

WI-LD-4

4-CHANNEL LED DIMMER MODULE

Sonetnix WI-LD-4 is a 4-channel LED dimmer module with advanced PWM technology, delivering smooth, flicker-free dimming and superior color stability. Designed for seamless integration with Sonetnix automation systems or third-party controllers via RS-485 or Wi-Fi.



FEATURES

- ✓ 4-channel LED dimmer, standard type @5A per channel
- ✓ Supports a wide range of LED fixtures, LED strip, LED bulbs, and spots
- ✓ PWM (Pulse Width Modulation) dimming technology for flicker-free dimming
- ✓ High color resolution and stable performance using PWM technique
- ✓ 0 – 100% light intensity levels to create the perfect atmosphere and ambience
- ✓ Cost-saving solution with the same LED light compatible with various intensities and fade time
- ✓ Restores channel status after power failure
- ✓ LED indicators for communication, input power, and output power status
- ✓ Low-voltage control interface for each channel
- ✓ Status indication LEDs for each channel
- ✓ 0.96-inch OLED display indicating the S-NET ID (default) or IP address
- ✓ Individual buttons to control individual channels
- ✓ No extra dimmable drivers/ballast required



PWM Technology



Wide Voltage 12-60V DC



Flicker-Free Dimming



Stable & Reliable Performance

ELECTRICAL SPECIFICATIONS

	Operating Voltage	: 12 – 60 VDC
	Maximum Power per Channel	: 60 W @12VDC, 120 W @24VDC
	Max Load Current per Channel	: 5 A
	Operating Temperature	: 0 – 45 °C
	Module Total Current	: 20 A
	S-NET Power Usage	: 1.08 Watt (0.09A @12VDC)

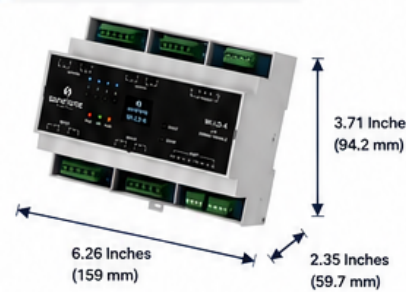
CONTROLS & INDICATIONS

	PWR	: Red LED illuminates when DC power is applied
	COM	: Yellow LED indicates communication with the control processor
	NW	: Bi-color LED: Red indicates connection loss; Green indicates connection established
	CH1 – CH4	: Blue LED indicates channel status
	Setup, Reset	: Miniature push button switches to configure and reset the device manually
	Manual Switch (1-8)	: Eight miniature push button switches to control the device manually
	OLED Display	: 0.96-inch display to monitor the device ID or IP address

CONNECTIONS

	LOAD (CH1 +/- to CH4 +/-)	: (4) 2-pin 7.62 mm captive screw terminals to provide dimmed output to the load
	INPUT VOLTAGE (V1 +/- to V4 +/-)	: (4) 2-pin 7.62 mm captive screw terminals to provide DC input voltage to the dimmer module
	S-NET	: (2) 4-pin 3.81 mm detachable terminal blocks for S-NET communication
	LV TRIGGERS (G, 1 – 8)	: (1) 5-pin 3.81 mm detachable terminal block to provide low-voltage trigger to each channel

DIMENSIONS & WEIGHT



	Height	: 3.71 Inches (94.2 mm)
	Width	: 6.26 Inches (159 mm)
	Depth	: 2.35 Inches (59.7 mm)
	Weight	: 369 Grams



4-CHANNEL LED DIMMING WITH PWM TECHNOLOGY



RS-485 & WI-FI COMMUNICATION



SEAMLESS INTEGRATION SMART CONTROL



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