

ACHITECTURAL DIGITAL DIMMER

Dimsense Panel

DSP Series comprises product which are technologically-advanced by the employment of the R&D working line, similar to "Art-Line Series":

DSP-6912 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 or relay control system.
8. Light dimming by the "Square Law "B" Dimming Curve
9. "E² PROM" data loss protection system (No need for battery back-up)
10. 40°C 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 and Hand Held Programmable.
14. Scene recall using by front panel and remote control.
15. Load test with auto fade testing function.
16. Function Monitor : For easy viewing of lighting level of each channel
17. Independent setting for Dim or Non-Dim function.
18. Start Dimming can be set on a per-channel basis (0-100%).
19. Start Non-Dim can be set on a per-channel basis (0-100%).
20. Filament Preheat can be set on a per-channel basis (0-20%).
21. Output Limit can be set on a per-channel (0-100%) basis.
22. Fade time setting for scene change (0-60 Minutes)
23. Analog output 0-10Vdc. (Optional)
24. Master/Slave setting for system control management.
25. Lock key function to prevent operation.
26. Can be patch channel.
27. Start address (DMX-512) Setting.
28. A choice of wall mounted and Cable Tray installations.
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.



Technical Specification

Digitel Dimmer Housing	DSP-6912-1	DSP-6912-2	DSP-6912-3	DSP-6912-4	DSP-6912-5	DSP-6912-6	DSP-6912-7	DSP-6912-8	DSP-6912-9	DSP-6912-10
	DSP-6912-1A	DSP-6912-2A	DSP-6912-3A	DSP-6912-4A	DSP-6912-5A	DSP-6912-6A	DSP-6912-7A	DSP-6912-8A	DSP-6912-9A	DSP-6912-10A
Max. Load / Channel (kW.)	0.5 kW.	1 kW.	2 kW.	2 kW.	3 kW.	5 kW.	2 kW.	2 kW.	5 kW.	5 kW.
Max. Load / Channel (Amp.)	2.5 A.	6 A.	10 A.	10 A.	16 A.	25 A.	10 A.	10 A.	25 A.	25 A.
Supply Voltage	1-Phase, 2 Wires 200-240 Vac. 50 Hz. , 3-Phase, 4 Wires 200-400 Vac. 50 Hz.									
Load Type	Incandescent, Halogen , Halogen Low Voltage , Fluorescent , LED , Cold Cathode and Other									
Power Device	Thyristor Phase Control						Relay			
Phase Control	Forward Phase Control						Relay			
RFI Suppression	Toroidal Choke and R-C network						Relay			
Short Circuit Protection (MCB)	✓	✓	✓	✓	✓	✓		✓		✓
Ventilation	Heatsink and Fans									
Max. Ambient Temperature	40°C									
Input Control	DMX-512 or Lunar Protocol (RS-485)									
Display	LCD. 16 x 2									
Wiring Power Supply	1-Phase, 2 Wires 200-240 Vac. 50 Hz. : THW. 10-35 mm ² Screw Terminal									
	3-Phase, 4 Wires 200-400 Vac. 50 Hz. : THW. 6-16 mm ² Screw Terminal									
Wiring Load	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²	4 mm ²	4-6 mm ²	2.5 mm ²	2.5 mm ²	4-6 mm ²	4-6 mm ²
Wiring Control Signal	UTP Cat-6 , RS-485 Cable 24 AWG 4C Shield									
Connector Input-Output	Internal Terminal Blocks									
RS-485 , DMX-512 Input-Output	Internal Terminal Blocks : Daisy Chain									
Analog Signal Output	For DSP-6912-XX-A Only									
Dimensions WxHxD (mm.)	351 x 610 x 114									
Weight Gross Approx (Kg.)	15.3	15.3	13.2	15.3	17	15.3	10	10	10	10
Mounting	Wall Mounted and Cable Tray									

Model Information

DSP-6912-1	Digital Dimmer 2.5 A. x 12 Ch.	DSP-6912-1A	Digital Dimmer 2.5 A. x 12 Ch. 0-10 Vdc.
DSP-6912-2	Digital Dimmer 6 A. x 12 Ch.	DSP-6912-2A	Digital Dimmer 6 A. x 12 Ch. 0-10 Vdc.
DSP-6912-3	Digital Dimmer 10 A. x 6 Ch.	DSP-6912-3A	Digital Dimmer 10 A. x 6 Ch. 0-10 Vdc.
DSP-6912-4	Digital Dimmer 10 A. x 12 Ch.	DSP-6912-4A	Digital Dimmer 10 A. x 12 Ch. 0-10 Vdc.
DSP-6912-5	Digital Dimmer 16 A. x 12 Ch.	DSP-6912-5A	Digital Dimmer 16 A. x 12 Ch. 0-10 Vdc.
DSP-6912-6	Digital Dimmer 25 A. x 6 Ch.	DSP-6912-6A	Digital Dimmer 25 A. x 6 Ch. 0-10 Vdc.
DSP-6912-7	Digital Relay 10 A. x 12 Ch. (Feed Thru)	DSP-6912-7A	Digital Relay 10 A. x 12 Ch. 0-10 Vdc.
DSP-6912-8	Digital Relay 10 A. x 12 Ch. (Feed In)	DSP-6912-8A	Digital Relay 10 A. x 12 Ch. 0-10 Vdc.
DSP-6912-9	Digital Relay 25 A. x 12 Ch. (Feed Thru)	DSP-6912-9A	Digital Relay 25 A. x 12 Ch. 0-10 Vdc.
DSP-6912-10	Digital Relay 25 A. x 12 Ch. (Feed In)	DSP-6912-10A	Digital Relay 25 A. x 12 Ch. 0-10 Vdc.