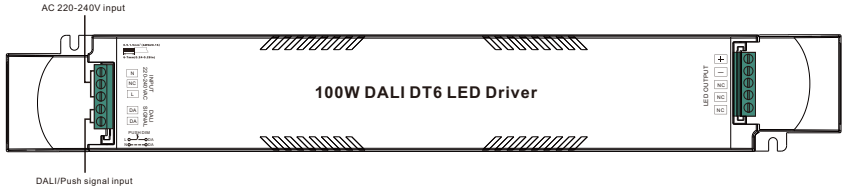
100W DALI DT6 Dimmable LED Driver

TIGER Power Supplies

Important: *Read All Instructions Prior to Installation*

Function introduction



Product Data

Output	LED Channel	1 Channel
	DC Voltage	24V DC
	Max. Current	Max. 4.17A
	Voltage Tolerance	±3%
	Rated Power	Max. 100W
Input	Voltage Range	220-240V AC
	Frequency Range	50/60Hz
	Power Factor (Typ.)	> 0.97 @ 230VAC
	Total Harmonic Distortion	THD ≤ 9% (@ full load / 230VAC)
	Efficiency (Typ.)	93% @ 230VAC full load
	AC Current (Typ.)	0.47A @ 230VAC
	Inrush Current (Typ.)	COLD START Max. 32A @ 230VAC
	Leakage Current	< 0.5mA /230VAC
	Standby Power Consumption	< 0.5W
	Anti Surge	L-N:2KV
Control	Dimming Interface	DALI DT6 (DALI consumption<2mA) / Push
	Dimming Range	0.1%-100%
	Dimming Method	Pulse Width Modulation
	Dimming Curve	Linear/Logarithmic optional
Protection	Over Voltage	Yes, recovers automatically after fault condition is removed
	Over Load	Yes, recovers automatically after fault condition is removed
	Short Circuit	Yes, recovers automatically after fault condition is removed
	Over temperature	Yes, recovers automatically after temperature drop

Environment	Working Temp.	-25℃ ~ +45℃
	Max. Case Temp.	85℃ (Ta="45℃")
	Working Humidity	10% ~ 95% RH non-condensing
	Storage Temp. & Humidity	-40℃ ~ +80℃, 10% ~ 95% RH
Safety & EMC	Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC / 25℃ / 70% RH
	EMC Emission	EN55015, EN61000-3-2 Class C, EN61000-3-3
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11, EN614547
Others	MTBF	191500H, MIL-HDBK-217F @ 230VAC full load and 25°C ambient temperature
	Dimension	306.6*43*30mm (L*W*H)
	Warranty	5 Years

- Dimmable LED driver, max. output power 100W total
- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2
- Built-in DALI-2 interface, DALI DT6 device
- 1 channel DC 24V constant voltage output
- High power factor and efficiency
- Built-in DALI interface, DALI DT6 device, each device is controlled via a single DALI address
- PWM dimming,smooth and deep dimming to 0.1%
- Compatible with universal DALI masters that support DT6 commands
- LED Driver has Class A sound ratings per Energy-star regulated
- Error report function
- IP20 rating, suitable for indoor LED lighting applications
- 5 years warranty

Safety & Warnings

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

Operation

1. DALI Address

1 DALI address for 1 channel output are assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.

2. PUSH Dimmer Mode

While connected with a AC PUSH, the driver will be in Push Dimmer Mode, operations under Push Dimmer Mode are as follows:

2.1. Click the button to switch ON/OFF

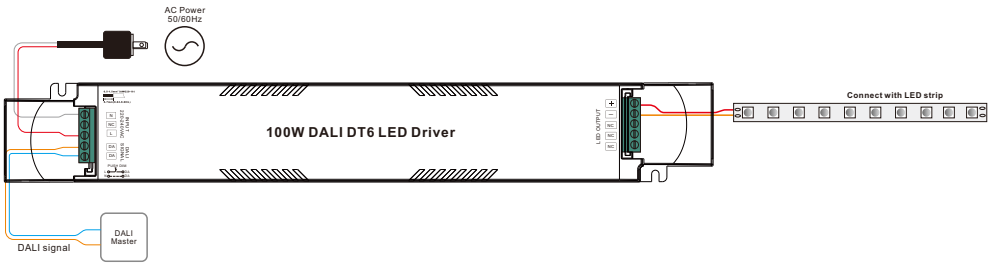
2.2. Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 0.1% to 100%.

2.3. Memory function after power off or power failure enables the device to memorize the status before power off while power on again.

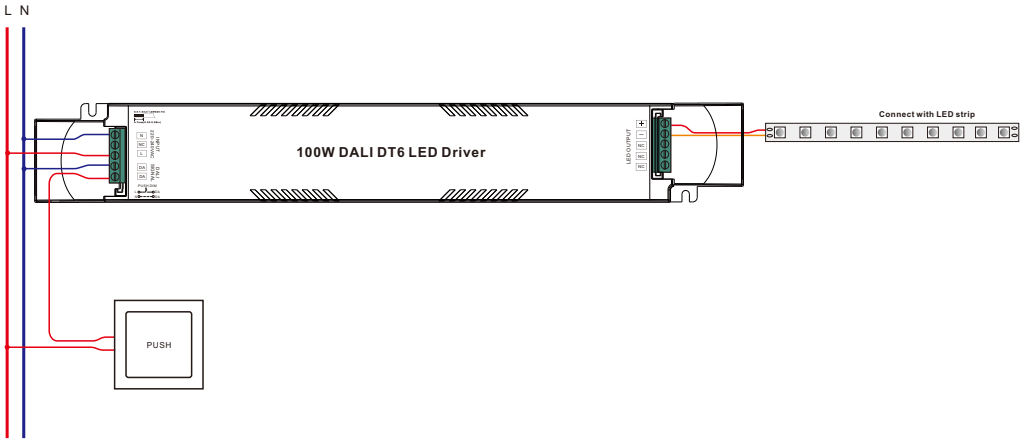
Wiring diagram

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1. With DALI Bus



2. With Push Dim



Product Dimension

