MEMORACK 30

Rack-mount Digital Dimmer

Intelligent, all-digital dimmer racks in two configurations; **12 x 3 kW** or **6 x 5 kW**. Designed for professional applications in **stage**, **TV studio**, **architectural and location lighting**, whenever high performance, quality, endurance and reliability are the prime considerations. Specifically designed for heavy duty touring racks and for fixed installations in MEMORACK 180 cabinets or standard 19" racks. Available with all standard European outlets.

Main Features

- 5-key keypad, 12 character LED display and user friendly menus for easy access to all dimmer functions.
- Set-up functions can be limited to "DMX start address".
- Local controls for creation and storage of 20 lighting cues.
- Individual selection of dimmer address (patch), law, smoothing and multiplication factor.
- Fade smoothing (4000-step resolution).
- 10 dimmer laws (one is user-programmable).
- **Remote programming and monitoring capability**
  - from any other dimmer rack (standard)
  - from the NETBUS Dimmer Controller or a PC with the Dimmer Manager kit (options)
- **Extended diagnostics functions (option).**
- Professional grade filtering (200 µs), for efficient attenuation of lamp filament noise.
- Protection circuitry against accidental 400 V wiring.
- Local status reporting: 400 V - overtemperature - fan failure - processor check - presence of DMX signal - DMX and analogue control levels.
- Hard-fired thyristors for control of tungsten halogen lamps, resistive and inductive loads, transformer-fed low voltage lamps, fluorescent lighting with suitable ballasts.
- Local test of a dimmer (steady, flash or chaser).
- Automatic self-test capability.
- Programmable response to a DMX failure.
- Low noise fan(s) for effective cooling, with automatic fan-stop.
- overtemperature protection through gradual dimmer fade out.

Supplied with

- instruction manual

ADB
Lighting Technologies

Technical Specifications

- power supply: 230 V / 400 V Star 3NPE (TN-S), 50/60 Hz.
- power supply on HARTING socket 4 x 80 A + PE
- individual protection by MCB/1P (standard version), optional 1P+N protection with MCB's or HRC fuses with "fuse OK" neon indicator and slot for spare fuse.
- suitable for continuous duty (3 kW or 5 kW per dimmer) at 35°C; MemoRack 30: max. total load 30 kW.
- DMX512/1990 input (XLR5) with galvanic isolation + ADN bidirectional serial port (EIA-485). Optional analogue inputs 0/+10 V (DB25-S)
- **dual DMX input with patch upon request.**
- for MEMORACK with AMP outputs and standard 1P protections, N and PE to the loads should be wired externally.
- for MEMORACK with AMP outputs and optional '1P+N' protections, PE to the loads should be wired externally.
- rear panel DMX input on IEEE 488 connectors. Optional: front panel DMX input on XLR5
- rear panel power outlets on AMP connectors or Harting for 3 x 12 kW.

Architectural Applications

The KIT/INPUT/ANA/24 analogue input option allows remote control by means of

- analogue control desk (0/+10V), or
- 3-position selector switch (up - down - steady), one switch can control one or several dimmers, or
- remote storage, playback and dimming of the 20 memories; direct access, one switch per memory

Advanced Dimmer Network (ADN)

Dimmers of the MEMOPACK / MEMORACK / EURORACK 60 / EURODIM 3 families can be networked over the DMX cable via a proprietary bidirectional protocol for the purpose of remote programming, monitoring, fault reporting and memory management from the NETBUS Dimmer Controller or a laptop PC with the Dimmer Manager kit, which also provides a gateway to an Ethernet network

Characteristics

Power Supply	: 3 NPE 400 (TN.S) 220 to 240 V +/- 10%, 50/60 Hz

Dimensions

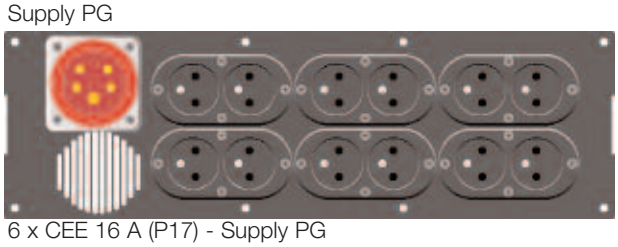
W x D x H (mm)	: 19" x ... x 3U
Net Weight (kg)	: ...

