

PSDE-TW-010-WD

WARM-DIM MODULE

Project _____

Location _____

Quote/ Ref # _____

The **PSDE-TW-010-WD** is a constant voltage warm dimming module designed for linear LED strips. This highly efficient dimming module is compatible with 0-10V control systems and is flicker free from 0-100%. It mimics a seamless, smooth incandescent dimming curve. It enables smooth, dynamic color temperature shifts of 1800K to 3000K. Depending on the application, the PSDE-TW-010-WD creates eye-catching, color temperature changing effects.



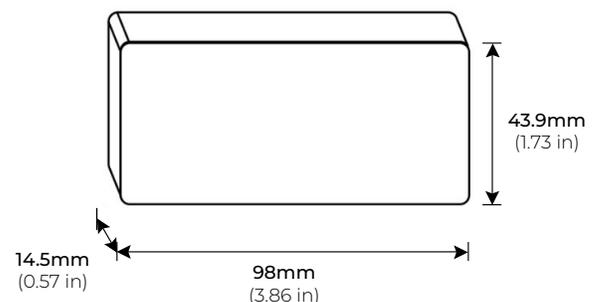
SPECIFICATIONS

INPUT	
INPUT VOLTAGE RANGE	8-48V DC
INPUT CURRENT	5.1A per channel (MAX)
INPUT CONTROL	1
CONTROL VOLTAGE	0/1-10V
CONTROL RANGE	0-100%
OUTPUT	
CHANNEL OUTPUT	2
OUTPUT CURRENT (MAX.)	5A
OUTPUT VOLTAGE RANGE	V _{in} - 0.2 - 0.5V
OUTPUT WATTAGE (MAX.)	240W
EFFICIENCY	97% (Typical)
OUTPUT FREQUENCY	1kHz PWM
DIMMING RATIO	1:1000
PROTECTION	
OVER VOLTAGE	Auto Recovery
OVER TEMPERATURE	Auto Recovery
UNDER VOLTAGE LOGOUT	Auto Recovery
SAFETY STANDARDS	UL8750, UL879
ENVIRONMENT	
AMBIENT TEMPERATURE	-4°F (-20°C) ~ 140°F (60°C) (Full Load)
STORAGE TEMPERATURE	-40°F (-40°C) ~ 185°F (85°C)
RELATIVE HUMIDITY	5% ~ 95%
IP RATING	IP20
OTHER	
CASE/ DESIGN MATERIAL	Polycarbonate White
WIRE SIZE	18AWG
WIRE LENGTH	6 in. (152.4mm)
DIMENSIONS (L x W x H)	3.86" x 1.73" x 0.57"

FEATURES

- 8-48 VDC input
- Flicker-free 0-100% dimming
- High precision dimming ratio: > 1:1000
- Fully isolated plastic housing
- Complies with EN55015 and FCC part 15 without additional input filter and capacitors.
- Suitable for LED lighting and signage applications
- Compact size, high reliability

DIMENSIONS



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WIRING

