

CONTROL PRODUCTS CATALOGUE



# Dynalite enjoys an international reputation for quality product, service and support, and as a leading solutions provider for difficult and challenging projects.

## Our Philosophy

Dynalite is a highly specialised company whose principal occupation is to provide 'cutting edge' solutions for lighting control.

Our philosophy is to provide the best solution possible for each and every project and this has been the key to our success. Our considerable investment in Research & Development ensures we remain at the forefront of our industry and our position as a world leader in lighting management systems of the future will be sustained through our total commitment to innovation.

Dynalite is certified as a Quality Endorsed Company under AS/NZ ISO 9001:2000. Our design & manufacturing facilities and processes adhere to the highest environmental standards.



ISO 9001 Lic QEC23842  
SAI Global

## Dynalite Control Products Catalogue

The Dynalite range of controller and companion products delivers a versatile system that can be tailored to meet the specific needs of any application.

This product catalogue is designed to give the reader an overview of general product functionality. For in-depth technical information on a specific product, request a copy of the data sheet from your Dynalite dealer, or download from the product pages at [dynalite-online.com](http://dynalite-online.com).

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Dynalite offer a vast range of user interfaces, from control panels to suit any budget and match any décor, to touch screens, timeclocks, sensors, remote controls and more.

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Dimmers for regulating lighting circuits with resistive and inductive properties, including mains voltage incandescent, neon and low-voltage incandescent connected through magnetic transformers or compatible electronic transformers.

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System configuration, automation and user control PC software, power supplies and Dynalite DyNet data cable.

## USER INTERFACES

Dynalite offer a vast range of user interfaces, from control panels to suit any budget and match any décor, to touch screens, timeclocks, sensors, remote controls and more.

## Common Features

Dynalite interface devices all comprise an RS485 serial port for connection to the lighting control network. They are powered directly from the network and therefore do not require mains wiring.

### User Control Panels

#### DRP & DRPE - Revolution Series



DRP

DRPE



The contemporary Revolution Series user control panels incorporate a revolutionary clip-on cover fastening system, providing the ultimate in aesthetic design flexibility. Incorporating a unique button depth adjustment facility, the panels can accommodate covers of practically any flat architectural surface medium ranging in thickness from 1.2mm to 6.5mm. Glass, stone, wood, metal, ceramic... the options are endless.

- Available in the two standard international mounting formats, in single and multi-gang configurations
- From 1 to 24 buttons on single, double & triple gang plates
- Rear-lit engravable buttons for clear identification of function
- Button colours; charcoal grey, silver or white
- LED Status Indicators; blue as standard, other colours available
- Integrated IR receive capability
- Front Cover finishes; stainless steel, white glass & black glass as standard, an infinite number of options available

#### DPN & DPNE - Classic Dynalite Stainless Steel Series



DPN-SF

DPNE-SF

The workhorse of the Dynalite range and particularly well-suited to a commercial environment, these robust panels are available with or without concealed fixings. The Classic series is available in two standard international mounting formats in both single & multi-gang configurations. The panels can be customised to provide a multitude of control options, including buttons, faders, keyswitches and custom engraving on either buttons or metalwork.

- Smooth action switches with LED indicator provide tactile & visual feedback
- Engravable buttons available in silver, charcoal, grey & ivory
- Faceplate finished in 1.6mm stainless steel, other finishes such as gold-plate and powder coat also available
- Control options include buttons, faders, key switches and custom engraving

#### DLP & DLPE - Standard Dynalite Series



DLP

DLPE

The DLP panels come as standard with a contemporary-styled electric white coverplate and white buttons; the DLPE with a brushed stainless steel and charcoal buttons. A range of alternate cover finishes is available.

- Available in button configurations from 1 to 10 buttons
- 2 grid plates available, 1 column of 5 buttons & 2 columns of 5 buttons
- Smooth action switches with LED indicator provide tactile & visual feedback
- Engravable buttons
- Blue standard LED on each button, optionally available in green and red
- Optional inbuilt infra-red receiver

## USER INTERFACES

#### DPWE - Slimline Series



The Slimline range of panels utilises the same basic design as the Standard Series, with the additional advantage of a stylish low-profile coverplate. Available only in UK/ European mounting configuration as illustrated, the panels can be supplied with a plasterboard clip or stud bracket for mounting.

- Available with 1 to 10 buttons
- 2 gridplates available, 1 column of 5 buttons & 2 columns of 5 buttons
- Smooth action switches with LED indicator provide tactile & visual feedback
- Engravable buttons
- Blue standard LED on each button, optionally available in red and green
- Optional inbuilt infra-red receiver

#### DTP160 - Dynalite Revolution Colour Touch Screen



##### Panel Dimensions:

- Exposed H 165mm x W 220mm x D 3mm
- Hidden incl. wallbox H 150mm x W 196mm x D 59mm
- Packed weight 1.7 kg

- High resolution touch sensitive colour LCD screen
- VGA (640x480) resolution
- Microsoft Windows CE 5.0, Internet Explorer 6, Windows Media Player 9/MP3 with live video feed
- Built-in microphone and speakers
- 1 x RJ45 10/100BaseT Ethernet port
- Infra-red remote receiver
- 1 x Mini USB Type B socket
- 1 x USB Type A socket
- Central Processor Intel XScale PXA270 520MHz
- Non Volatile Memory FLASH, 128MB, Volatile Memory: SDRAM, 64MB
- Screen size 16.32cm (6.4") diagonal (H 9.79cm x W 13.05cm)

