATURES

- Control of up to 6 lighting zones
- Up to 4 lux sensors
- Ambient light level and occupancy control
- Controls multiple functions within a zone
- Highly flexible and configurable
- Additional temperature channel
- Clear display with easy to understand information
- PIN protected access for advanced settings
- 7 day programmer with 3 ON/OFF settings per day
- Overtime and holiday overrides
- Summer/Winter button
- Monitors lamp hours run and hours saved

access. The User level provides quick access for control settings (with optional PIN protection) while the Engineer level can only be accessed for adjusting advanced settings using the engineers PIN code.

At 'engineer' level the system can be fine-tuned to very precise parameters to ensure the control strategy exactly matches the user's requirements.





Flexible timing - functional overrides

The integral timer functions of the "Autolux" Universal Lighting Controller provide a high degree of flexibility. Regular schedules are easily accommodated using the 7-day week programmer, with three separate on/off settings per day for each zone. In addition, Autolux offers a flexible 'overtime' setting and a 'holiday' setting that is immediately accessible by the user.

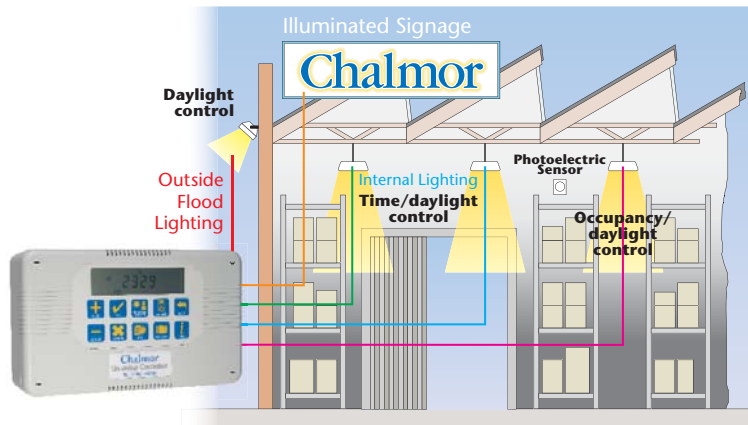
The overtime feature can either be used to extend the time period and / or override the light level control when people are working late or if the lux control needs a temporary override for lighting maintenance. It can also be used to curtail the current period if an area is vacated earlier than usual.

The holiday feature is designed for shut down periods, allowing the regular schedule for each or all zones to be simply overridden for a number of days without any need for reprogramming.

For even greater ease of use, a summer/winter button allows the user to change the clock from summer time to winter time setting, and vice versa, at the push of a button.

Keeping track

The "Autolux" Universal Lighting Controller incorporates a 'service' function that keeps track of lighting performance. For example, where lamps are replaced at set intervals, the "Autolux" Universal Lighting Controller will monitor the hours run and indicate when the lamps are due for replacement. The controller will also provide information on the number of hours saved through Autolux control.



Applications:

The "Autolux" Universal Lighting Controller is suitable for a wide range of lighting control applications where automatic control can achieve energy savings by ensuring that lighting is only provided when required. Typical applications include warehouses, sports halls, swimming pools, petrol station forecourts, car parks, atriums etc.

The "Autolux" Universal Lighting Controller has been designed to meet the requirements of the Energy Technology List and qualifies for Enhanced Capital Allowances.

Other features:

- Info button – quick short cut that displays status of each sensor / switch input
- Fail safe configuration option
- Panic input from remote switch to override selected zones
- Configurable to accept inputs from Push buttons, Light Switches, Lux sensors or movement sensors
- Extra low voltage (SELV) remote sensor wiring
- Selectable operating modes
- Easy to programme with copy facility for ALL or individual zones
- Adjustable light level settings, independent for each zone
- Battery back up

Technical Specification

Controller: Pale grey ABS	Control operating temperature range: 0°C to 35°C
Dimensions: 215(l) x 128(w) x 62(d) mm	Control operating humidity range: 0 to 90% RH
Relay outputs 10A (2A Inductive)	Lighting sensor range: 10 Lux to 23,000 Lux
Battery back up: 5000 hours of clock back up and up to 5 years of programme back up.	Control IP rating: IP30
Battery service life: >5 years	Control safety construction: Class II
	Mains supply: 230 VAC 50 Hz

Specifications may change without prior notice

Technical data sheet available

ORDER CODES

UNI/L	Autolux Universal Lighting Controller
UNI/LUX	Light Level Sensor
UNI/LUX/WP	Light Level Sensor ~ Weatherproof
PIR/CM	Ceiling Occupancy Sensor
BW/MINI	Blue Wave ~ Mini Sensor
PIR/WH	Weather Proof Sensor Housing
BW/35	Blue Wave ~ Corridor Sensor
BW/CUR	Blue Wave ~ High Bay / Curtain Sensor
BW/MW	Blue Wave ~ Microwave Sensor
IRS/CONT/NC/ENC ...	Contactor - Normally Closed
IRS/CONT/NO/ENC ...	Contactor - Normally Open

Chalmor provide an installation and lighting and control design service.

