

10 Amps per channel - MCB protection**GENERAL SPECIFICATIONS****DESCRIPTION**

The Rack 6, 2U rack mounting, digital dimmer offers one of the most cost effective dimming solutions available. Manufactured to the highest professional standards, this comprehensive range of 6 x 10 amp dimmers includes variants with sockets to match most global standards.

SUPPLIED ACCESSORIES

- ▶ Installation/Operating Instructions.

ORDERING INFORMATION

- ▶ Rack 6 15A UK DMX : 01-400-11
- ▶ Rack 6 16A Schuko DMX : 01-400-21
- ▶ Rack 6 Harting DMX : 00-400-41
- ▶ Rack 6 Socapex DMX : 00-400-42

**SPECIFICATIONS**

- ▶ Number of channels : 6
- ▶ Channel capacity : 0.1A min / 10 A max
- ▶ Total dimmer capacity: 60 Amps
- ▶ Dimmer Duty Cycle : 100%
- ▶ Supply Voltage : 230V (+10% -18%)
 - ▶ Single Phase (2 wire)
 - ▶ Three Phase Star (4 wire)
- ▶ Supply Frequency : 45 - 65Hz auto tracking
- ▶ Rise Time : 80 uS
- ▶ Control Input : DMX512 via 5 Pin XLR fixed male with loop through. (Isolated and Transient, protected to 15KV)
- ▶ RDM hardware ready
- ▶ ChilliNet enabled
- ▶ Channel Outlet options:
 - ▶ 6 x UK 15 amp
 - ▶ 6 x CEE17
 - ▶ 6 x Schuko
 - ▶ Single Socapex
 - ▶ Single Harting
- ▶ Dimmer Laws : 3 dimmer laws (Normal, Linear, Switch).
- ▶ Memories : 12 static
- ▶ User Interface : 7 segment display with navigation keys.
- ▶ DMX fail mode : DMX Hold, Fade to Black or Fade to Memory
- ▶ Programmable channel attributes
 - ▶ Preheat per channel (5%)
 - ▶ Dimmer law
- ▶ Channel Protection: 10A thermal magnetic circuit breaker.
- ▶ Cooling: Side mounted fan.
- ▶ Dimensions: 483mm (W) x 88mm (H) x 360mm (D)
- ▶ Weight: 8.0kg



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10 Amps per channel - MCB protection**ENGINEERING SPECIFICATIONS****ELECTRONICS**

The Dimmer unit shall provide 6 channels of dimming control, with each channel rated at a maximum of 10A. The dimmer 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 & inductive loads and dimmable electronic transformers.

Each channel shall be protected by a 10 A thermal magnetic circuit breaker. The circuit breakers shall have a 6000A breaking capacity.

DMX input shall be via a fixed 5 pin male XLR with a fixed 5 pin DMX loop through connector. The Dimmer shall accept DMX512-1990. The DMX start address shall be selectable via the user interface. Status indicators on the front panel shall provide information on DMX present, error and termination. DMX termination shall be selectable via the user interface. DMX failure options shall be set from the user interface and will provide for retaining last state, fade to set memory or fade to black over 3 seconds.

The dimmer shall provide three dimmer laws, switch, Linear and S. These laws shall be selected using the user interface. It shall be possible to select a preheat on a per channel basis. The preheat value shall be 5%.

Dimmer outlets shall be on the rear panel. A range of socket options shall be provided.

The dimmer shall be fan cooled. A temperature sensor on the main heatsink shall monitor the internal temperature of the dimmer. If the temperature exceeds pre-set levels, the output levels shall first reduce, then switch off altogether until the temperature falls to a safe level. It shall not be possible to override this feature.

The dimmer shall be compliant with ChilliNet protocol.

ELECTRICAL

The dimmer shall operate on star 3 phase or single phase. Connection shall be via screw terminals. Terminals shall accept a 10mm square cable.

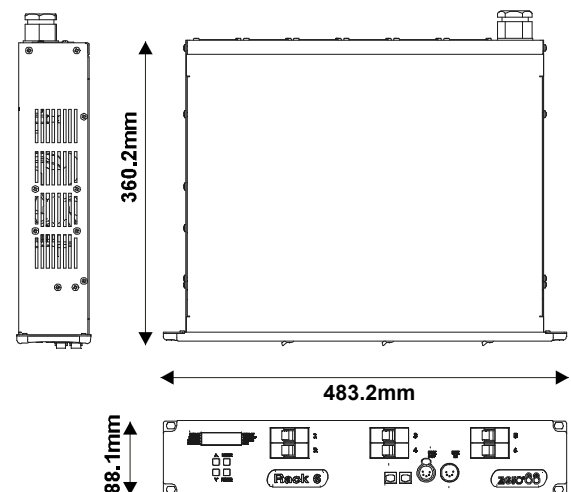
MECHANICAL

The dimmer shall be suitable for mounting in standard 19 inch rack. The dimmer shall be 483mm wide by 88mm high by 360mm deep. The unit shall be constructed from 0.9mm steel. The unit shall have a removable top cover to facilitate easy access to dimming electronics. The rear panel housing the sockets shall be removable to facilitate servicing. The front panel shall be injection moulded plastic. Legends shall be incorporated in this moulding. The rear panel shall have a knockout for cable entry. All output connections shall be on the rear panel.

All operator interfaces shall be on the front panel of the dimmer. The user interface shall comprise of 3 x 7 segment displays, 8 labelled LEDs and four buttons.

The unit shall be fitted with rack ears to facilitate rack mounting.

The normal operating environment for the dimmer shall be +5 deg to 40 deg Celsius.



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