##### Options – Surround:

- Utilises Revolution clip-on fastening system and accommodates practically any architectural surface medium; glass, stone, wood, ceramic, metal
- DTP160-SG-GF – simulated glass facia
- DTP160-SS – stainless steel facia

#### DTP100 - Revolution Colour Touch Screen



##### Panel Dimensions:

- Exposed H 86mm x W 146mm x D 5mm
- Hidden incl. wallbox H 69mm x W 129mm x D 27mm
- Packed weight 0.9kg

- High resolution touch sensitive colour LCD screen
- 480 x 272 resolution
- Microsoft Windows CE 5.0, Internet Explorer 6, Windows Media Player 9/MP3
- 1 x RS485 DyNet serial port
- 1 x Mini USB Type B socket
- Central Processor Intel XScale PXA270, 520MHz
- Non Volatile Memory: FLASH 128MB, Volatile Memory: SDRAM 64MB
- Screen size 10.8cm (4.3") diagonal

##### Options - Surround

- Utilises Revolution clip-on fastening system and accommodates practically any architectural surface medium; glass, stone, wood, ceramic, metal.

## Touch Screens, Sensors & Timeclocks DTK600 - Dynalite Touch Screen



DTK600



DTK600-SS

### Panel Dimensions:

- Exposed H 166mm x W 206mm x D 17mm
- Hidden incl. wallbox H 140mm x W 187mm x D 50mm
- Packed weight 1.7kg

- High resolution touch sensitive mono-chrome LCD with backlight
- QVGA (320x240) resolution
- 255 pages
- Easy setup from PC
- Inbuilt Programmable Logic Controller (64 Tasks)
- 365 day real time clock with sunrise/sunset & daylight saving features
- DMX512 receive and convert up to 512 channels
- DMX512 serial port - DyNet & DMX512
- Memory 8Kb EEPROM, 512Kb DRAM, 1024Kb FLASH
- Screen size H 84.5mm x W 113.5mm

### Options - Surround:

- Stainless steel facia, black ABS plastic facia and charcoal ABS plastic facia available

## DPP601 - Dynalite Portable Programmer



- Programs & overrides control system
- 122 x 32 pixel backlit LCD display
- Controls 256 areas, each up to 255 channels, 170 presets
- Dimensions H 79mm x W 143mm x D 25mm
- Packed weight 0.427kg

## DUS704C - Multifunction Sensor - Ceiling Mount



### Infra-red Remote Control Receiver

- Range >6m
- LED activation indicator
- Can be used with DTK500 series infra-red remotes or other learning IR Remote controls

- Multifunction fully programmable sensor
- All functions remotely programmable

### Wide Angle 360° Ceiling Mount

- PIR Motion Detector
- Detection range 9m x 6m ellipse
- Mounting height: 2.1m to 5.0m (2.4m optimum), on ceiling
- LED activation indicator
- Adjustable pulse count
- Adjustable sensitivity
- Detection zones: 34 dual element zones
- Sensor: Dual element pyro-electric
- R.F.I. Immunity: >15V/m @ 10-1,000MHz

### PE Cell for Light Measurement

- Dynamic range <5 lux to >5,000 lux
- Automatic "Daylight Harvesting" mode
- Standard functions for proportional and multi-threshold illumination control

- Dimensions Diameter 102mm x D 30mm
- Packed weight 0.116kg

## DUS704W - Multifunction Sensor - Wall Mount



### Infra-red Remote Control Receiver

- Range >6m
- LED activation indicator
- Can be used with DTK500 series infra-red remotes or other learning IR remote controls

- Multifunction fully programmable sensor
- All functions remotely programmable

### Wide Angle Wall Mount PIR Motion Detector

- Detection range 12m x 90°
- Mounting height: 1.1m to 3.1m, on wall or corner
- LED activation indicator
- Adjustable pulse count
- Adjustable sensitivity
- Detection zones: 20 dual element zones
- Sensor: Dual element pyro-electric
- R.F.I. Immunity: >15V/m @ 10-1,000MHz
- Optional lens: 30m narrow long range and 15m curtain

### PE Cell for Light Measurement

- Dynamic range <5 lux to >5,000 lux
- Automatic "Daylight Harvesting" mode
- Standard functions for proportional and multi-threshold illumination control

- Dimensions H 85mm x W 66mm x D 45mm
- Packed weight 0.116kg

## DUS804C - Multifunction Sensor - Recessed Flush Mount



### PE Cell for Light Measurement

- Dynamic range <5 lux to >5,000 lux
- Automatic "Daylight Harvesting" mode
- Standard functions for proportional and multi-function illumination control

### Infra-red Remote Control Receiver

- Range >6m
- LED activation indicator
- Can be used with DTK500 series infra-red remotes or other learning IR remote controls

- Multifunction fully programmable sensor
- All functions remotely programmable

### Motion Detector

- Available in two sensitivity levels

### DUS804C - Standard

- Maximum detection range: 5.0m
- Detection area: 7.4 x 5.6m ellipse (at a height of 2.5m)
- Detection speed: 1.0m/s
- Detection object: 700mm x 500mm
- Detection zones: 64
- LED activation indicator
- Adjustable pulse count and sensitivity
- Sensor: Quad element pyro-electric
- RFI Immunity: >15V/m @ 10-10,000MHz

