

**AD-4-96W-DALI**

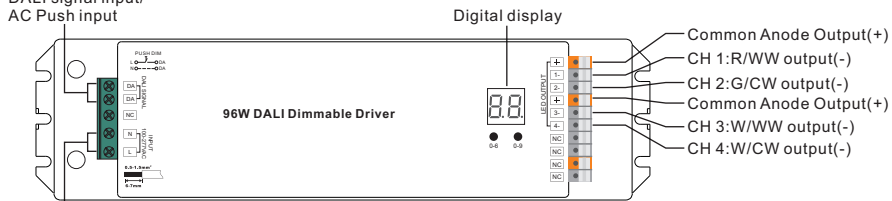
96W DALI LED Driver(constant voltage)



**Important:** Read All Instructions Prior to Installation

**Function introduction**

DALI signal input/  
AC Push input



AC 100-277V  
power input

**Product Data**

Output	LED Channel	4
	DC Voltage	24V DC
	Max. Current	Max. 4A/CH, CH1+CH2+CH3+CH4=4A
	Voltage Tolerance	±1%
	Rated Power	max. 96W
Input	Voltage Range	100-277V AC
	Frequency Range	50/60Hz
	Power Factor (Typ.)	> 0.90 @ 230VAC
	Total Harmonic Distortion	THD ≤ 15% (@ full load / 230VAC)
	Efficiency (Typ.)	90% @ 230VAC full load
	AC Current (Typ.)	1.2A @ 100VAC, 0.5A @ 230VAC
	Inrush Current (Typ.)	COLD START Max. 50A at 230VAC
	Leakage Current	< 0.5mA /230VAC
Control	Dimming Interface	DALI (DALI consumption < 2mA)/PUSH
	Dimming Range	0.1%-100%
	Dimming Method	Pulse Width Modulation
Protection	Over Current	Yes, recovers automatically after fault condition is removed
	Over Temperature	Yes, recovers automatically after fault condition is removed

Environment	Working Temp.	-20°C ~ +50°C
	Max. Case Temp.	75°C (Ta="45°C")
	Working Humidity	10% ~ 95% RH non-condensing
	Storage Temp. & Humidity	-40°C ~ +80°C, 10% ~ 95% RH
Safety & EMC	Safety Standards	UL8750, CAN/CSA C22.2 No. 250.13-14, EN61347-1, EN61347-2-13 approved
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH
	EMC Emission	EN55015, EN61000-3-2, EN61000-3-3
	EMC Immunity	EN61547, EN61000-4-2,3,4,5,6,8,11, surge immunity Line-Line 1KV
Others	MTBF	187900H, MIL-HDBK-217F @ 230VAC full load and 25°C ambient temperature
	Dimension	244*64*32mm (L*W*H)

- Dimmable LED driver, max. output power 96W total
- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2.
- Built-in DALI-2 interface, DALI DT6 device
- 100-277VAC wide input voltage
- 4 channels DC 24V constant voltage output
- Class II power supply, full isolated plastic case
- High power factor and efficiency
- DALI addresses quantity can be set as 1/2/3/4
- Enables to control single color, CCT (needs 2 DALI addresses), RGB (needs 3 DALI addresses), RGBW (needs 4 DALI addresses ) LED lighting
- Compliant with Safety Extra Low Voltage standard
- Over load, over temperature protection
- IP20 rating, suitable for indoor LED lighting applications
- 5 years warranty

**Safety & Warnings**

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

**Operation**

Set DALI Address Manually Via Buttons



- 1.1. Press and hold down any of the two buttons until numeric digital display flashes, then release the button.
- 1.2. Click any of the two buttons once to select a digit, click again to change the digit until the desired DALI address appears. Click first button to set "tens" position and second button to set "units" position. The address can be set from 00-63.
- 1.3. Then press and hold down any of the 2 buttons until the numeric digital display stops flashing to confirm the setting.