THEATRE & STUDIO DIGITAL DIMMER

DDR Series is a development from Diligent Digital Dimmer. It's superior technology allows Digital (DMX-512) lighting control and the ability to handle complex and large scale projects DDR Series. Is convenient to setup and is suitable for both on-tour and permanent installation.

DDR Series

Feature

1. Circuit controlled by Microcontroller.
2. Up to 32 program settings.
3. System is protected from excess power or short circuiting by MCB. under IEC/EN 60898 standards
4. Voltage isolation between the control system and power system is ensured safety by the opto-isolator with AC. voltage tolerance valued at 7,500 volts.
5. RFI. Suppression noise protection system employing the Toroidal choke and the R-C Network. Meet with BS 800, VDE 0875 and CISPR 14 (EN55015), (EN55022),(EN50081) standards.
6. Heat ventilation using heat sink. and fan units controlled by a microcontroller.
7. Solid State Thyristor phase power control “SCR” back to back.
8. Light dimming by the “Square Law “B” Dimming Curve
9. “E^2 PROM” data loss protection system (No need for battery back-up)
10. 40^0C Maximum ambient temperature for 100% duty cycle.
11. Panic override function (By-Pass System)
12. Compatible with Incandescent, Halogen, Halogen low voltage, Fluorescent, LED and other.
13. Can be Programmed by front panel
14. Scene recall using by front panel and remote control.
15. Load test with auto fade testing function.
16. Lamp indicator each channel.
17. Function Monitor : For easy viewing of lighting level of each channel
18. Independent setting for Dim or Non-Dim function.
19. Start Dimming can be set on a per-channel basis (0-100%).
20. Start Non-Dim can be set on a per-channel basis (0-100%).
21. Filament Preheat can be set on a per-channel basis (0-20%).
22. Output Limit can be set on a per-channel (0-100%) basis.
23. Fade time setting for scene change (0-60 Minutes)
24. Analog output 0-10Vdc. (Optional)
25. Master/Slave setting for system control management.
26. Lock key function to prevent operation.
27. Start address (DMX-512) Setting.
28. Standard Rack 19" (3U.).
29. Compatible with control signal input at DMX-512 and Lunar protocol (RS-485)
30. Compatible with 1-Phase, 2 Wires 200-240 V.AC. 50Hz. and 3-Phase, 4 Wires 200/400V.AC. 50 Hz.
31. CE EMC Standard.

Dimsense
SENSIBLE DIMMER

Technical Specification

Digital Dimmer Racks	DDR-206	DDR-212	DDR-506
Channels	6	12	6
Max. Load / Channel (kW.)	2 kW.	2 kW.	5 kW.
Max. Load / Channel (Amp.)	10A.	10A.	25 A.
Supply voltage	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		
Phase Control	Forward Phase Control		
RFI. Suppression	Toroidal Choke and R-C Network		
Short Circuit Protection	Miniature Circuit Breaker		
Ventilation	Heatsink and Fans		
Max. Ambient Temperature	40^{o} C		
Display	LCD. 16x2		
Input Control	DMX-512 or Lunar protocol (RS-485)		
Internal Memory Back-Up	32 Scenes		
Wiring Power Supply	1 Phase 2 Wires 200-240 V.AC. 50 Hz. THW. 10-35 mm^2 Screw Terminal		
	3 Phase 4 Wires 200-400 V.AC. 50 Hz. THW. 6-16 mm^2 Screw Terminal		
Wiring Load	2.5 mm^2	2.5 mm^2	4-6 mm^2
Wiring Control Signal	UTP CAT-5, RS-485 (IT BELDEN 9841/9842) or Equivalent		
Connectors Supply Input	Terminal Blocks		
Connectors Output	Terminal Blocks or Outlet		
(Load) Connector			
DMX.Signal Input	XLR 5 Pin		
and Output(Daisy Chain			
Dimensions WxHxD (mm.)	480 x 132 x 435		
Weight Approx (kg.)	12	16	14
Weight Gross Approx (kg.)	12.5	16.5	14.5
Mounting	Standard Rack 19"		

Model Information

DDR-206 Digital Dimmer Rack 2 kW. X 6 Ch.

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

DDR-506 Digital Dimmer Rack 5 kW. X 6 Ch.

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