### DUS804C-SM - Slight Motion

- Maximum detection range: 2.0m
- Detection area: 5.0m circular (at height of 2.0m)
- Detection speed: 0.5m/s
- Detection object: 200mm x 200mm
- Detection zones: 104
- LED activation indicator
- Adjustable pulse count and sensitivity
- Sensor: Quad element pyro-electric
- RFI Immunity: >15V/m @ 10-10,000MHz

- Dimensions Diameter 72mm x D 26mm
- Packed weight 0.116kg

## USER INTERFACES

### DTS900 - Dynalite Temperature Sensor



DTS900



DTS900M

- Measures ambient temperature, provides data to other controllers
- Range 0° to 50°C, accuracy +/- 1°C
- Bi-colour LED status indicator
- Also available with user-adjustable setpoint knob (DTS900M)
- Dimensions H 71mm x W 71mm x D 26mm
- Packed weight 0.11kg

### DTC602 & DTCE602 - Dynalite Timeclock



DTC602



DTCE602

- Controls 255 areas, 255 channels per area, 96 scenes per area, 250 events, 16 tasks (sequences)
- Fade times from instant to 20 minutes
- Each event selective of the time and number of active days in a week
- Sunrise and sunset & daylight saving capability
- Complex sequencing control of lighting
- Password (PIN) locking of panel for security
- Supported by PC software, for easy configuration allowing local over-ride of lighting levels
- Real time clock with battery backup
- Large LCD screen for monitoring
- Utilises EEPROM memory for 100 year memory life without power
- Available in the two standard international mounting configurations:
  - DTC602 H 115mm x W 164mm x D 24mm (Aus/US Mounting Configuration)
  - DTCE602 H 86mm x W 146mm x D 24mm (UK/Euro Mounting Configuration)
- Packed weight 0.2kg

### DTK500 - Dynalite Remote Controls



- Available in 4, 6, 8, 10 & 12 buttons
- Used with DUS704W, DUS704C & DUS804C infra-red receivers

## LEADING EDGE DIMMERS

Dimmers for regulating lighting circuits with resistive and inductive properties, including mains voltage incandescent, neon and low-voltage incandescent connected through magnetic transformers or compatible electronic transformers.

See [Multipurpose Controllers](#) for more options.

### DIN Rail Mount

#### DDLE802 - 8 x 2A Leading Edge Dimmer

- 230V ±14% 50/60Hz Single Phase at 16A
- 8 x dimmed outputs at 2A
- Each pair of outputs protected by a 6.3A time delay M205 fuse
- 1 x programmable dry contact AUX input
- Dimensions H 96mm x W 211mm x D 75mm
- Packed weight 0.94kg



#### Option - Manual Override

- DDLE802-MO (shown). Rear lit keypad provides status indication and local control of individual channels

#### DLE220-S - 2 x 20A Leading Edge Dimmer

- 230V ±14% 50/60Hz Single Phase at 40A
- 2 x dimmed outputs at 20A
- Each output protected by a 20A MCB
- Robust SCR regulating device
- Rise Time >100µs @ 230V
- 1 x programmable dry contact AUX input
- Dimensions H 285mm x W 210mm x D 150mm
- Packed weight 4.2kg



#### DLE410 - 4 x 10A Leading Edge Dimmer

- 230V ±14% 50/60Hz Single Phase at 40A
- 4 x dimmed outputs at 10A
- Each output protected by a 10A MCB
- Rise Time >100µs @ 230V
- 1 x programmable dry contact AUX input
- Dimensions H 300mm x W 212mm x D 144mm
- Packed weight 8.8kg



## Common Features

- DyNet RS485 Serial Port
- Up to 255 presets\*
- Up to 23 hour fade for each DyNet message\*
- Panic override and join functions
- Power conditioning including; overvoltage protection, surge protection, brownout/sag protection, spike protection, soft start, 16 bit fade resolution (65,535 steps) \* [dependent on specific model](#)

### Wall Mount

#### DLE120-S - 1 x 20A Leading Edge Dimmer

- 230V ±14% 50/60Hz Single Phase at 20A
- 1 x dimmed output at 20A
- No sub circuit protection - feed from 20A MCB
- Robust SCR regulating device
- Rise time >200µs @ 230V
- 8 x multi-function inputs; each programmable to 0-5V, 0-10V or dry contact
- Programmable Logic Controller (8 tasks)
- Dimensions H 320mm x W 225mm x D 75mm
- Packed weight 3.5kg



#### DLE405 - 4 x 5A Leading Edge Dimmer

- 230V ±14% 50/60Hz Single Phase at 20A
- 4 x dimmed outputs at 5A
- Each output protected by a 6A MCB
- Rise time >200µs @ 230V
- 1 x programmable dry contact AUX input
- Dimensions H 320mm x W 225mm x D 75mm
- Packed weight 4.2kg



