LDT-DALI-4CV-5A

Four-Address DT6 DALI LED Controller

A 4-channel DC-fed DALI LED controller with the lighting profile and addressing defined for this hardware. Match the supply, LED voltage, DALI profile and actual output-current limits.

Supply voltage	12-48 VDC
LED output	4-channel constant-voltage PWM
Maximum output current	5 A per channel at 12/24 V; 3 A per channel at 36/48 V
Maximum output power	4 x 60 W at 12 V; 4 x 120 W at 24 V; 4 x 108 W at 36 V; 4 x 144 W at 48 V
Control inputs	DALI
DALI profiles	DT6, 4 independent addresses
Dimming	0-100%
Dimming curve	DALI logarithmic
PWM frequency	2000 Hz (default)
Address assignment	DALI master assignment
Operating temperature	-30 to +55 °C
Maximum case temperature	+85 °C
IP rating	IP20
Body dimensions	175 x 45 x 27 mm

Maximum output current decreases at higher supply voltages. This four-address DT6 model controls independent single-colour channels; it is not a DT8 RGBW colour gear.

The following reference pages include the complete wiring, dimensions, settings and operating instructions. Use the lighting and hardware variant identified above; shared references may illustrate other separate models.

DALI

4 Channel Constant Voltage DALI LED Dimmer

Features

- 4 channel constant voltage DALI LED Dimmer.
- 4 DALI address, 4 channel work separately.
- DALI-2 certified, in accordance with DALI standard protocol IEC 62386-101, 102, 207 and in compliance with DALI products from other international incorporation.
- DALI address will be automatically assigned by DALI master.
- PWM digital dimming, standard DALI logarithmic dimming curve.
- Over-load / Short circuit protection, recover automatically.



DALI 2 CE RoHS

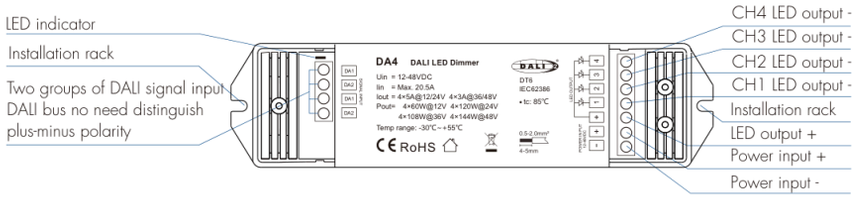
Technical Parameters

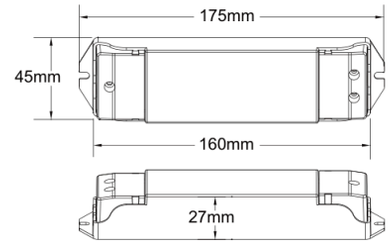
Input and Output	
Input voltage	12-48VDC
Input current	20.5A
Output voltage	12-48VDC
Output current	4x5A@12/24V 4x3A@36/48V
Output power	4 x 60W @12V 4x120W@24V 4 x 108W@36V 4x144W@48V
Output type	Constant voltage

Dimming data	
Input signal	DALI
Dimming range	0-100%
Dimming curve	Logarithmic
PWM Frequency	2000Hz (default)
Package	
Size	L178 x W50 x H38mm
Gross weight	0.144kg
Warranty	5 years

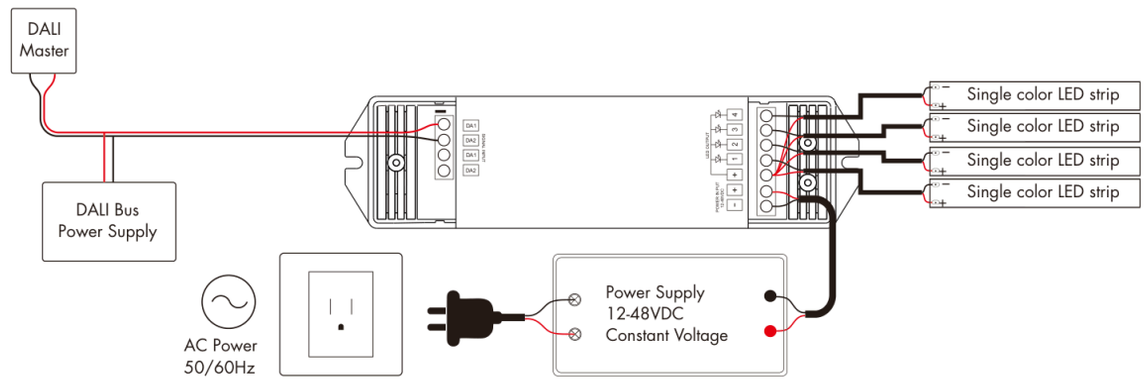
Safety and EMC	
EMC standard	EN IEC 55015/ EN IEC 61547
Safety standard	EN 61347-1/-2
Certification	DALI-2 CE RoHS
Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +85°C

Mechanical Structures and Installations





Wiring Diagram



DALI Control

This product is designed with 4 DALI address input and 4 channel output.
DALI address is assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.

Safety & Warnings

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