

DP I 602CB Dimming/Switching Pack

CB SERIES

DMX 512

Standard

Analogue

Option

RS 232

Option

NEW



The CB series of single phase wall mount dimming packs feature type C circuit breaker protection, hard fired triac technology and selection of either dimming or switching action on every channel. This compact 16 channel 2A rated dimming/switching pack is ideally suited for use in architectural applications and has no minimum load constraints. 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.

- Robust and economical range of wall mounting dimming/switching packs
- Rugged steel enclosure
- 16 channels rated at 2 A dimming/switching
- 16 x 2 A dedicated switching model available
- Up to 4 of the first 7 channels can be upgraded to 4 A per channel
- Hard fired, leading edge digital dimming control
- C type 2 A circuit breaker protection per channel
- Optional double pole (neutral disconnect) channel breaker option
- Double Pole mains isolator
- Optional RCCD or RCBO isolator protection on incoming supply
- Choice of dimming or switching channel by channel
- Status indication on each channel
- No minimum load constraints
- Choice of DMX or RS232 digital inputs
- 3 or 5 pin XLR (optional), RJ45 and screw terminals DMX in/through connections
- Auxiliary +5 V 50 mA supply on RJ45 for external controllers
- Analogue input option available
- Data LED indication
- Power LED
- Auxiliary +22 V 50 mA supply on DIN socket to power remote desks etc.
- Manual channel test facility
- Additive 0-25% preheat control
- Comprehensive enable/disable input arrangements
- Electronic ballast setting for electronic loads
- Compatible with Anylight architectural control systems
- Compatible with Anyscene and IR Anyscene DMX scene setting products
- Compatible with AMD range of DMX architectural slider controls via RJ45 socket

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DP/SP1602 CB Series Dimming/Switching Packs

The standard DMX in/through connections on XLR and RJ45 sockets are compatible with a wide range of control desks including those available from Anytronics. The RJ45 connection system provides simple and standardised power and data connection to the wide range of Anytronics architectural control panels and scene setting products.

RS232 Input Option

The alternative RS232 input on screw terminals and Cannon D connection system is based on Anytronics simple to use ASCII commands and is being increasingly used in home automation systems.

The enable/disable input, additive preheat control and full status indication complete a robust economic package which will prove useful in a wide range of entertainment, architectural and commercial applications.



INPUT SUPPLY

Single phase connection - live, neutral and earth.
Operating Voltage range 205 - 245 V ac, Frequency 46 - 64 Hz.
Electronics protected by 100 mA anti-surge 5 x 20 mm glass fuse and supply over voltage detection system.
Choice of double pole input isolator, RCD or RCBO protection.

OUTPUTS

16 channels of either zero voltage switching or phase controlled dimming.
Type C 2A circuit breaker protection on all channels.
Full load 10-90% dimming current rise time > 70 μ S.

CONTROL INPUTS

DMX control to USITT DMX 512 via screw terminals, XLR and RJ45.
RS232 option with Cannon D and screw terminals.
0-5 V or 0-10 V analogue input options.
0 to +10 V enable/disable input on screw terminals.

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 497 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.

DC OUTPUTS

+ 5 V, 50 mA regulated supply on RJ45 for external equipment.
+ 25 V, 50 mA supply for remote desks etc. on screw terminals.

INDICATORS

Mains on indicator.
Monitor LED indicator per channel.
DMX/RS232 active data LED indicator.
Breaker tripped indication of overload condition.

PHYSICAL / ENVIRONMENT

Rugged wall mounting steel chassis construction
H x W x D : 370 x 515 x 90 mm
Wall area required to facilitate mounting, and cooling/ ventilation:
H 500 x W 600 mm.
Weight: DP1602CB 9.0 kg Net 9.5 kg Gross
SP1602CB 7.5 kg Net 8.0 kg Gross
Recommended ambient operational temperature range 0 - 35°C

COMPLIANCE

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

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