## LEADING EDGE DIMMERS

### DLE1203 - 12 x 3A Leading Edge Dimmer

- 230V ±14% 50/60Hz Single Phase at 32A
- 12 x dimmed outputs at 3A. Total device load 32A
- 2 blocks of 6 channels, each protected by a 16A MCB
- Rise time >100µs @ 230V
- Dimensions H 450mm x W 225mm x D 75mm
- Packed weight 6.0kg



### DLE1205 - 12 x 5A Leading Edge Dimmer

- 400/230V ±14% 50/60Hz 3-Phase Y at 20A per phase or: 230V ±14% 50/60Hz Single Phase at 60A
- 12 x dimmed outputs at 5A
- Each output protected by a 6A MCB
- Rise Time >100µs @ 230V
- 1 x programmable dry contact AUX input
- Dimensions H 626mm x W 255mm x D 176mm
- Packed weight 14.0kg



## TRAILING EDGE DIMMERS

Dimmers for use with mains voltage incandescent and low voltage incandescent fittings connected through trailing edge compatible electronic transformers.

See [Multipurpose Controllers](#) for more options.

### DTE310 - 3 x 10A Trailing Edge Dimmer



- 400/230V ±14% 50/60Hz 3-Phase Y at 10A per phase or: 230V ±14% 50/60Hz Single Phase at 30A
- 3 x dimmed outputs (trailing edge phase control) at 10A
- Each output protected by a 10A MCB
- Regulating device - Dual MOSFET's, 47A, 600V, 141 surge.
- 1 x RS485 serial port - DyNet & DMX512
- 8 x multi-function inputs; each programmable to 0-5V, 0-10V or dry contact
- Dimensions H 450mm x W 225mm x D 75mm
- Packed weight 6.0kg

### DLE1210 - 12 x 10A Leading Edge Dimmer

- 400/230V ±14% 50/60Hz 3-Phase Y at 40A per phase
- 12 x dimmed outputs at 10A.
- Each output protected by a 10A MCB
- Rise time >200µs @ 230V
- Dimensions H 600mm x W 345mm x D 187mm
- Packed weight 30.0kg



### DLE1210GL - 12 x 10A Leading Edge Dimmer

- 400/230V ±14% 50/60Hz 3-phase Y at 25A per phase or: 230V ±14% 50/60Hz Single Phase at 75A
- 12 x dimmed outputs at 10A. Total device load 75A
- Each output protected by a 10A MCB
- Rise time > 100µs @ 230V
- 1 x programmable dry contact AUX input
- Dimensions H 626mm x W 255mm x D 176mm
- Packed weight 18.0kg



### DTE1210 - 12 x 10A Trailing Edge Dimmer



- 400/230V ±14% 50/60Hz 3-Phase Y at 40A per phase
- 12 x dimmed outputs (trailing edge phase control) at 10A
- Each output protected by a 10A MCB
- Regulating device - Dual MOSFET's, 47A, 600V, 141 surge
- 1 x RS485 serial port - DyNet & DMX512
- 1 x programmable dry contact AUX input
- Dimensions H 610mm x W 290mm x D 190mm
- Packed weight 16.7kg

### DLE1220GL-S - 12 x 20A Leading Edge Dimmer

- 400/230V ±14% 50/60Hz 3-Phase Y at 63A per phase
- 12 x dimmed outputs at 20A. Total device load 180A
- Each output protected by a 20A MCB
- Robust SCR regulating device
- Rise time >200µs @ 230V
- Dimensions H 600mm x W 345mm x D 187mm
- Packed weight 35.0kg



## MULTIPURPOSE CONTROLLERS

Controllers that include combinations of leading edge regulated outputs, ballast control outputs and switched outputs

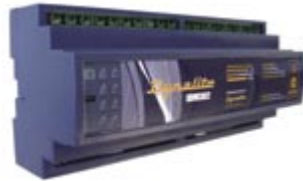
### Common Features

- RS485 DyNet Serial Port
- AUX input for panic override, join and other programmable functions

### DIN Rail Mount

#### DDMC802 - 8 x 2A Multipurpose Controller

- 230V  $\pm 14\%$  50/60Hz Single Phase at 16A
- 8 x output slots at 2A each
- Available output modules include:
  - 1 x 2A Leading Edge Dimmer module - occupies 1 slot (DDL102)
  - 1 x 4A Leading Edge Dimmer module - occupies 2 slots (DDL104)
  - 1 x 2A Trailing Edge Dimmer module - occupies 1 slot (DDTM102)
  - 1 x DALI Broadcast, 1-10V, DSI HF Ballast Controller module - occupies 1 slot (DDBM100)
  - 1 x 4A Relay Controller module - occupies 1 slot (DDRM104)
  - 1 x 2A SPDT Curtain Controller module - occupies 2 slots (DDCM102)
  - 1 x 400VA Fan Controller module - occupies 2 slots (DDFM102)
- Dimensions H 93mm x W 211mm x D 75mm
- Packed weight 0.94kg



#### Option - Manual Override

- DDMC802-MO (shown). Rear lit keypad provides status indication and local control of individual channels

### Wall Mount

#### DMC805 - Multipurpose Controller

- 230V  $\pm 14\%$  50/60Hz Single Phase at 40A
- 4 x leading edge dimmed outputs at 5A
- Dimmed channel rise time  $>200\mu\text{s}$  @ 230V
- 4 x switched outputs at 10A (total switched output load 20A)
- 4 x HF Ballast control outputs, each selectable to 1-10V or DSI
- Each block of 4 channels protected by a 20A MCB
- Dimensions H 450mm x W 225mm x D 75mm
- Packed weight 5.3kg



## HF BALLAST CONTROLLERS

Controllers for use with fluorescent and incandescent lighting fixtures fitted with electronic 1-10V, DSI or DALI dimmable ballasts or transformers.

