

Portable Dimmer Pack

MARS	3600	3Kw	6 channels
MARS	5600	5Kw	6 channels
MARS	3120	3Kw	12 channels



MARS 3120



MARS 5600



LCD Control Panel and Cooling Fan



The MARS portable dimmer pack is high performance, reliable and ideal for theatre, TV studio, rental staging as well as architectural lighting application. The MARS dimmer is a composition of rigid aluminium alloy front panel and steel construction chassis. This rack mount unit with its LCD display panel provides flexible and user-friendly dimmer setup operation for the MARS.

Mechanical Data

Construction	Rigid aluminium alloy extrusion front panel, Chassis made of steel sheet construction.
Paint / finish	Black anodized front panel, steel chassis coated with black epoxy-polyester powder paint.
Mounting	19", 3U standard rack mounting, detachable mounting brackets.
Rear	Separate terminal compartment; Input cable gland (for cable max. dia. 24mm) various configuration output.
Handle	Chrome plated metal handles.

Electrical Data

Model	MARS 3600	MARS 5600	MARS 3120
Power input	380VAC~420VAC three phases four wires plus earth or 200VAC ~ 240VAC single phase two wires plus earth Input cable via cable gland connects at terminal compartment.		
Frequency	50Hz or 60Hz		
Channel protection	Electromagnetic MCB, Single Pole or Double Pole		
MCB rating current	16A	25A	16A
Breaking capacity	6000A	6000A	6000A
Max. load per channel	13A@220V	23A@220V	13A@220V
Min. load per channel	110W	110W	110W
Rise time	150 μs	140 μs	150 μs
Dimmer duty cycle	100%		
Power outputs	Hardwired and various connectors (refer to output connections)		

Operation Data

Input signal	USITT DMX512-A, XLR 5-pin male
Loop out signal	USITT DMX512-A, XLR 5-pin female
Display	12 x 2 LCD with backlight, 4 navigation buttons
LED status indicator	System, DMX signal, individual channel indicators

Dimmer Features

Display	System information: voltage per phase / temperature / software version.
Dimming curve	5 types: Linear / Normal / Square / Non-dim / Delay non-dim
DMX patching	Starting address / individual channel patch
Top set	Adjustable (50-100%) for each channel
Pre-heat	Adjustable (0-50%) for each channel
Backup Scene	8 recordable scenes; recall by manual or assigned DMX channel
Effects	8 pre-load chase effects
Cooling fan control	3 modes: Auto / On / Off
Input DMX signal loss	3 modes: last scene hold / black out / recall backup scene
Self testing function	Fading / flash for selected channel
DMX termination	On / Off

Environmental Data

Operation humidity	5-95% non-condensing
Operation temperature	0-40°C (32-104°F)

Standards

CE LVD directives	EN60439-1; EN60439-2; EN60950-1
CE EMC directives	EN61000-6-3 (superseded EN50081-1:1992) EN61000-6-1 (superseded EN50082-1:1997) EN55014-1; EN55015:2006+A1; IEC 61000-2-2

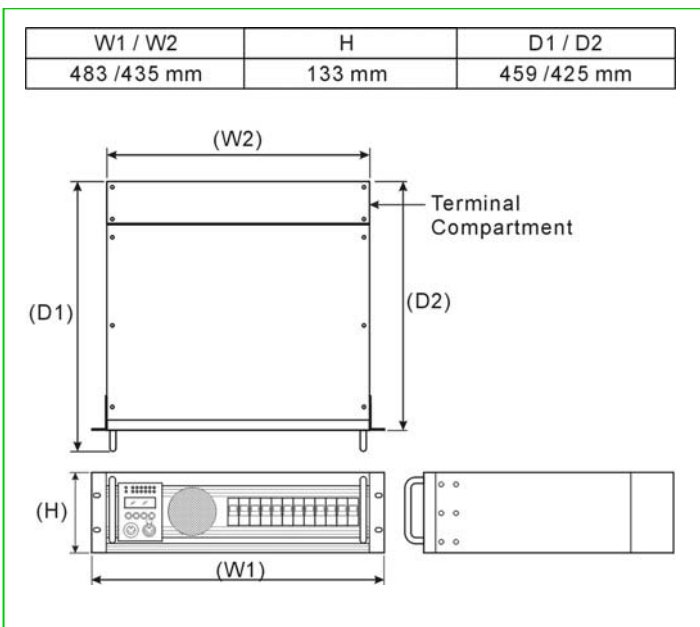
Output Connections

Model suffix	Socket type
S 1	CCC SMS16 (16A)
S 2	CCC SMS 32 (32A)
S 3	CEE17 (16A)
S 5	UK round pins (15A)
S 6	Hardwired terminals
S 7	19-pin socapex (20A)
S 9	Schuko (16A)

Note: For S1, S2 models only, output male plugs are included

Physical Data

Model	MARS 3600	MARS 5600	MARS 3120
Net weight	15 kg	15 kg	18 kg
Gross weight	18 kg	18 kg	21 kg
Packing size	W / D / H	W / D / H	W / D / H
	545*575*210	545*575*210	545*575*210



Macostar reserves the right to change the specification without prior notice.
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Ordering Information

Model	Power/Channel	MCB Type	Order number
MARS 3600 -S1	3Kw/6 Ch	Single Pole	D9H0
-S3		Single Pole	D5A0
-S5		Single Pole	D5B0
-S6-H1		Single Pole	D9Q0
-S6-H2		Double Pole	-
-S7		Single Pole	D5D0
-S9		Single Pole	-
MARS 5600 -S1	5Kw/6 Ch	Single Pole	D9U0
-S2		Single Pole	DA10
-S6-H1		Single Pole	D9X0
-S6-H2		Double Pole	-
-S7		Single Pole	DA30
MARS 3120 -S1	3Kw/12 Ch	Single Pole	D550
-S6-H1		Single Pole	D560
-S6-H2		Double Pole	-
-S7		Single Pole	D570
-S9		Single Pole	-

Accessory

Order number	Description
MARS9U	19" Equipment Rack, 9U, matt black 525W x 445H x 530D
MARS13U	19" Equipment Rack, 13U, matt black 525W x 620H x 530D
	XLR 5pin male plus(1pc included) XLR 5pin female (1pc included) DMX terminator plug CCC RSP32 32A male plug CCC RSP16 male plug

