Alex M / Alex Mx

Alex M *is a compact dimmer pack with 12 x 2,5 kVA or 6 x 5 kVA thyristor output stages.*

Alex MX: *Electronic base load allows effective dimming of fluorescent lamps.*

Many functions – simply set via clear menus – support a wide range of applications.

Operating frequencies of 50 Hz or 60 Hz.

Due to its broad input voltage range **Alex M / Alex Mx** *is ideally suited for use on generators.*

Alex M offers reliable dimming of resistive and inductive* loads. Alex Mx indcludes an integrated electronic base load for convenient dimming of fluorescent lamps. The robust 19" rack-mountable unit is ideal for mobile use or as a stationary device.

You can use the DMX512 or 0–10 V analog for control. When the DMX512 input signal is lost, you can choose to output the last cue, switch off the outputs, run a sequence or to fade in one of 12 presets. All settings are stored in a non-volatile EEPROM and can be changed at any time.

Features:

- 12 auxiliary groups operated independently from the lighting console
- 5 control curves, including NONDIM
- 1 chaser with adjustable hold and fade-times and independent sequence selection
- Individual 0–30 % preheat setting for each channel
- Output limit adjustable from 30–100 % for each channel
- Temperature-controlled forced cooling
- Operating hours meter
- Menu-controlled setting with buttons and encoder

Alex M /
Alex Mx

Technical data

Construction
19" rack-mountable unit as a standalone device or for mounting in a flight case or rack

Display
LCD, 130 x 70 mm, CFL backlit, 240 x 128 pixel

Computer system
Modern processor architecture using SMD technology

Interfaces
DMX (5-pin XLR)

RS 232 (9-pin submin-D male connector)

Analog (15-pin submin-D female connector)

Link to link a number of devices

Multicore output socket, protected with 12 miniature circuit breakers

1 m connection cable (5 x 6 mm²) with CEE plug

Power supply
400 V AC; 3 P + N + PE
CEE 32 A or CEE 63 A
per phase 200 up to 265 V AC max
48 up to 52 Hz or 58 up to 62 Hz (automatic switchover)

Power input
CEE connector 5 x 32 A or 5 x 63 A

Load output
Multicore (Harting, Socapex), others upon request

Dimensions
19", 3 U (132 mm), approx. 400 mm deep without connectors

Weight
28 kg

Cooling
Temperature-controlled fan

Safety class: IP 21

Ambient temperature Recommended: 0 to 35 °C

Atmospheric humidity:
0 % to 90 % (non-condensing)

Noise: 37dBA

Safety
In accordance with
EN 60439-1:1999
Following the provisions of
EU LV Directive(s) 2006/95/EC

EMI
EN 55015:2006 and EN 61000-6:2001

Option
Residual Current Device (RCD) 63 A / 30 mA

- An extremely high-contrast CFL backlit display makes it easy to read in high ambient lighting conditions
- DMX addressing can be set individually for each channel via the display on the front panel
- DMX and analogue control inputs combine in real-time for maximum control responsiveness
- Integrated electronic base load for convenient dimming of fluorescent lamps (Alex Mx)
- Sources of the control signals: DMX, Analog, Stored presets (individual or simultaneous)
- Cold lamps can be powered up with no restrictions
- Alex M and Alex Mx use the following control curves:
  - Linear
  - Halogen (currently not implemented)
  - Fluorescent lamps
  - Logarithmic
  - Non-Dim

Output stages

Nominal rating	12 x 2,5 kVA or 6 x 5 kVA**
Power dissipation	
12 x 2,5 kVA	< 1 % (300 W) at full output
6 x 5 kVA	< 2 % (600 W) at full output
	90 W at no-load operation
Minimum load	not required (0 VA) with Alex Mx
DC offset on output	± 1 V (control symmetrical)
cos φ of the controlled load	≥ 0,4
Risetime	400 µs

* 50 % power output with inductive loads

** Alex Mx not available as 5 kVA model