DIMMING / SWITCHING PACK

8CH – 4A | 4CH – 4A | 4CH – 10A | 16CH – 2A

ZICO wall-mount dimming/switching packs provide a robust and flexible solution for any lighting project. The range includes type C circuit in- and outbound breaker protection, along with the option to select either dimming or switching functionality for each channel. The dimmer circuitry is optimised to minimise RF interference and is compatible with all types of leading-edge dimmable load circuits, including inductive, capacitive and electronic loads - with no minimum loading constraints.

Item number: ZL-D-DIM884 | ZL-D-DIM844 | ZL-D-DIM410 | ZL-D-DIM162

- Robust range of economical wall mounting dimming / switching packs.

- Rugged steel enclosure.

- Leading edge control utilizing 25A power devices.

- 8 x 4 A, 4 x 4 A, 4 x 10 A and 16 x 2A dimming / switching models.

- Choice of dimming or switching function channel-by-channel, configurable via software.

- Status indication on each channel.

- No minimum load constraints.

- Combined analogue and digital inputs.

- DMX digital inputs. (RS232 option)

- RJ45 DMX in/through connections.

- Auxiliary +5V 50mA supply on RJ45 for external controllers.

- Data LED indication.

- Power LED.

- Analogue inputs on all models via screw terminals and DIN sockets.

- Maximum level control on each analogue input.

- Manual channel test facility.

- Additive preheat control.

- Auxiliary +22V 50mA supply on DIN socket to power remote desks etc.

- Reference +10V 10mA supply on DIN sockets.

- Comprehensive enable/disable input arrangements.

- Electronic ballast setting for electronic loads.

ZICO®
LIGHTING
WORLDWIDE

DIMMING / SWITCHING PACK

Analogue and digital control input data is combined to manage each channel, with DIN input connectors for direct connection to analogue control desks and RJ45 sockets for DMX In / Through connections from control desks, or for direct connection to ZICO's the wide range of interface-controlled architectural control panels and scene setting products.

An enable / disable input, additive preheat control, and full status indication complete a robust and cost-effective package, ideal for a variety of entertainment, architectural and commercial applications.

INPUT SUPPLY

- Single phase connection: live, neutral and earth.
- Operating range 215 - 245 Vac / 46 - 64 Hz.
- Operation on low voltage AC supplies possible.
- 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

- ZL-D-DIM884/DIM844 - rating 4A rms per channel max. Current rise time > 100 uS.
- ZL-D-DIM410 - rating 10A rms per channel max. Current rise time > 160 uS

CONTROL INPUTS

- Merged DMX and analogue control inputs.
- DMX control to USITT DMX 512 via RJ45.
- Analogue inputs via DIN sockets, 0 to +10V input control range (full range value adjustable between 5V and 25V).
- RS232 option merges analogue (standby) and RS232 commands.
- 0 to +10V enable /disable input on screw terminals

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 0-25%.
- 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 restored.
- Test mode : DMX input disabled, and channels can be individually switched from Off to either full On or to 50% dimming.

INDICATORS

- Mains on indicator. Monitor LED indicator per channel DMX active LED indicator.
- Breaker tripped indication of overload condition

PHYSICAL ENVIRONMENT

Rugged wall mounting steel chassis construction.

	NET	BOXED
H x W x D (MM)	240 x 520 x 85	260 x 540 x 105
ZL-D-DIM844	5.6 kg	7.1 kg
ZL-D-DIM884	7.3 kg	8.8 kg
ZL-D-DIM410	7.1 kg	8.6 kg
ZL-D-DIM162		
H x W x D (MM)	370 x 515 x 90	390 x 540 x 110
	9.0kg	9.5kg

Wall area required to facilitate mounting, and cooling / ventilation: H 365 x W 600 mm (H 495 x W600 mm for ZL-D-DIM162).

Recommended ambient operational temperature range 0 - 35°C.

COMPLIANCE

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