

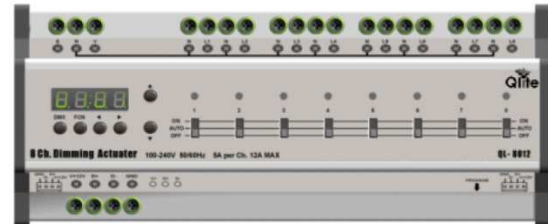
QL-8012

8 CHANNEL DIMMING/SWITCHING MODULE

The QL-8012 is an 8 channel dimming/switching module designed for small to medium sized lighting automation requirements. Any output of this module can be programmed for "switched mode" or "Phase dimming mode". The DIN rail mountable module is totally self contained with its own integral PSU and can be configured as a part of a central system or as a standalone system. In a standalone mode, the module operates in the QL NET mode. When used as a part of a central system with QL NE100 controller, the module operates in DMX-512 mode.

This module can be fitted along with protection devices in the distribution board or into a cabinet with any other modules. The metal construction has been designed and built for safety, reliability & serviceability with standard DIN rail mountable fixing arrangement. The channel numbers for each output can be configured.

After power loss, on restoration the system will restore each channel to the "last scene selected" prior to the power loss.



- Operates in Stand-alone mode and centralized mode with QL NE100
- Each channel configurable as leading edge phase dimming or switching mode
- Accepts standard DMX-512 signal
- DIN rail mountable
- Up to 99 zones configurable in QL NET mode
- Up to 8 Programmable partition zones
- Up to 8 programmable scenes in QL NET mode
- Module current output viewable on the LCD display
- Manual adjustable dimming level for each channel
- Manual override switches for each channel
- In-built current detection function
- Auto shutdown on overload

Specifications

Power Supply

100-270V AC, 50/60 Hz

Power Requirement

35mA @ 240V AC

QL NET Power Supply Capacity

400mA

Protocol

QL NET, DMX-512

Output Rating

Max per channel : 5A

Max per module : 12A

Connectors

QL NET/DMX-512 : Non-detachable 4 pin 3.5mm connector, 2 nos. 2.54mm 4 pin bar connectors

Power in : Non-detachable 3 pin 3.5mm connector

Phase/Neutral out : Non-detachable 16 pin 3.5mm connector (2 per output)

Programming Port : 2.54mm 8 pin bar connector

Configuration Buttons

▲, ▼, ◀, ▶, FCN and DMX

Override Switches

8 nos. SPDT mini slide switches

LED indicators

8 Green LEDs mimicking the output of the 8 channels

Display

LCD

Dimming Curve

Square Law

Minimum Load

40W

Dimmer Efficiency

PF = 0.5 @ 50% load

Environment

Ambient Temperature : 0°C to 40°C
(The module can however be used at higher temperatures if suitable "derated")

Relative Humidity : less than 80%

Safety Regulatory Compliance

CE

Dimensions

215mm (W) x 88mm (H) x 57mm (D)