MEMORACK 30

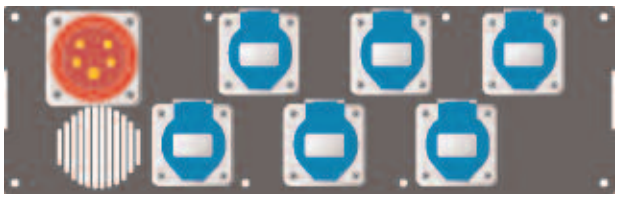
Standard Outlet Panels

- Outputs

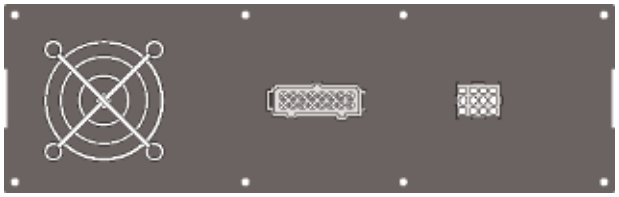
6 x twin NF/CEBEC or 6 x twin Schuko or 6 x triple Swiss Supply PG



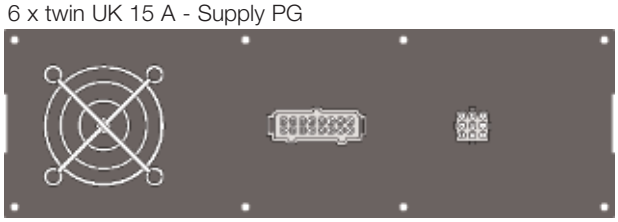
6 x CEE 16 A (P17) - Supply PG



2 x AMP (12P - 15A) - Supply PG



6 x twin UK 15 A - Supply PG



2 x AMP (9P - 25A) - DMX connector (DDK) at the rear - Supply HARTING. For use in MEMORACK 180

Options and Accessories

- Fuse/1P+N instead of MCB/1P protection, for 12 dimmers
- Fuse/1P+N instead of MCB/1P protection, for 6 dimmers
- Fuse/1P+N instead of MCB/1P protection, for 3 dimmers
- MCB/1P+N instead of MCB/1P protection, for 12 dimmers
- MCB/1P+N instead of MCB/1P protection, for 6 dimmers
- MCB/1P+N instead of MCB/1P protection, for 3 dimmers
- analogue input 0/+10 V retrofit kit, for 6 dimmers
- analogue input 0/+10 V retrofit kit, for 12 dimmers
- for remote memory control:
  analogue input 0/+10 V retrofit kit with 24 inputs
- **NETBUS Remote Dimmer Controller**
- Dimmer Manager kit including NETPORT/XT converter and software for PC

This equipment complies with all applicable European directives and carries a CE mark.

- pair of telescopic guides - 1 required per MR30 or MR15
- XLR5-M connector
- XLR5-F connector
- AMP output kit: factory-crimped mating connector with 2 m colour coded cable
  - AMP kit for 12 x 3 kW (1P+N)
  - AMP kit for 6 x 5 kW (1P+N)
- **extended diagnostics functions**

Retrofit Kits

- 12 Analogue inputs, DB25-S receptacle
- Telescopic guiding rails

Front Panel Indications

- Presence of DMX signal
- Microprocessor running
- Error messages (temperature warning, DMX error, 400 V, fan error …)

Protections

- HRC fuses, single pole 10.3 x 38 mm
- Supply and "fuse OK" indicators integrated in the fuse-holders
- Protection circuitry against accidental 400 V wiring errors
- Overtemperature protection (gradual fade-out)

Local Control without Lighting Desk

- Flashing of one dimmer for easy luminaire identification in a rig
- Chaser
- Setting of a dimmer level
- Creation, editing and play-back of 20 lighting cues
- "Panic" cue

Communications

- DMX512/1990 digital input
- Analogue inputs (option) : 0/+10V or 0/370 µA
- Diagnostic network (RS485) option

Remote control and Diagnostic (option)

- Selective diagnostic: microprocessor assisted automatic detection of short-circuit, presence of load, failed fuse
- Remote programming of the patch, dimmer law selection, smoothing, memorised cues Remote reporting of Diagnostic check (if applicable)
- Programming and reporting network on XLR 5 connectors, with warning message in case of confusion with DMX Remote Memory Control Requires "Analogue Inputs" option
- Direct selection of any of the 20 memories for playback or recording from DMX, with a simple SPST switch per memory used
- Automatic or manual chaser through the memories, with fade and wait times. Remote "fade now to next cue" by means of a simple SPST switch
- The local memories can override DMX levels, for use as back-up states. Or they can mix with DMX (Highest-Takes-Precedence). Applications include architectural control, and a common MEMORACK 180 dimmer cabinet for different rooms

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DS-3093-E-06h Subject to modifications