

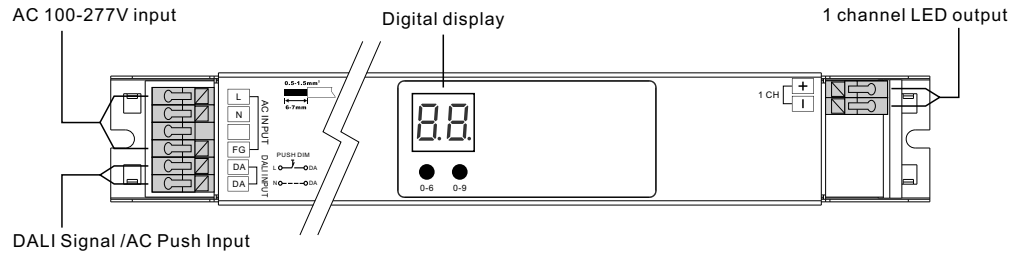
75W DALI LED Driver(Constant Voltage)

09.230575V.04027



Important: Read All Instructions Prior to Installation

Function introduction



Product Data

Output	LED Channel	1
	DC Voltage	24V DC
	Max. Current	1x3.12A max.
	Voltage Tolerance	±1%
	Rated Power	max. 75W
Input	Voltage Range	100-277V AC
	Frequency Range	50/60Hz
	Power Factor (Typ.)	> 0.99 @ 100VAC, > 0.96 @ 230VAC
	Total Harmonic Distortion	THD ≤ 15% (@ full load / 230VAC)
	Efficiency (Typ.)	86% @ 230VAC full load
	AC Current (Typ.)	0.9A @ 100VAC, 0.39A @ 230VAC, 0.33A@277VAC
	Inrush Current (Typ.)	COLD START 1.2A at 230VAC
	Leakage Current	< 0.5mA /230VAC
	Standby Power Consumption	< 1W
Control	Dimming Interface	DALI/PUSH
	Dimming Range	0%-100%
	Dimming Method	Pulse Width Modulation
	Dimming Curve	Logarithmic

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 fault condition is removed
Environment	Working Temp.	-25°C ~ +45°C
	Max. Case Temp.	88°C
	Working Humidity	10% ~ 95% RH non-condensing
	Storage Temp. & Humidity	-40°C ~ +80°C, 10% ~ 95% RH
Safety & EMC	Safety Standards	UL8750, CAN/CSA C22.2 No. 250.13-14, ENEC EN61347-1, EN61347-2-13 approved
	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
	EMC Immunity	En61547, EN61000-4-2,3,4,5,6,8,11, surge immunity Line-Line 1KV
Others	MTBF	193.6K hrs min. @ 230VAC full load and 25°C ambient temperature
	Dimension	444x30.7x20.9mm (L*W*H)

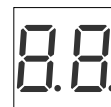
- Ultra slim design for use in linear LED lighting
- 1 channel 24VDC constant voltage output
- Class II power supply, full isolated metal case
- Built-in active PFC function
- PF > 0.96, Efficiency > 86%
- Low standby power < 1W
- Built-in DALI/PUSH dimming interface
- PWM digital dimming, standard DALI logarithmic dimming curve
- Complies with DALI standards IEC62386-101, 102, 207
- Compliant with Safety Extra Low Voltage standard
- Short circuit, 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.

Operation

1. Set DALI Address Manually Via Buttons



0-6 0-9

- 1.1 Press and hold down any of the two buttons until numeric digital display flashes, then release the button.
- 1.2 Click any of the two buttons once to select a digit, click again to change the digit until the desired DALI address appears. Click first button to set "tens" position and second button to set "units" position. The address can be set from 00~63.
- 1.3 Then press and hold down any of the 2 buttons until the numeric digital display stops flashing to confirm the setting.

Note: DALI address can be manually assigned from 00-63-FF, by factory defaults, no DALI address is assigned for the driver, and the display shows **FF** . Setting DALI address as **FF** will reset the dimmer to factory defaults.

2. DALI Address Assigned by DALI Masters

2.1 DALI address can also be assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.

Note: The digital display will show **RU** when the DALI master is assigning addresses.

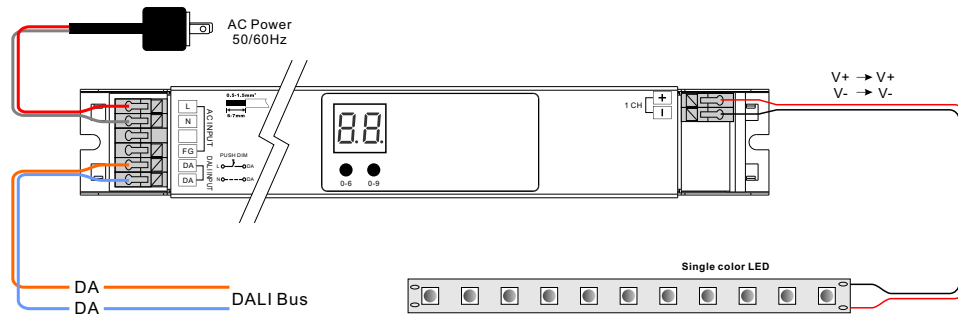
3. PUSH Dimmer Mode

While connected with a AC PUSH, the digital display will show “PD” which means Push Dimmer Mode, operations under Push Dimmer Mode are as follows:

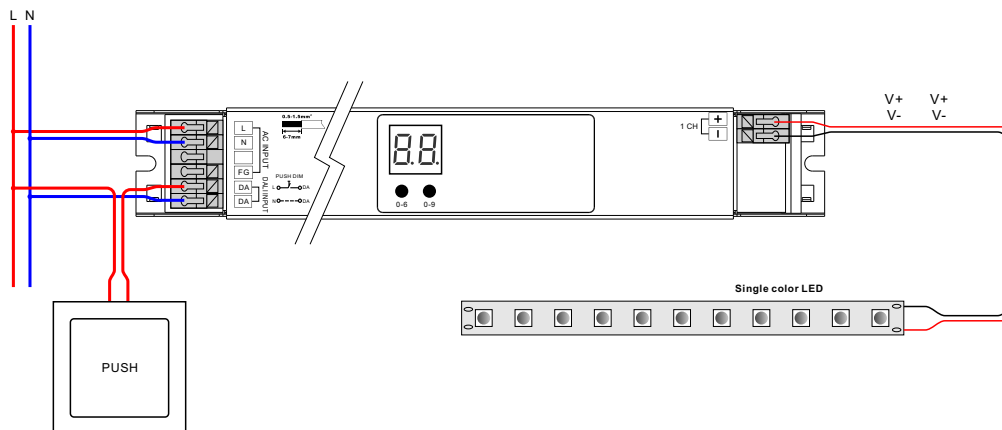
- 3.1. Click the button to switch ON/OFF
- 3.2. Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.
- 3.3. Memory function after power off or power failure enables the device to memorize the status before power off while power on again.

Wiring Diagram

1. With DALI bus



2. With PUSH dimmer



Product Dimension