Weight

720g

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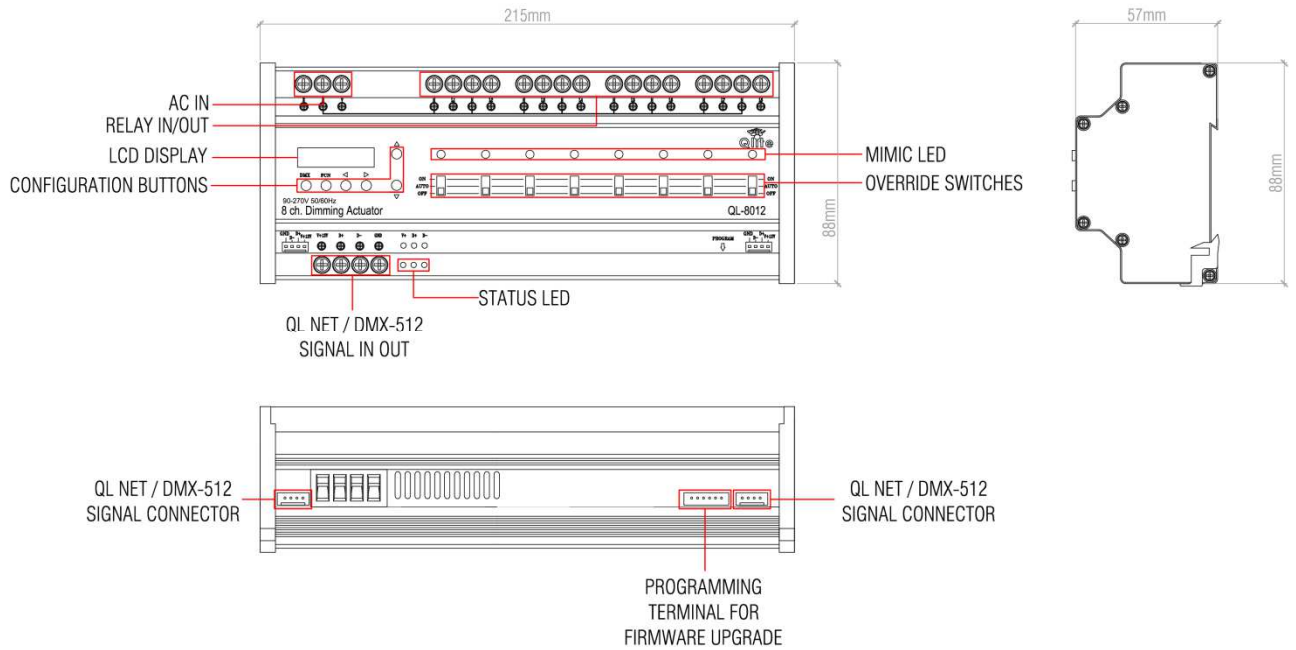


