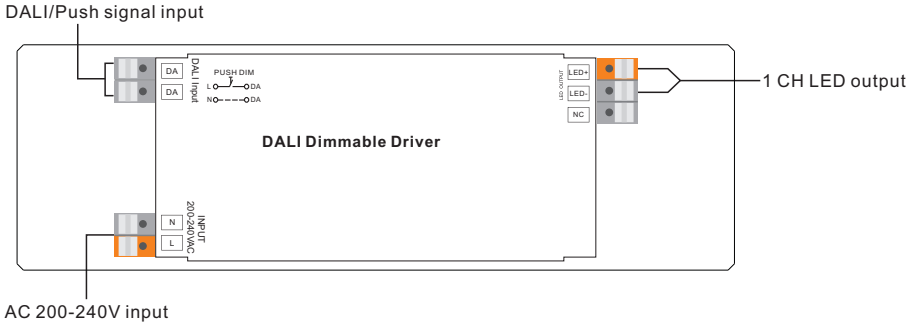
30W DALI LED Driver(Constant Voltage)

70220086

TIGER Power Supplies

Important: *Read All Instructions Prior to Installation*

Function introduction



Product Data

Output	LED Channel	1	
	DC Voltage	12V DC	24V DC
	Max. Current	Max. 2.5A	Max. 1.25A
	Voltage Tolerance	±1%	
	Rated Power	max. 30W	
Input	Voltage Range	200-240V AC	
	Frequency Range	50/60Hz	
	Power Factor (Typ.)	> 0.9 @ 230VAC	
	Total Harmonic Distortion	THD ≤ 15% (@ full load / 230VAC)	
	Efficiency (Typ.)	86% @ 230VAC full load	
	AC Current (Typ.)	0.16A @ 230VAC	
	Inrush Current (Typ.)	COLD START Max. 2A @ 230VAC	
	Leakage Current	< 0.5mA /230VAC	
Control	Dimming Interface	DALI (DALI consumption < 2mA)/Push	
	Dimming Range	0.1%-100%	
	Dimming Method	Pulse Width Modulation	
	Dimming Curve	Logarithmic	

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℃ ~ +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	EN61347-1, 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, EN61000-3-3
	EMC Immunity	EN61547, EN61000-4-2,3,4,5,6,8,11, surge immunity Line-Line 1KV
Others	MTBF	190300H, MIL-HDBK-217F @ 230VAC full load and 25℃ ambient temperature
	Dimension	170x53.4x28mm (L*W*H)

- 1 channel 12VDC/24VDC constant voltage output
- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2.
- Built-in DALI-2/Push interface, DALI DT6 device
- Class Ⅱ power supply, full isolated plastic case
- Built-in active PFC function
- PF > 0.9, Efficiency > 86%
- PWM digital dimming, standard DALI logarithmic dimming curve
- 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 the device.
- DO NOT expose the device to moisture.

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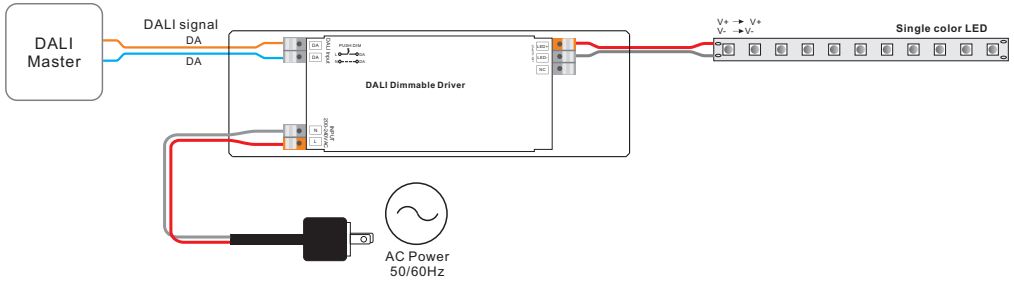
Operation

DALI Address

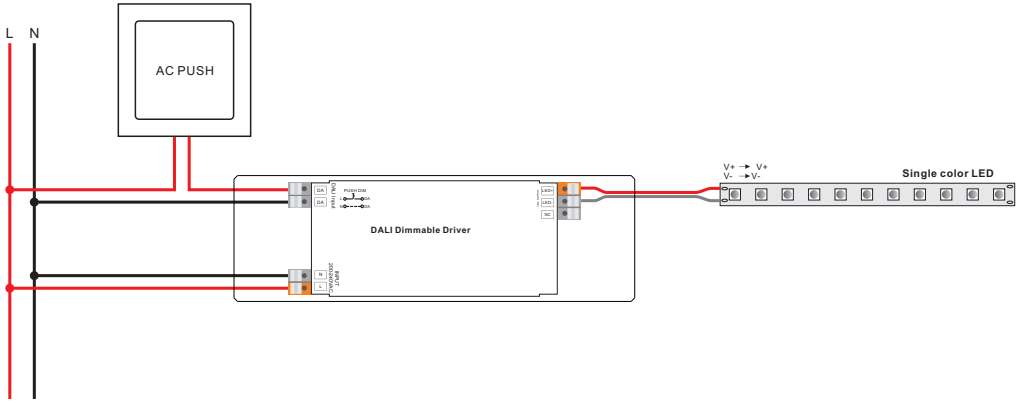
1 DALI address for 1 channel LED output are assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.

Wiring Diagram

1.With DALI bus



2.With Push Dimmer



PUSH Dimmer Mode

1.1. Click the button to switch ON/OFF

1.2. 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.

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

Product Dimension

