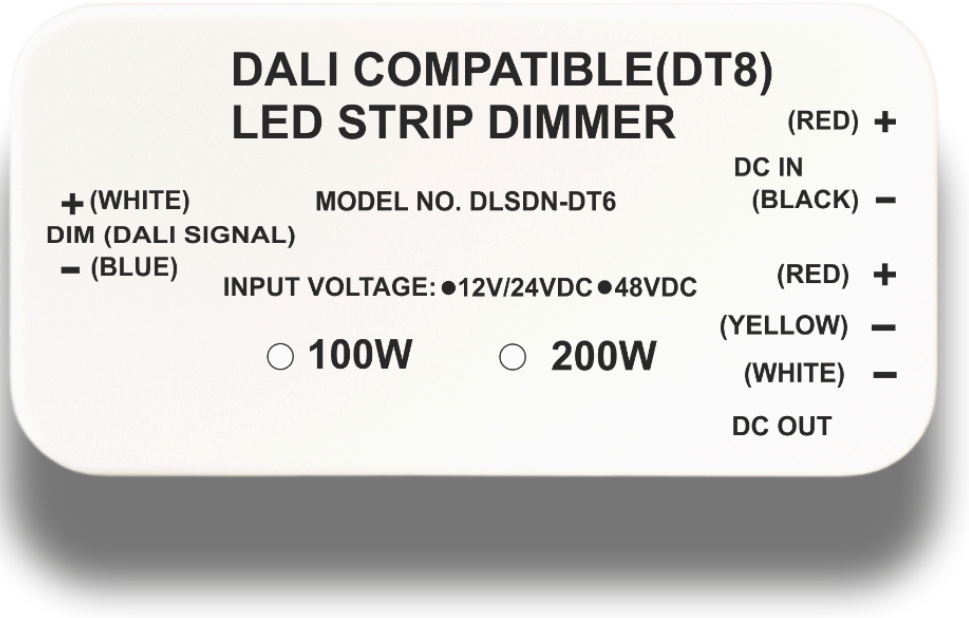
DALI COMPATIBLE LED STRIP DIMMER

JUCVDLN-DT8-100W / 200W



KEY FEATURES

- DALI-2 DT8 Constant Voltage LED Dimmer (Dual Channel Output)
- Dimming Range: 1% to 100%
- Tunable White Control (Warm White + Cool White Output)
- Supports Brightness and CCT Control via Single DALI Address (DT8)
- Individual, Group & Scene Control (Up to 64 Devices per DALI Line)
- Stable 12V / 24V Constant Voltage Output
- Models Available in 100W & 200W
- High Power Factor & Low THD
- Flicker Free
- Dual Output Channel
- No External SMPS Required
- Smooth Logarithmic Dimming Curve
- IP-20

APPLICATIONS

Suitable for indoor use: Smart/Home Automation, Hotels, LED Strips, Smart Building Lighting Control. Also suitable for residential automation and smart building applications.

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JUCVDLN-DT8-100W / 200W

DESCRIPTION

JUCVDLN-DT8-100W / 200W is a DALI-2 Constant Voltage LED Dimmer designed for controlling 12V / 24V CCT LED strip lighting systems. It operates on 220–240Vac input and provides regulated 12Vdc / 24Vdc constant voltage output for LED loads. The dimmer supports DALI-2 DT8 digital control, enabling simultaneous brightness and colour temperature adjustment through a single DALI address.

It ensures smooth 1%–100% flicker-free dimming, precise CCT mixing, stable performance and reliable operation in smart lighting environments. Its applications include residential automation and smart building lighting control.

The dimmer supports DALI-2 DT8 communication, enabling simultaneous dimming and CCT adjustment through a single DALI address. It ensures smooth 1–100% flicker-free operation with precise light mixing and consistent performance. Individual, group and scene addressing within a DALI network makes it ideal for smart building and indoor lighting applications.

MODEL NO. & WATTAGE

Model No.: JUCVDLN-DT8-100W / JUCVDLN-DT8-200W

Output Type: Constant Voltage, Dual Channel (12V / 24V)

DALI COMPATIBLE LED STRIP DIMMER

JUCVDLN-DT8-100W / 200W

ELECTRICAL DATA

Parameter	JUCVDLN-DT-8-100W	JUCVDLN-DT-8-200W
AC Input Voltage	220–240Vac	220–240Vac
AC Output Voltage	220–240Vac	220–240Vac
Frequency	50–60 Hz	50–60 Hz
Maximum Input Current	0.5A	1.0A
DC Input Voltage	12Vdc & 24Vdc	12Vdc & 24Vdc
DC Output Voltage	12Vdc & 24Vdc	12Vdc & 24Vdc
Output Type	Constant Voltage (Dual Channel)	Constant Voltage (Dual Channel)
Output Wattage	100W	200W
Max Output Current in 12V	8.3A	16A
Max Output Current in 24V	4.2A	8.3A
Efficiency	>85%	>88%
Power Factor	>0.9	>0.9
THD	<15%	<15%
Surge Capability (L/N)	2 KV	2 KV
Isolation	Class 2	Class 2
Number of Addresses	64	64

