DIMMASET PSU (4-way)

Input voltage: 100VAC
Main fuse (rear):   4A (T) 20x5mm Anti-surge Ceramic fuse

Output voltage: 24 - 28VDC,   4Amps
Output fuse (front):   6.25A (T) 3AG Anti-surge glass fuse

DMX Input: Input from control DMX signal
DMX Thru: Link Output - DMX signal to next unit

DIMMASET CONNECTORS

The Dimmaset shutter units and power supply uses 4pin XLR cannon connectors for input and output connections between each unit.

4pin connector wiring configuration:
PIN 1:   SUPPLY GROUND & SIGNAL GROUND (SHIELD)
PIN 2: DMX (-) DATA, Buffered from input DMX
PIN 3:   DMX (+) DATA, Buffered from input DMX
PIN 4:   +24-28VDC SUPPLY TO DIMMASET UNITS

DIMMASET CABLE CONNECTIONS

Dimmaset connection cables are wired PIN 1 to PIN1, PIN 2 to PIN 2, etc.

Note:
PIN 1 and PIN 4 supply power to each Dimmaset units and can carry up to 4Amps.
PIN 2 and PIN 3 should be shielded with PIN 1.

Preferred cable size for wiring configuration:
PIN 1: $0.75mm^2$ to $1.0mm^2$
PIN 2: $0.1mm^2$ or thicker
PIN 3: $0.1mm^2$ or thicker
PIN 4: $0.75mm^2$ to $1.0mm^2$

The multi-core cable selected should have at least one overall screen to shield the two data cables PIN 2 and PIN 3. If data cables are not properly shielded, the operation of the Dimmaset shutter units may be unreliable.

If the conductors for PIN 1 and PIN 4 are too thin, the response of the Dimmaset shutter units may be slow or unreliable over long cable runs.

Care must be taken when constructing the cable, as short circuits between pins may damage the Dimmaset power supply DMX buffers and/or the Dimmaset shutter units DMX receivers.

DIMMASET ADDRESSING

DMX start address is selected on rotary switches on the underside of each Dimmaset shutter unit. Ensure you use a small FLAT BLADED screwdriver to avoid any damage to the switch pointer.

DMX START ADDRESS: 1 to 512
DIMMASET TEST MODE: 999 (Shutters fully open and close continuously)
Dimmaset uses 1 channel per unit

Level output of shutters:
AT CHANNEL LEVEL 0:   Shutters is fully closed
AT CHANNEL LEVEL 255: Shutters is fully open

If the DMX feed to the unit stops, the shutters remain in the last set position for 30 seconds, then move to the fully open position.

If power to the Dimmaset is removed or interrupted, the shutters will fully open to protect the shutter blades from heat damage, as the internal fan will not run if there is no power supplied to the unit.