

## ENTERTAINMENT DIGITAL DIMMER

DDE Series is superior technology allows Digital (DMX-512) lighting control and the ability to handle complex and large scale projects DDE Series. Is convenient setup and is suitable for both on-tour and permanent installation

### DDE Series

#### Feature

1. Circuit controlled by Microcontroller.
2. System is protected from excess power or short circuiting by Fuse.
3. Voltage isolation between the control system and power system is ensured safety by the opto-isolator
4. RFI Suppression noise protection system employing the Toroidal Choke and the R-C Network.
5. Solid State Thyristor Phase Power Control System (Triac).
6. Lock Key function to prevent operational error.
7. "E<sup>2</sup> PROM" data loss protection system (No need for battery back-up)
8. 40° C Maximum ambient temperature for 100% duty cycle.
9. Light dimming by the "Square Law "B" Dimming Curve".
10. Compatible with 1Phase 2 Wires 220V. AC 50Hz and 3 Phase 4 Wires 220/380V. AC 50 Hz
11. Compatible with Incandescent, Halogen, Halogen low voltage, Fluorescent, LED and other.
12. Compatible with control signal input at DMX-512 protocol and Internal Memory (8 Scene).
13. Set Rack address from frontal panel control.
14. 19" Standard Rack mounting (2 U.)
15. Independent dim or non-dim functions selection by the touch of a button for all channels.
16. LED display of Main Supply and DMX Input.
17. Filament pre-heat can be selected on a per-channel .
18. Load testing with Function Auto Fade Testing.
19. Find the dim level of each channel with the Function Monitor.



## Technical Specification

Digital Dimmer Modules	DDE-406	DDE-212
Channels	6	12
Max. Load / Channel (kW.)	4 kW.	2 kW.
Max. Load / Channel (Amp.)	20A.	10A.
Power Supply	1-Phase, 2 Wires 200-240 V.AC. 50 Hz.	
	3-Phase, 4 Wires 200-400 V.AC. 50 Hz.	
Load Type	Incandescent, Halogan, Halogen low voltage, Fluorescent, Cold Cathode and other.	
Dimmer Curve	Square Law "B" Dimming Curve	
Power Device	Thyristor Phase Control	
RFI. Suppression	Toroidal Choke and R-C Network	
Protection	Fuse	
Ventilation	Heatsink and Fans	
Ambient Temperature	40° C	
Input Control	DMX-512	
Internal Memory	8 Scenes	
Wiring Power Supply	1 Phase 2 Wires 200-240 V.AC. 50 Hz. THW. 10-35 mm <sup>2</sup> Screw Terminal	
	3 Phase 4 Wires 200-400 V.AC. 50 Hz. THW. 6-16 mm <sup>2</sup> Screw Terminal	
Wiring Load	4 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Wiring Control Signal	DMX Cable	
Connectors Supply Input	Terminal Blocks	
Connectors Output (Load)	Terminal Blocks or Outlet	
Signal Input and Output	XLR 3 Pin	
Dimensions WxHxD (mm.)	480 x 88 x 440	
Weight Approx (kg.)	10	11
Mounting	Standard Rack 19"	

## Model Information

DDE-406 Digital Dimmer Rack 4 kW. X 6 Ch.

DDE-212 Digital Dimmer Rack 2 kW. X 12 Ch.