See [Multipurpose Controllers](#) for more options.

### Common Features

- DyNet RS485 Serial Port
- Up to 255 Presets\*
- Up to 23 hour fade for each DyNet message\*
- Panic override and join functions
- \* dependent on specific model

### DMBC110 - HF Ballast Fixture Coupler

- 230V  $\pm 14\%$  50/60Hz Single Phase at 10A
- Relay output at 10A (inductive)
- Relay, Tungsten Carbide pilot contact, 12A inductive, 120A surge
- Output Capacity:
  - DALI Ballasts and transformers: 5
  - 0-10V Ballasts: 10mA source or 20mA sink
  - DSI Ballasts and transformers: 15
- Dimensions L 185mm x W 44mm x D 38mm
- Packed weight 0.19kg



### DIN Rail Mount

#### DDBC100-DALI - DALI HF Ballast Controller

- 230V  $\pm 14\%$  50/60Hz Single Phase at 0.1A
- 1 x DALI control output, supporting a full DALI universe of 64 channels, including diagnostic back channel
- Diagnostics include:
  - Lamp failure reporting
  - Ballast failure reporting
  - Ballast run tracking for each ballast
  - Device Online/Offline status
- 1 x programmable dry contact AUX input
- Internal DALI bus power supply
- Dimensions H 86mm x W 105mm x D 58mm
- Packed weight 0.324kg



### DDBC300-DALI - DALI HF Ballast Controller

- 230V  $\pm 14\%$  50/60Hz Single Phase at 0.1A
- 3 x DALI control outputs, each supporting a full DALI universe of 64 channels (192 total), including diagnostic back channel
- Diagnostics include:
  - Lamp failure reporting
  - Ballast failure reporting
  - Ballast run tracking for each ballast
  - Device Online/Offline status
- 1 x programmable dry contact AUX input
- Internal DALI bus power supply
- Dimensions H 86mm x W 209mm x D 66mm
- Packed weight; 0.49kg



### DDBC320-DALI - DALI HF Ballast Controller

- 230V  $\pm 14\%$  50/60Hz Single Phase at 0.1A
- 3 x DALI control outputs, each supporting a full DALI universe of 64 channels (192 total), including diagnostic back channel
- Diagnostics include:
  - Lamp failure reporting
  - Ballast failure reporting
  - Ballast run tracking for each ballast switched output
  - Device Online/Offline status
- 3 x 20A feed through switched circuits for DALI ballast mains supply
- 1 x programmable dry contact AUX input
- Internal DALI bus power supply
- Dimensions H 86mm x W 210mm x D 58mm
- Packed weight 0.8kg



## HF BALLAST CONTROLLERS

### DDBC1200 - 0-10V, DSI & DALI Broadcast HF Ballast Controller

- 230V ±14% 50/60Hz Single Phase at 0.5A
- 12 x control outputs, software selectable to DSI/0-10V or DALI broadcast
- Up to 100 DSI or 0-10V ballasts per control circuit, 1200 ballasts total per unit
- Up to 80 DALI ballasts per control circuit or maximum 500 total per unit
- Can control 1-10V HF ballasts when used with a relay controller
- LED status indicators for each channel
- Programmable Logic Controller (8 Tasks)
- Dimensions H 93mm x W 211mm x D 75mm
- Packed weight 0.6kg



#### Option - Manual Override

- DDBC1200-MO (shown). Rear lit keypad provides status indication and local control of individual channels

### DBC1205 - 1-10V & DSI HF Ballast Controller

- 400/230V ±14% 50/60Hz 3-Phase Y at 20A per phase or: 230V ±14% 50/60Hz Single Phase at 60A
- 12 x switched outputs at 5A
- 12 x HF ballast control outputs, software selectable to 1-10V or DSI
- 3 blocks of 4 channels, each protected by a 20A MCB
- Dimensions H 450mm x W 225mm x D 75mm
- Packed weight 5.2kg



### DBC1220GL - 1-10V & DSI HF Ballast Controller

- 400/230V ±14% 50/60Hz 3-Phase Y at 63A per phase
- 12 x switched outputs at 20A. Total device load 180A
- 12 x HF ballast control outputs, each selectable to 1-10V or DSI
- Each output protected by a 20A MCB
- Dimensions H 457mm x W 252mm x D 126mm
- Packed weight 10.25kg



### Wall Mount DBC410 - 1-10V & DSI HF Ballast Controller

- 230V ±14% 50/60Hz Single Phase at 40A
- 4 x switched outputs at 10A (inductive)
- 4 x HF ballast control outputs, each selectable to 1-10V or DSI
- Each output protected by a 10A MCB
- Dimensions H 320mm x W 225mm x D 75mm
- Packed weight 4.0kg



### DBC1210 - 1-10V & DSI HF Ballast Controller

- 400/230V ±14% 50/60Hz 3-Phase Y at 40A per phase
- 12 x switched outputs at 10A
- 12 x HF ballast control outputs, each selectable to 1-10V or DSI
- Each output protected by a 10A MCB
- Dimensions H 457mm x W 252mm x D 126mm
- Packed weight 10.25kg



## RELAY CONTROLLERS

Controllers for switched on/off control of all load types.  
See [Multipurpose Controllers](#) for more options.