DALI COMPATIBLE LED STRIP DIMMER

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DIMMING & PROTECTION

Parameter	Value
Dimming Method	DALI Digital
Individual Addressing	Yes
Group Control	Yes
Dimming Range	1–100%
Surge Protection	Up to 6 KV
Over Voltage Protection	Yes
Over Current Protection	Yes
Short Circuit Protection	Yes
Class II	Yes
Soft Start	Yes
Dimming Curve	Yes

TEMPERATURE & MATERIAL

Parameter	Value
Ambient Temperature	50°C
Case Temperature	70°C
Enclosure Material	Plastic (FR Rated)
Enclosure Color	White
Max. Housing Temperature (in Case Fault)	<85°C

DALI COMPATIBLE LED STRIP DIMMER

JUCVDLN-DT8-100W / 200W

DIMENSIONS & WEIGHT

Parameter	Value
Length	100 mm
Breadth	40 mm
Height	25 mm
Weight	74 g
Max. Cable Length to Lamp/LED Module	2.0 mm
Cable Cross-section, Input Side	0.75…1.5 mm
Cable Cross-section, Output Side	0.75…1.5 mm
Prewired	No
Type of Connection, Output Side	Connector

STANDARDS & CERTIFICATES

Parameter	Value
Standards	IEC61347-1, IEC 61347-2-13, IEC 62384, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547
Certificates	BIS (R-71027472)
Protection Class	II
Type of Protection	IP20

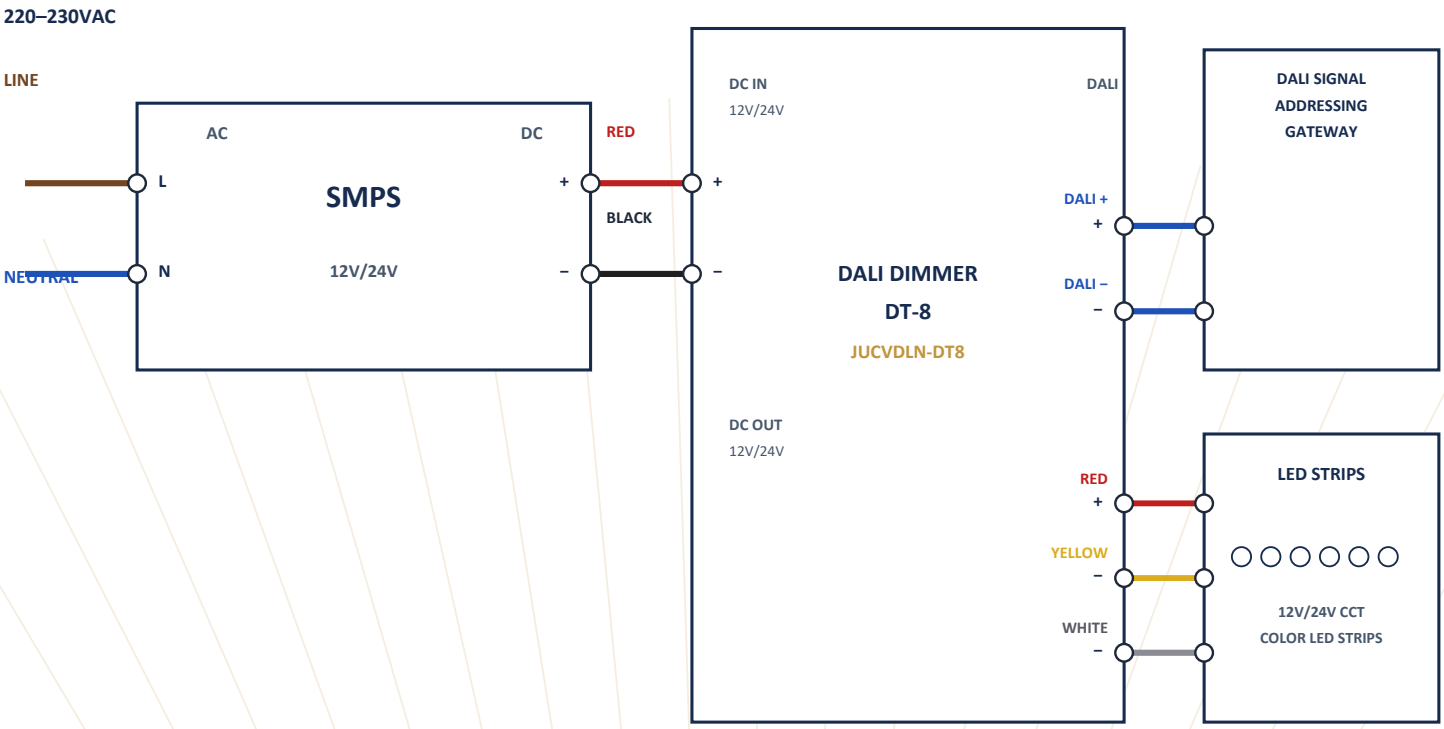
REFERENCE

Model No.: JUCVDLN-DT8-100W / JUCVDLN-DT8-200W

Source Document: JSK URJA Product Datasheet — JUCVDLN-DT8 (JU2502-P001-1)

Contact: www.jskurja.com | sales@jskurja.com | +91 9920730373

JSK URJA DALI COMPATIBLE DIMMER
DT-8 CONNECTION DIAGRAM



Source wiring preserved. DT-8 connection. Both DALI conductors are blue. DC OUT is red +, yellow –, white –.