



USER MANUAL



DALI DRIVER (LED Strip)

MODEL NO.: ILS100DLISTD6W01

Please read this user guide carefully before installation and keep for future reference

Product Specification

Output	LED Channel	1 Channel
	DC Voltage	24V DC
	Current	Max. 4.17A
	Current Accuracy	±3%
Input	Rated Power	Max. 100W
	Voltage Range	220-240V AC
	Absolute Voltage Range	50/60Hz
	Power Factor (Typ.)	>0.97 @ 230VAC
	Total Harmonic Distortion	THD ≤ 9% (⑩ full load / 230VAC)
	Efficiency (Typ.)	93% @ 230VAC full load
	AC Current (Typ.)	0.5A @ 230VAC
	Inrush Current (Typ.)	COLD START Max. 50.2A @ 230VAC
	Leakage Current	< 0.5mA / 230VAC
	Standby Power Consumption	< 0.5W
Control	Anti Surge	L-N: 2kV
	Dimming Interface	DALI DTS (DALI consumption < 2mA) / Push
	Dimming Range	0.1% - 100%
	Dimming Method	Pulse Width Modulation
Protection	Dimming Curve	Linear/Logarithmic optional
	Over Voltage	Yes, remove the fault conditions and re-power the device
	Over Load	Yes, remove the fault conditions and re-power the device
	Short Circuit	Yes, remove the fault conditions and re-power the device
Environment	Over Temperature	Yes, recovers automatically after temperature drop
	Working Temp.	-25°C ~ +45°C
	Max. Case Temp.	85°C (Ta=65°C)
	Working Humidity	10% ~ 95% RH non-condensing
Safety & EMC	Storage Temp. & Humidity	-40°C ~ +80°C, 10% ~ 95% RH
	Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13
	Withstand Voltage	VP-OVP: 3.75kVAC
	Isolation Resistance	VP-OVP: 100M Ohms / 500VDC / 25°C / 70% RH
Others	EMC Emission	EN55016, EN61000-3-2 Class C, EN61000-3-3
	EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547
	MTBF	191500H, MIL-HDBK-207F @ 230VAC full load and 25°C ambient temperature
	Dimension	306.6*43*30mm (LWH)
Warranty	Dimension	306.6*43*30mm (LWH)
	Warranty	5 Years

Safety & Warnings

- DO NOT install the device while power is applied.
- DO NOT expose the device to moisture or water.

Operation

• DALI Address

A single DALI address is automatically assigned to each channel output by the DALI master controller. Please refer to the user manual of the compatible DALI master for specific operation details.

• PUSH Dimmer Mode

When connected to an AC PUSH switch, the driver operates in Push Dimmer Mode. The operations are as follows:

1. ON/OFF Control

- Click the button to turn the light ON or OFF.

2. Dimming Control

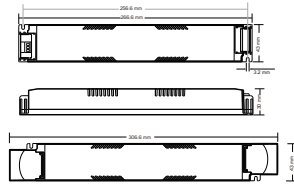
- Press and hold the button to increase or decrease brightness to the desired level.
- Release the button to stop at the required level.
- Repeat the process to adjust in the opposite direction.

3. Memory Function

- After a power outage or power-off, the device remembers the last status and restores it when power is reapplied.

Product Dimension

Refer to the product dimension drawing.

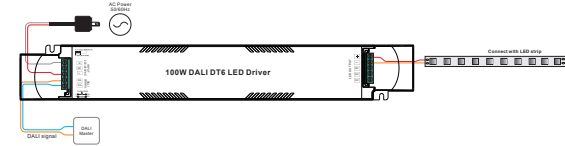


مواصفات المنتج

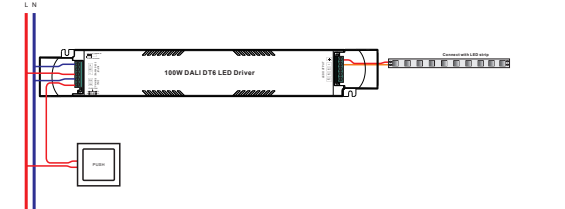
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Wiring Diagram

1. With DALI Bus
Connection using DALI bus system.

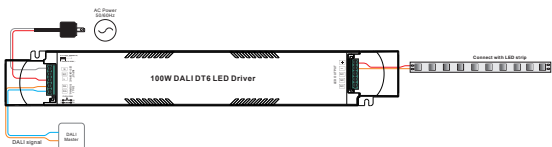


2. With Push Dim
Connection using an AC PUSH switch for dimming control.

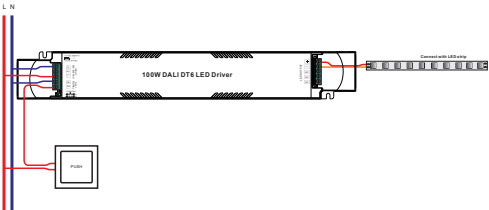


مخطط التوصيل

1. التوصيل باستخدام نظام DALI.



2. التوصيل باستخدام مفاتيح PUSH للتحكم في التعيين.



السلامة والتحذيرات

- لا تلم بزيك الجهاز أثناء توصيله بالكهرباء.
- لا تعرض الجهاز للرطوبة أو الماء.

طريقة التشغيل

• عنوان DALI

يتم تعيين عنوان DALI تلقائيًا لكل قناة بواسطة وحدة التحكم الرئيسية Master DALI. يرجى الرجوع إلى دليل المستخدم الخاص بوحدة التحكم للحصول على تفاصيل التشغيل.

• وضع التعيين عبر زر PUSH

عند توصيل مفاتيح AC PUSH، يعمل المحول في وضع التعيين عبر PUSH. وتكون طريقة التشغيل كما يلي:

1. التحكم تشغيل/إيقاف:

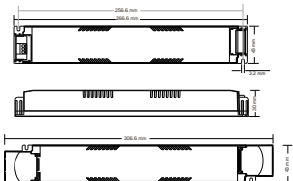
- اضغط مضغطة واحدة لتشغيل أو إيقاف الإضاءة.

2. التحكم في شدة الإضاءة:

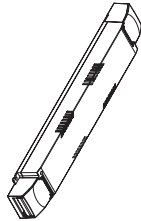
- اضغط مضغطة لزيادة أو تقليل شدة الإضاءة.
- اترك الزر عند الوصول للمستوى المطلوب.
- كرر العملية للتعديل في الاتجاه المعاكس.
- نطاق التعيين: من 0.1% إلى 100%.
- خاصية الذاكرة:
- عند امتناع الكهرباء، يذكّر الجهاز الحالة السابقة ويعود إليها عند إعادة التشغيل.

إبعاد المنتج

يُنصح الرجوع إلى الرسم الهندسي لإبعاد المنتج.



دليل المستخدم



محول دالي (شريط إضاءة ليد)

رقم الموديل: ILS100DLISTD6W01

يرجى قراءة دليل المستخدم بعناية قبل التنبيه، والاحتفاظ به للرجوع إليه في المستقبل