### DMRC210 - Fixture Coupler

- 230V ±14% 50/60Hz Single Phase at 20A
- 2 x switched outputs at 10A (inductive)
- Relay, Tungsten Carbide pilot contact, 12A inductive, 120A surge
- 1 x RS485 serial port – DyNet & DMX512
- Dimensions L 185mm W x 44mm x D 38mm
- Packed weight 0.19kg



### DDRC810 - 8 x 10A Relay Controller

- 230V ±14% 50/60Hz Single Phase at 20A
- 8 x switched outputs at 10A. Total device load 20A
- Programmable Logic Controller (8 Tasks)
- Dimensions H 86mm x W 209mm x D 66mm
- Packed weight 0.82kg



#### Optional - MOT version also includes:

- 365 day time clock with sunrise/sunset & daylight saving functions
- Bypass switches (on/off/auto) for each channel
- LED status indicators for each channel
- Diagnostic LED and service switch on front panel

### DDRC820FR - 8 x 20A Relay Controller

- 230V ±14% 50/60Hz Single Phase at 0.1A
- 8 x switched feed through outputs at 20A (inductive)
- Override switch and status indicator for each channel
- Programmable Logic Controller (8 Tasks)
- Dimensions H 86mm x W 209mm x D 66mm
- Packed weight 1.0kg



## Common Features

- DyNet RS485 Serial Port
- Programmable dry contact AUX input
- Up to 255 Presets\*
- Up to 23 hour fade for each DyNet message\*
- Panic override and join functions
- \* dependent on specific model

### DIN Rail Mount DDRC420FR - 4 x 20A Relay Controller

- 230V ±14% 50/60Hz Single Phase at 0.1A
- 4 x switched feed through outputs at 20A (inductive)
- Override switch and status indicator for each channel
- Programmable Logic Controller (8 Tasks)
- Dimensions H 93mm x W 105mm x D 75mm
- Packed weight 0.8kg



### DDRC810DT - 8 x 10A Relay Controller

- 230V ±14% 50/60Hz Single Phase at 0.1A
- 8 x switched outputs at 10A. Total device load 40A
- Relay outputs are dry contact single pole double throw (SPDT)
- Programmable Logic Controller (8 Tasks)
- Dimensions H 86mm x W 209mm x D 66mm
- Packed weight 0.82kg



#### Optional - MOT version also includes:

- 365 day time clock with sunrise/sunset & daylight saving functions
- Bypass switches (on/off/auto) for each channel
- LED status indicators for each channel
- Diagnostic LED and service switch on front panel

### DDRC1220FR-GL - 12 x 20A Relay Controller

- 230V ±14% 50/60Hz Single Phase at 0.1A
- 12 x switched feed through outputs at 20A (inductive) Total device load 180A
- Override switch and status indicator for each channel
- Programmable Logic Controller (8 Tasks)
- Dimensions H 93mm x W 211mm x D 75mm
- Packed weight 1.0kg



## RELAY CONTROLLERS

### Wall Mount

#### DRC810DT - 8 x 10A Relay Controller

- 230V  $\pm 14\%$  50/60Hz Single Phase at 0.1A
- 8 x switched outputs at 10A
- Relay outputs are dry contact single pole double throw (SPDT)
- 8 x multi-function inputs; each programmable to 0-5V, 0-10V or dry contact
- Programmable Logic Controller (8 Tasks)
- Dimensions H 320mm x W 225mm x D 75mm
- Packed weight 3.5kg



#### DRC1205 - 12 x 5A Relay Controller

- 400/230V  $\pm 14\%$  50/60Hz 3-Phase Y at 20A per phase or: 230V  $\pm 14\%$  50/60Hz Single Phase at 60A
- 12 x switched outputs at 5A
- 3 blocks of 4 channels, each protected by a 20A MCB
- Programmable Logic Controller (8 Tasks)
- Dimensions H 450mm x W 225mm x D 75mm
- Packed weight 4.8kg



#### DRC1210 - 12 x 10A Relay Controller

- 230V  $\pm 14\%$  50/60Hz Single Phase at 40A
- 12 x switched outputs at 10A
- Each output protected by a 10A MCB
- Programmable Logic Controller (8 Tasks)
- Dimensions H 457mm x W 252mm x D 126mm
- Packed weight 10.25kg



#### DRC1220GL - 12 x 20A Relay Controller

- 400/230V  $\pm 14\%$  50/60Hz 3-Phase Y at 80A per phase
- 12 x switched outputs at 20A
- Each output protected by a 20A MCB
- Programmable Logic Controller (8 Tasks)
- Dimensions H 457mm x W 252mm x D 126mm
- Packed weight 10.25kg



## LED CONTROLLERS

Controllers for LED light sources in architectural applications where creative colour mixing and sequencing is required

