



INTERLIGHT DT40 DRIVER | MANUAL



Important: Read All Instructions Prior to Installation

Function introduction



Product Data

Output	LED Channel	1
	DC Voltage	10-54V, Max. 60V
	Current	500-1050mA via NFC setting; Min. current gear lower to 0.1mA
	Current Accuracy	±3% @ full load
	Rated Power	Max. 40W
Input	Voltage Range	120-277VAC
	Frequency Range	50/60Hz
	Power Factor (Typ.)	> 0.95 @ 120VAC full load*
	Total Harmonic Distortion	≤ 13% @ 120VAC full load*
	Efficiency (Typ.)	> 85% @ 120VAC full load*
	AC Current (Typ.)	0.4A Max.
	Inrush Current (Typ.)	Max. 5.62A at 120VAC; 60μs duration
	Leakage Current	< 5mA / 230VAC
Control	Standby Power Consumption	< 0.5W
	Anti Surge	L-N: 2KV
	Dimming Interface	DALI Device Type 6 (DALI consumption < 2mA) / AC Push
	Dimming Range	0.01%-100% @ Max current
	Dimming Method	Amplitude/CCR dimming
	Dimming Curve	Linear/ Logarithmic optional

Protection	Short Circuit	Yes, recovers automatically after fault condition is removed
	Over Current	Yes, recovers automatically after fault condition is removed
	Over Temperature	Yes, recovers automatically after temperature drop
Environment	Working Temp.	-25°C ~ +60°C
	Max. Case Temp.	TC=90°C
	Working Humidity	10% ~ 95% RH non-condensing
	Storage Temp. & Humidity	-40°C ~ +80°C, 10% ~ 95% RH
Safety & EMC	Safety Standards	UL8750, Class P, EN61347-1, EN61347-2-13, GB/T 19510.1-2023, GB/T 19510.213-2023
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH
	EMC Emission	EN55015, EN61000-3-2, EN61000-3-3, GB 17625.1-2022, GB/T 17743-2021
	EMC Immunity	EN61547, EN61000-4-2, 3, 4, 5, 6, 8, 11
	Flicker Regulation	IEEE1789, PstLM<0.02, SVM<0.01
Others	MTBF	191350H, MIL-HDBK-217F @ 230VAC full load and 25°C ambient temperature
	Dimension	245x30x21mm (L*W*H)
	Warranty	5 Years

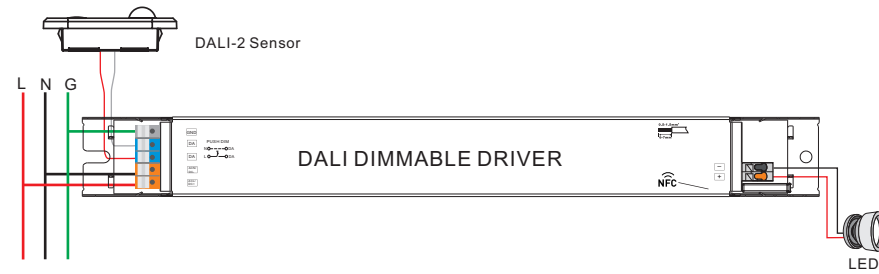
*: PF/THD/Eff shall be different per different testing setup and equipment.

- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2
- Built-in DALI-2 interface, DALI DT6 device
- Dimmable LED driver with linear metal housing. Max. output power 40W
- 500-1050mA current selectable via NFC program tool. Min. current gear lower to 0.1mA
- DALI Address/Group/Scene setting via NFC program tool.
- Class II power supply, isolated design
- High power factor and efficiency
- To switch and dim LED lighting luminaries
- Amplitude/CCR dimming, smooth and deep dimming
- Compatible with universal DALI masters that support DT6 commands
- DALI-250/251/252/253 Enabled, DALI data inside.
- IP20 rating, suitable for indoor LED lighting applications
- 5 years warranty



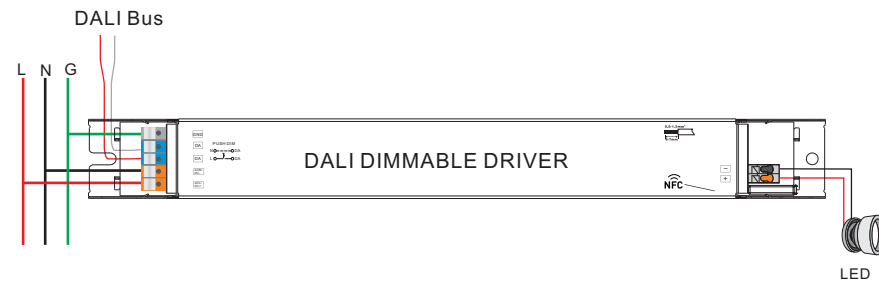
Wiring Diagram

1. As a D4i Driver

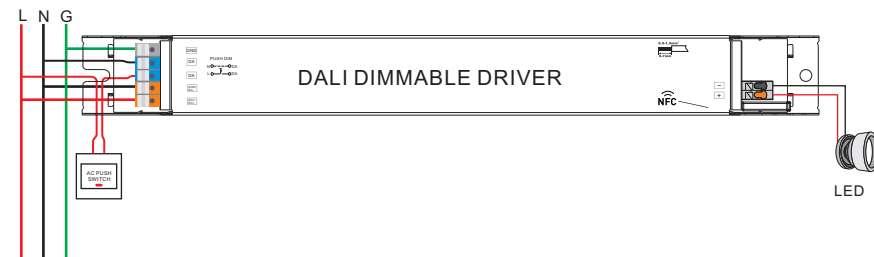


2. As a Normal DALI driver.

2.1 With DALI bus



2.2 With PUSH dimmer



AC Push Function

- 1) Click the button to switch ON/OFF
- 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 1% to 100%.