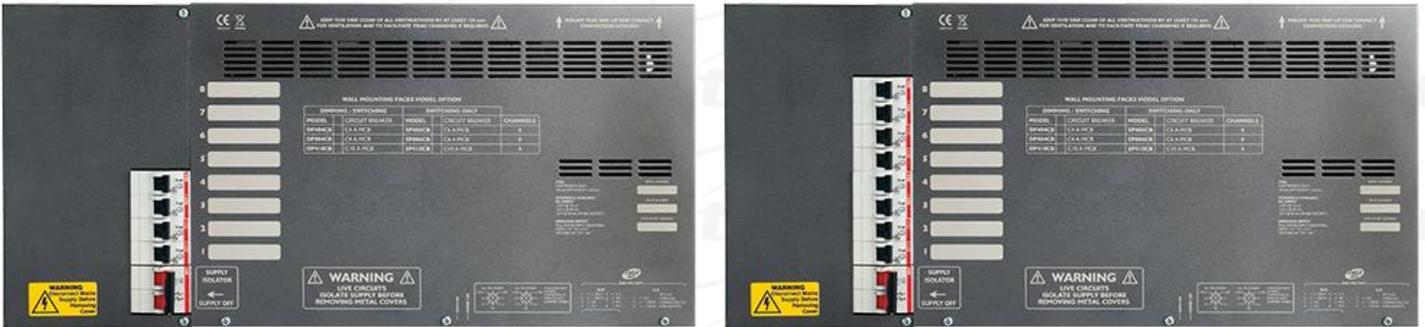


Dimming Control

QD4 - QD8 Dimmers



The Compact range of modular dimmers come in two versions: either with 4 or 8 circuits each with a type C circuit breaker protection and dimming or switching action.

The dimmer circuitry is optimised to minimise RF interference and to work with all types of leading edge dimmable load circuits including inductive, capacitive and electronic loads with no minimum loading constraints.

- Robust range of economical wall mounting dimming/switching packs
- Rugged steel enclosure
- 8 x 4A, 4 x 4A and 4 x 10A dimming switching models
- 4 x 6A, 8 x 6A and 4 x 10A dedicated switching models, ideal for ballast type loads
- Choice of dimming or switching channel by channel
- Status indication on each channel
- No minimum load constraints
- Combined analogue and digital inputs
- 3 or 5 pin XLR and RJ45 DMX in/through connections
- Auxiliary +5V 50mA supply on RJ45 for external controllers (SceneMaster)
- Data LED indication
- Power LED
- Analogue inputs on all models via screw terminals and DIN sockets
- Maximum level control on each analogue input
- Auxiliary +22V 50mA supply on DIN socket to power remote desks etc
- Reference +10V 10mA supply on DIN sockets
- Manual channel test facility
- Additive preheat control
- Electronic ballast setting for electronic loads
- Compatible with SceneMaster control
- Compatible with SFX Sliders

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Technical Specifications

INPUT SUPPLY

Single phase connection – live, neutral and earth

OPERATING VOLTAGE: 215 to 245V AC
(operation on low voltage ac supplies possible)

FREQUENCY: 46 to 64Hz

Electronics protected by 100mA anti-surge 5 x 20mm glass fuse.

Choice of input isolator or RCD protection

OUTPUTS

4/8 channels of either zero voltage switching or phase controlled dimming

Type C circuit breaker protection on all channels

DIMMING PACKS

QD8 rating 4A rms per channel maximum
Current rise time > 100uS

QD4 rating 10A rms per channel maximum
Current rise time > 160uS

SWITCHING PACKS

QD8S rating 6A rms per channel maximum

QD4S rating 10A rms per channel maximum

CONTROL INPUTS

Merged DMX and analogue control inputs.
DMX control to USITT DMX 512 via screw terminals, XLR and RJ45.
Analogue inputs via DIN sockets and screw terminals, 0 to +10V DC input control range

DC OUTPUTS

+5V, 50mA regulated supply for external equipment

+10V, 10mA reference supply on DIN sockets

+25V, 50mA supply for remote desks etc on DIN sockets

OPERATION

Dimming or switching operation individually selectable for each channel.

Preheat from 0 to 25%.

Electronic ballast setting for electronic loads.

DMX start address from 1 to 511 settable on bcd switches.

If DMX input fails, last level is held indefinitely until DMX input is restored.

TEST MODE

All channels can be set to 100% by setting Dip switch 1, labelled ALL, on the 2 way Dip switch

INDICATORS

Mains on indicator.

Monitor LED indicator per channel.

DMX active LED indicator.

Breaker tripped indication of overload condition.

PHYSICAL / ENVIRONMENT

Rugged welded steel chassis construction.

H x W x D
240mm x 520mm x 85mm

Weight
QD4: 7.1Kg

QD8: 7.3Kg

COMPLIANCE

Complies with all current relevant parts of current CE regulations for EMC: EN55014 / EN50081 -1 emissions, EN50082 -1 immunity LVD: EN60439 / EN60950

Specifications and designs are subject to change without notice or obligation on the part of the manufacturer.

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