### DIN Rail Mount

#### DDLEDC401 - LED Controller

- 230V  $\pm 14\%$  50/60Hz Single Phase at 130 watts
- 4 x 1A constant voltage PWM outputs
- Outputs selectable to 12V/24V/Common Anode/Common Cathode
- 1 x RS485 serial port - DyNet & DMX512
- Dimensions H 86mm x W 209mm x D 66mm
- Packed weight 1.0kg



#### DDLEDC605 - LED Controller

- Requires external 20A regulated power supply, enabling a range of nominal output voltages
- Controller supply voltage range selectable with internal link to 18-32V DC (standard) or 12-15VDC.
- 6 x 5A voltage mode common anode PWM outputs
- 1 x RS485 serial port - DyNet & DMX512
- Dimensions H 86mm x W 209mm x D 66mm
- Packed weight 1.0kg



#### DDLEDC60035 - LED Controller

- Requires external 2.5A regulated power supply
- Controller supply voltage range selectable with internal link to 18-32V DC (standard) or 12-15V DC
- 6 x 350mA current mode common anode PWM outputs
- Minimum internal voltage drop 200mV
- 1 x RS485 serial port - DyNet & DMX512
- Dimensions H 86mm x W 209mm x D 66mm
- Packed weight 1.0kg



### Wall Mount

#### DLEDC48 - LED Controller

- 230V  $\pm 14\%$  50/60Hz Single Phase at 0.2A
- 48 x (16 x RGB) current mode common anode PWM outputs
- RJ12 socket load connection, 3 channels per socket
- 1 x RS485 serial port - DyNet & DMX512
- Dimensions H 450mm x W 225mm x D 75mm
- Packed weight 7.1kg



## INTEGRATION DEVICES

Networking devices and products to assist in integration to other systems.

### DNG100BT - 10/100Base T Ethernet Interface

- Provides a TCP/IP gateway for controlling a Dynalite network
- Allows custom GUIs to be created in HTML and Flash and run on Smart Phones, PCs and Touch Screens
- Integral webserver for browser-based control
- 1 x RS485 serial port - DyNet
- 1 x 10/100 Base T Ethernet port
- Supports static and DHCP IP addressing
- Programmable Logic Controller (64 Tasks)
- Dimensions H 225mm x W 165mm x D 59mm
- Packed weight 1.0kg
- Also available in DIN Rail Mount (DDNG100BT) and Modular (DMNG100BT) versions



### DNG232 - Serial Port Interface

- DyNet to RS232 Gateway
- 1 x RS485 serial port - DyNet
- 1 x RS232 serial port - can be programmed to transmit custom data
- Pre-programmed "Plain English" text interpreter mode
- Pre programmed Remote Access Modem mode
- RS232 Baud rate: 600 - 460800
- RS232 Max packet length: 254 bytes
- Programmable Logic Controller (64 Tasks)
- Dimensions H 225mm x W 165mm x D 59mm
- Packed weight 1.0kg
- Also available in DIN Rail Mount (DDNG232) and Modular (DMNG232) versions



### DTK502 - Dry Contact Interface

- Designed to fit into third party devices to allow operation on a DyNet network
- 1 x RS485 serial port - DyNet
- 4 x dry contact inputs
- Small enough to fit into 3rd party motion sensors
- Firmware supports special "motion detector" mode
- Dimensions H 19mm x W 40mm x D 19mm
- Packed weight 15.5grams



### DNG485 - Network Bridge

- 2 x RS485 serial ports - DyNet
- 3.75KV RMS optical isolation between ports
- Programmable message filtering
- Programmable Logic Controller (64 Tasks)
- DMX512 receive & convert to DyNet - 64 channels
- DyNet to DyNet II translation
- DyNet network power supply - 630mA
- Dimensions H 320mm x W 225mm x D 75mm
- Packed weight 3.1kg



### DTK932V7 - Network Bridge

- 230V ±14% 50/60Hz Single Phase at 0.1A
- 2 x RS485 serial ports - DyNet & DMX512 transmit (512 channels)
- 3.75KV RMS optical isolation between ports
- Programmable message filtering
- Programmable Logic Controller (64 Tasks)
- 365 day time clock with 250 events, sunrise/sunset & daylight saving functions
- Memory: 8Kb EEPROM, 512Kb DRAM, 1024Kb FLASH
- Dimensions H 320mm x W 225mm x D 75mm
- Packed weight 3.9kg



## INTEGRATION DEVICES

### DIR-TX8 - Infra-red Transmitter

- 8 independent, individually controllable outputs
- 4 x 3.5mm stereo jack connector, accepts stereo & mono plugs
- 1 x IR input, used for learning & saving unknown IR codes
- 1 x RS485 serial port - DyNet
- 1 x programmable dry contact AUX input
- Programmable Logic Controller (64 Tasks)
- Powered from the DyNet network
- Dimensions: H 30mm x W 80mm x D 150mm
- Packed weight 0.15kg
- DIR-EM2 supplied separately



DIR-TX8



DIR-EM2

### DDMIDC8 - Dry Contact/Voltage Input Interface

- 8 x Opto Isolated inputs, each configurable to dry contact or; 0-24V AC/DC inputs
- 4 x 0-10V DC analogue non-isolated inputs
- 1 x RS485 serial port - DyNet
- LED status indicators for each opto isolated input
- Programmable Logic Controller (8 Tasks)
- Powered from the DyNet network
- Can be mounted on DIN rail, also has provision for screw fixing to a wall without the use of DIN rail
- Dimensions H 86mm x W 105mm x D 58mm
- Packed weight 0.324kg



