'Plus' variants - Fuse Protected

GENERAL SPECIFICATIONS

DESCRIPTION

The Betapack 2 range of analogue and digitally controlled dimmer packs offer one of the most cost effective and versatile solutions to dimming currently available. Manufactured to the highest professional standards, this comprehensive range of 6 x 10 Amp packs includes variants with sockets to match most global standards. The 'Plus' range provides local control with 6 individual channel faders plus a master control.

SPECIFICATIONS

► Number of channels : 6
► Channel capacity : 0.1A min / 10A max
► Total dimmer capacity : 60A
► Dimmer duty cycle : 100%
► Supply Voltage :
   Single Phase (2 wire) 230V
   Three Phase Star (4 wire) 250/444V
   Three Phase Delta (3 wire) 230/115V
► Supply frequency : 50Hz
► Rise time : 80 uS
► Control input :
   DMX (where fitted) via 5 Pin XLR fixed male with loopthrough connector, accepts DMX512-1990. Start address set via 3 BCD switches
   Analogue : 0 to +/- 10V (Auto-sensing) via 8 pin locking DIN connector
   Local Control : 6 x faders with overall master control
► Channel outlet options :
   6 x 15A UK Sockets
   6 x 10A Swiss Sockets
   6 x 16A Schuko Sockets
   6 x 16A CEE17 Sockets
   6 x 16A French Sockets
► Desk supply : + or - 20V (100mA) Switchable from front panel
► Channel protection : 32mm 10A HRC
► Cooling : Convection via rear mounted heatsink
► Dimensions : 447(W) x177(D) x195mm(H)
► Weight : 8Kg

SUPPLIED ACCESSORIES

► Installation / Operating Instructions
► 2 x Spare 10A fuses
► 2 x Wall / Rack mounting brackets (fitted)

ORDERING INFORMATION

► Betapack 2 Plus 15A UK analogue and DMX : 00-303-11
► Betapack 2 Plus 16A Schuko analogue and DMX : 00-303-21
► Betapack 2 Plus 10A Swiss analogue and DMX : 00-301-22
► Betapack 2 Plus 16A French analogue and DMX : 00-303-23
► Betapack 2 Plus 16A CEE17 analogue and DMX : 00-303-61

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SPECIFICATION

CE Certified

ENGINEERING SPECIFICATIONS

SPECIFICATION

ELECTRONICS

The dimmer unit shall provide 6 channels of dimming control, each channel rated at a maximum of 10A. The dimmer channels shall be designed to run at 100% duty cycle.

The dimmer shall have a waveform rise time of 80 uS for each circuit, and shall be capable of dimming resistive and inductive loads and dimmable electronic transformers.

Each dimmer channel shall be protected by a 32mm 10A HRC fuse. Control input shall be analogue 0 to +/- 10 Volts via an 8 pin locking DIN connector. The dimmer shall auto-sense the control input voltage. The dimmer shall provide power for a manual lighting control console via the DIN connector, the voltage shall be selectable via a front panel switch and shall be capable of providing + or - 20 Volts.

DMX input (where fitted) shall be via a 5 pin XLR fixed male with XLR 5 fixed socket loopthrough connector. The dimmer shall accept DMX512-1990 and shall have DMX start address selection via front panel BCD switches. Status indicators on the front panel shall provide DMX present and DMX error information. DMX end of line termination shall be provided and shall be set via an internal link. The dimmer shall provide 2 dimming laws : linear and s-law. These laws shall be selectable via an internal link.

A DMX failure option switch shall dictate the actions of the dimmer in the event of a DMX control signal failure. Options shall be given to hold the last known lighting state, or fade to black in 3 seconds.

The dimmer shall feature a local control for each channel via a 100mm fader. The dimmer shall also be equipped with a master fader to control the overall level of the local control.

All control inputs shall be mixed on a highest takes precedence basis.

The dimmer channel preheats shall be adjustable, with dimmers being controlled in pairs for this purpose.

Dimmer outlets shall be via front panel mounted sockets complying with all local standards for the variant.

The dimmer shall be convection cooled, requiring no forced air within its normal operating range.

ELECTRICAL

The dimmer shall operate on single or three phase main supplies. Three phase supplies may be in Star or Delta configuration.

Power input shall be via four 5mm studs plus a case Earth. For single phase operation a busbar shall be provided for connection.
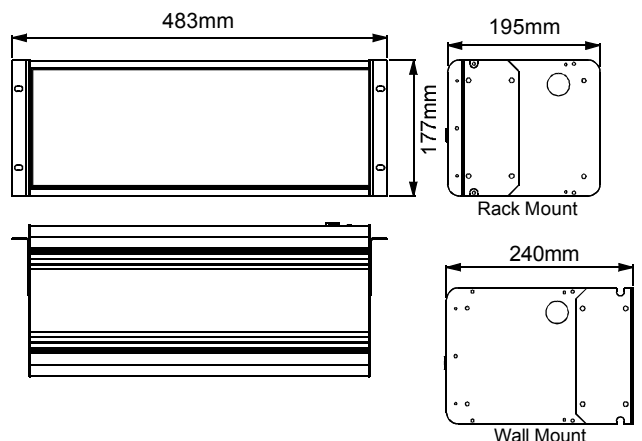
MECHANICAL

The dimmer shall be designed to be freestanding, wall-mounted or mounted in a 19" rack. The dimmer shall be 447mm wide x 195mm deep x 177mm in height. The top and bottom covers shall be constructed of extruded aluminium and shall be designed to facilitate easy removal for access to the dimming electronics. The front and end panels shall be 0.9mm gauge steel. All metal surfaces shall be properly treated and finished with specialist paints or powder coat. Front panel legends shall be screen printed. The rear heatsink shall be constructed of extruded aluminium and shall be in a natural aluminium finish. The dimmer shall have knockouts for cable entry in each end, with two knockouts in the rear. The size of all knockouts shall be PG21.

Output connections and operator controls shall be located on the front panel of the dimmer. The bottom cover of the dimmer shall be fitted with captive rubber feet.

The dimmer shall be fitted with reversible brackets to facilitate wall or rack mounting. These brackets shall be finished to complement the dimmer unit.

The normal operating environment for the dimmer shall be +5°C to +40°C.

483mm
195mm
177mm

Rack Mount

240mm

Wall Mount

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