

# ACHITECTURAL THEATRE AND STUDIO DIGITAL DIMMER

## Dimsense Plug-In Module

DDM 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.

## DDM Series

### Feature

1. Circuit controlled by Microprocessor.
2. System is protected from excess power or short circuiting by MCB. under IEC/EN 60898 standards.
3. Plug-in Module.
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
7. Rise Time 400 $\mu$ S @ 220 Vac.
8. Solid State Thyristor phase power control system.(SCR).
9. "E<sup>2</sup> PROM" data loss protection system (No need for battery back-up).
10. Compatible with 1-Phase, 2 Wires 200-240 V.AC. 50Hz.
11. Compatible with control signal Input at USITT DMX-512
12. Panic override function (By-Pass System)
13. Can be Use Function by Front panel.
14. Independent setting for Dim or Non-Dim function.
15. Fade test Function.
16. Start address (DMX-512) Setting.
17. CE EMC Standard



## Technical Specification

Digital Dimmer Modules	DDM-53	DDM-53/R
Channels	1 Ch.	
Max. Load / Channel (kW.)	5 kW.	
Max. Load / Channel (Amp.)	25 A.	
Power Supply	1- Phase , 2 Wires 200-240 V.AC. 50 Hz.	
Load Type	Incandescent, Halogen, Halogen low voltage, fluorescent, Cold Cathode and Other.	
Dimming Curve	Square Law "B" Dimming Curve	Relay
Power Device	Thyristor Phase Control (SCR)	Relay
Phase Control	Forward Phase Control	Relay
RFI. Suppression	Toroidal Choke and R-C Network	Relay
Protection	Miniature Circuit Breaker	
Ventilation	Heat sink and fan units	
Max. Ambient Temperature	45 <sup>o</sup> C	
Lamp Indicator	Load OK.	
Display Power On	LED (Red)	
Display DMX Mode	LED (Green)	
Base and Housing	Plug-In Module	

## Model Information

DDM-53                    Digital Dimmer Plug-In Module 5 kW.

DDM-53/R                Digital Relay Plug-In Module 5 kW.