### DDNG485 - Network Gateway

- Communications gateway from DyNet RS485 networks
- 2 x RS485 serial ports - DyNet
- 3.75KV RMS optical isolation between ports
- Programmable message filtering
- DMX512 receive & convert to DyNet (64 channels)
- Programmable Logic Controller (64 Tasks)
- DyNet to DyNet II Translation
- Powered from the DyNet network
- Can be mounted on DIN rail, also has provision for screw fixing to a wall without the use of DIN rail
- Dimensions H 86mm x W 105mm x D 58mm
- Packed weight 0.25kg



### DDNI-LON - DyNet to LON Interface

- DyNet to LON interface
- 1 x RS485 serial port - DyNet
- 1 x TP/FTT10A twisted pair LonWorks port
- Supports 63 SNVTs
- Powered from the DyNet network
- Dimensions H 86mm x W 105mm x D 70mm
- Packed weight 0.6kg



## SOFTWARE & ACCESSORIES

System configuration, automation and user control PC software, power supplies and Dynalite DyNet data cable.

### DLight III MapView - Site Management Software

- User-friendly master control and reporting software
- Utilises site plans as floor plan backdrops for ease of navigation
- Preset scenes can be recalled and programmed
- Timeclock allows one time and recurring events to be easily scheduled
- Smart icons automatically reflect the state of each device in real time
- Status reflection of the system, such as alarm events like circuit breaker trips an lamp failures, diagnostic and maintenance data such as lamp burn times are provided on screen as well as being sent to alerting services such as e-mail and pagers
- User security integrates with Windows Domain Security Groups and Users. Individual user Rights are configurable



### DLight III Server - Gateway Integration Software

- Enables a high level interface to a Dynalite network via Ethernet - TCP/IP
- Industry standard DCOM interface
- Client/Server architecture for fast high-level integration to other services
- Automatically scans the network maintains a database of the network for high-speed information exchange, no network latency
- Supplied-with TrayPan client software, perfect solution for control of open plan office space using existing infrastructure
- System calls allow control & status reflection of the system, alarm events such circuit breaker trips and lamp failures, access to diagnostic and maintenance data such as lamp burn times



- Client Security uses Windows Domain Security Groups and Users. User Rights configurable
- Licence model used makes the product affordable for all system sizes
- DLight III Toolbox SDK available with DCOM calls specification, sample clients & source code for fast tracking integration projects

### DCS - ControlSoft User Friendly Control Software

- Easy-to-use software package specifically designed for simple end user control of Dynalite lighting systems
- On Screen "Virtual Control panel" - that is completely user reprogrammable (ie: Virtual buttons with "English" names - "Foyer to Morning Setting", "Home Theatre to Audio Visual Mode" etc.
- Scheduler - Easy-to-use "Calendar" of events, that the end-user can manipulate as required (ie: Whole House to Welcome mode at 5.15pm today, Foyer to Early Morning mode at 5.00am everyday except for 25/12/99, Garden Lighting Sequence to Late night Mode at 11.00pm every day except Sundays)
- Macro's - Easy-to-build Macro's that are assignable to any virtual button (ie: Office On Macro: Turn Office Lighting to On, Wait 3 seconds, Turn On Air Conditioner, Wait 1 Second, Open Curtains)



- Preset Level Settings - Now the client can easily program and re-program channel level settings within area presets in a user-friendly manner
- Client/Server - Ability to utilize the clients own LAN to control the Dynalite system so that any PC on their network can control any lighting/Control circuit/s
- Logging and Reporting - Ability to log to a standard MS Access data base all data regarding usage of Circuits, for calculation and reporting of "Lamp Burn" times, usage patterns, Automatic E-mail either internal or external of reports, fault reports, or usage data

## SOFTWARE & ACCESSORIES

### DTK624 - DLight Configuration and End User Control Software

- Configures Dynalite equipment
- Diagnostic tools



### DTK622-232 - RS485 - RS232 PC Node Adaptor

- Used with DLight PC software, allows a PC to connect to the Dynalite network
- 1 x RS485 serial port - DyNet, accessible via 2 x paralleled RJ12 sockets
- 1 x RS232 DB9 connector on 1m long flylead cable for connection to PC
- Powered from the DyNet network
- Dimensions H 25mm x W 50mm x D 90mm



### DTK624-PACK - RS485 - RS232 PC Node Adaptor & Software

- Contains everything required to get started;
  - 1 x DTK624 DLight CD
  - 1 x DTK622 PC Node for connection of the Dynalite system to a computer
  - 1 x "Dingus" RJ12 socket
  - 2 x RJ12 patchleads



### DTK622-USB - RS485 - USB PC Node Adaptor

- Used with DLight PC software, allows a PC to connect to the Dynalite network
- Supported OS: Windows - 98, ME, 2000, XP
- 1 x RS485 serial port - DyNet, accessible via 2 x paralleled RJ12 sockets
- 1 x USB type B connector, supplied with 1m long USB patchlead
- Powered from the DyNet network
- Dimensions H 25mm x W 50mm x D 90mm







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