SPWM-75/ 150/ 240 Series: 75W~240W Constant Voltage Dimming / Color Tuning LED Drivers

INTRODUCTION

MEAN WELL has been the industry leader of LED lighting drivers and smart lighting applications for decades. The PWM series of constant voltage dimmable LED drivers are well-received by the market. To further enrich the constant voltage dimming/color tuning LED driver product portfolio, MEAN WELL is proud to introduce the SPWM series, which complement the existing PWM series.

The SPWM-75/150/240 series features a light gray elongated plastic housing and terminal-style interfaces. The products allow flexible configuration of dimming, color temperature adjustment, and color tuning, achieving multi-functionality in a single unit. We are launching the 3-in-1 dimming and DALI-2 dimming/color tuning options now; the KNX/Matter dimming/color tuning models are coming soon.

Below is the comparison chart between the PWM and SPWM series:

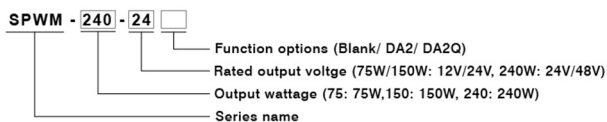| Series		SPWM-75/150/240			PWM-60/90/120/200			
Rated Power		75W	150W	240W	60W	90W	120W	200W
M o d e l	Blank: 3 in 1dimming	√	√	√	√	√	√	√
	DA2: DALI-2/DT6 control	√	√	√	√	√	√	√
	DA2Q: DALI-2/DT8 control	√	√	√				
	KN: KNX control	Dimming+Color Temperature+RGBW (Coming Soon)			Only Dimming	X	Only Dimming	Only Dimming
	MA: Matter control	Dimming+Color Temperature+RGB (Coming Soon)						
Dimension(mm)		290*38*28.5	340*38*28.5	380*38*28.5	150*53*35	171*63*37.5	191*63*37.5	195*68*39.5
Inout Voltage(VAC)		100~305		180~305	90~305			
Output Voltage(DC)		12V/24V		24V/48V	12V/24V/36V/48V			
Interface Type		Terminal-block Output			Independent Wiring Output			
Output Channel		1~4 Channels			1 Channel			
Case Color		Light Gray			Dark Gray			
IP Rating		X			IP67，Fully Encapsulated			
Voltage Adjustment		Adjust through VR			X			

FEATURES

- Supports DALI-2 DT6 dimming and DT8 tunable white / color control
- DALI-2 models support PUSH dimming and color control via push-button input
- Constant-voltage PWM output mode with selectable 1 to 4 output channels
- Flicker-free design, compliant with CE ErP Directive
- Plastic enclosure with double insulation, Class II design
- Comprehensive protection functions: short-circuit, overload, over-voltage, and over-temperature protection
- Suitable for emergency lighting (EL) applications
- Minimum dimming level down to 0.1%
- 5-year warranty

APPLICATION

Smart Lighting Solutions for Commercial Spaces

SPWM Series

ORDERING INFORMATION

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SPWM - 240 - 24 □
                    Function options (Blank/ DA2/ DA2Q)
                    Rated output voltge (75W/150W: 12V/24V, 240W: 24V/48V)
                    Output wattage (75: 75W,150: 150W, 240: 240W)
                    Series name
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