Fig 1. Module Details

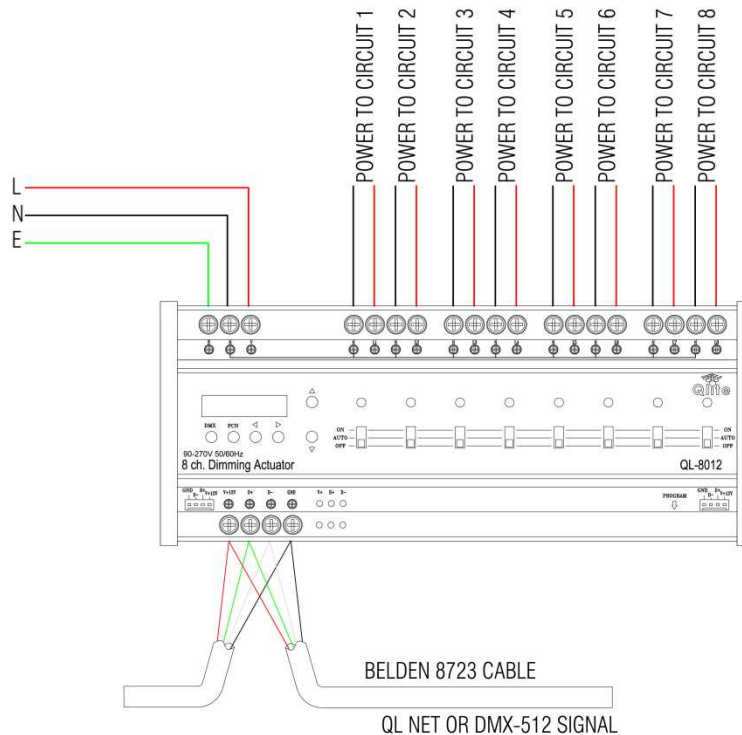


Fig 2. Module Connections

Typical Applications

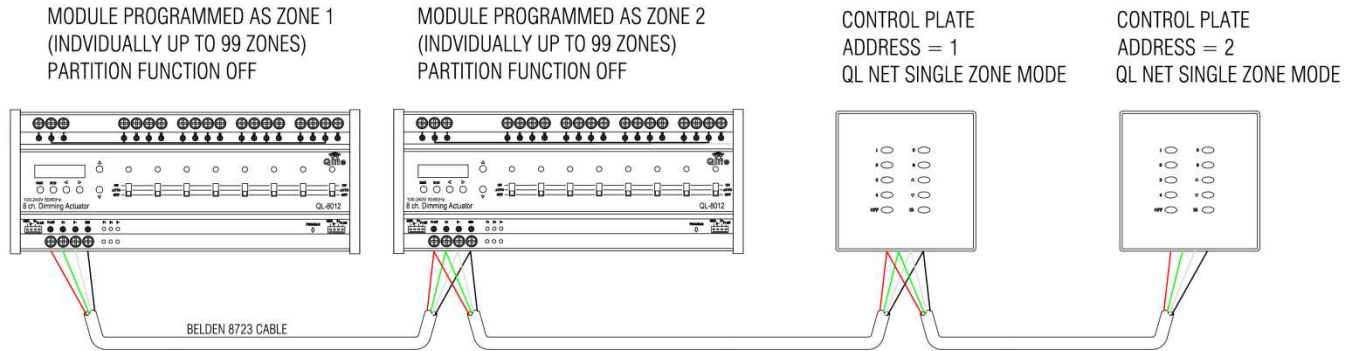


Fig 3. Application Example : QL NET mode

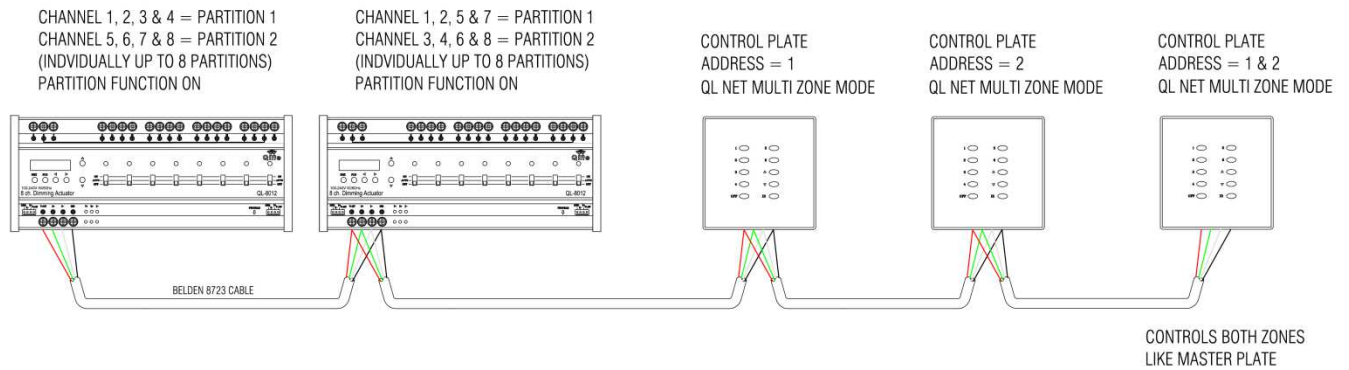


Fig 4. Application Example : QL NET mode

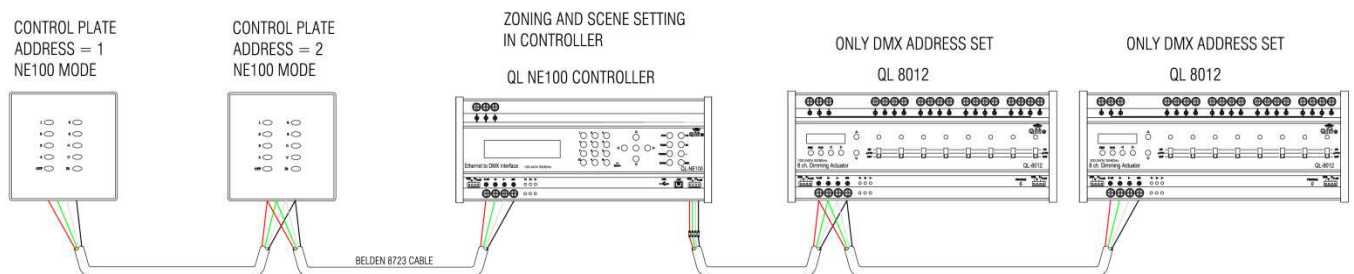


Fig 5. Application Example : NE100 mode