

The DMC810GL multipurpose controller offers control of both incandescent lamps and electronic dimmable and switched ballasts and transformers. Four 10A circuit breakers protect 8 channels rated at 10A each for control of dimmable loads. Four control outputs, selectable to 1-10V DC, DSI and DALI broadcast, are provided for control of HF ballasts. These control outputs can operate in tandem with or separately from, the switched outputs. The ability to control mixed load types from the one controller provides savings on initial capital costs, as well as installation.

technical data 



Supply

230V ±14% 50/60Hz Single Phase at 40A

DyNet DC Supply

12V @ 200mA (supply for approx. 10 panels)

Outputs

4 x dimmed outputs (leading edge phase control) at 10A each
4 x switched outputs at 10A
4 x HF ballast control outputs, selectable to 1-10V DC, DSI and DALI
Total box load is 40A
Total switched load is 40A or
Total dimmed load is 40A

Preset Scenes

170

Supply Terminals

Line, Neutral
2 x 10mm² max conductor size

Output Terminals

Line, Neutral for each channels 1-8
2 x 4mm² max conductor size
Earth Link bar provided
0V/DSI/DALI, +V/DSI/DALI for channels 9-12
1 x 2.5mm² max conductor size

Overload Protection

4 x 10A 6kA single pole thermal magnetic circuit breakers

Cable Entries

Mains – 8 x 25mm dia knockout
Data – 1 x 25mm dia. knockout

Regulating Device

Triac 600V 40A nom. 400A surge

Switching Device

Relay 16A nom. (165A surge)

Diagnostic Functions

Device Online/Offline status

Interference Suppression

Iron powder toroidal choke

Compliance

CE, C-Tick

Rise Time

100µS at 230V

Operating Environment

0° to 40°C ambient temperature
0% to 95% RH non condensing

Control IO

1 x RS485 DyNet serial port / DMX
1 x programmable dry contact AUX input

Construction

Alloy/Steel wall mount case with powder coat finish

User Controls

Service Over-ride switch - All channels to 100%
Diagnostic LED

Dimensions

H 370mm x W 215mm x D 170mm (excludes wall brackets)

Internal Controls

Programmable Logic Controller

Weight

Packed weight 7.5kg

load compatibility 

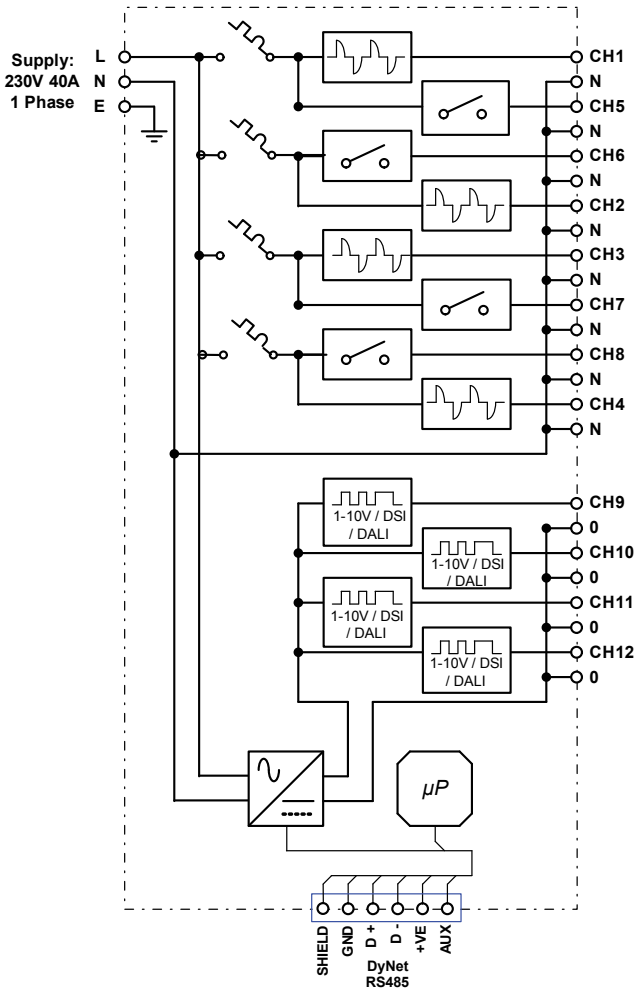
Incandescent
Neon
Switched loads
DSI high frequency fluorescent ballasts

1-10V DC high frequency fluorescent
Leading edge electronic transformers
Iron core transformers

options 

Extra RS485 DyNet/DMX512 port **-A**
Earth leaking and overload protection on each channel **-RCBO**

electrical diagram >>>



mounting dimensions >>>

