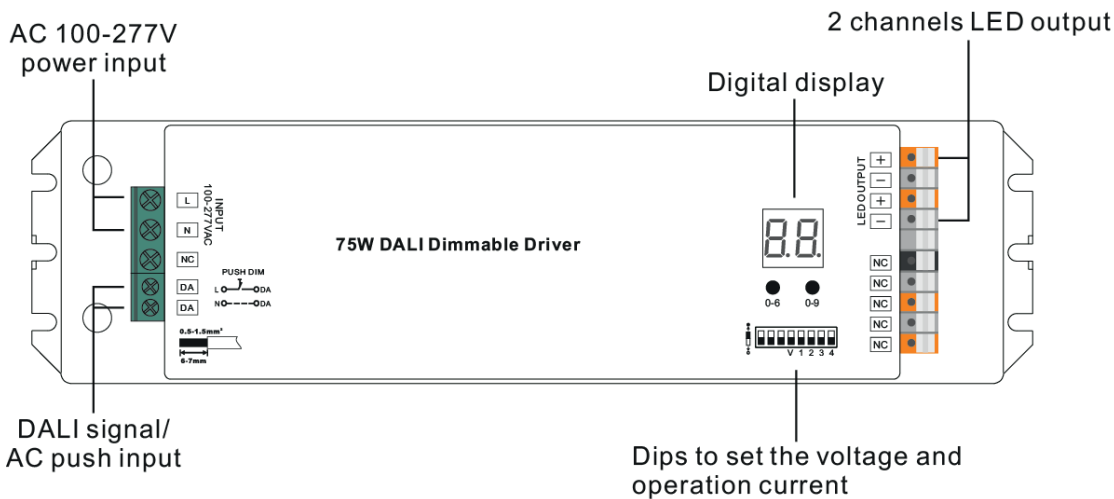


# 75W DALI+AC Push LED Driver (Constant Current)



Important: Read All Instructions Prior to Installation



## Product Data

### Output

LED Channel	2							
Selectable Current	250mA	300mA	350mA	400mA	450mA	500mA	600mA	700mA
DC Voltage Current	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V
Selectable Current	800mA	900mA	1000mA	1100mA	1200mA	1300mA	1400mA	1500mA
DC Voltage Range	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V
Current Tolerance	±5%							
Rated Power	Max. 72W/CH, CH1+CH2 ≤ 75W							

### Input

Voltage Range	100-277V AC
Frequency Range	50/60Hz
Power Factor (Typ.)	> 0.96
Total Harmonic Distortion	THD ≤ 15% (@ full load / 230VAC)
Efficiency (Typ.)	87% @ 230VAC full load
AC Current (Typ.)	400mA @ 230VAC
Inrush Current (Typ.)	COLD START Max. 2A @ 230VAC
Leakage Current	< 0.5mA /230VAC
Standby Power Consumption	<0.5 W

## SRP-2305-75CCT

### Control

Dimming Interface	DALI/Push Switch
Dimming Range	0%-100%
Dimming Method	Pulse Width Modulation
Dimming Curve	Logarithmic

### Protection

Short Circuit	Yes, recovers automatically after fault condition is removed
Over Voltage	Yes, recovers automatically after fault condition is removed
Over Temperature	Yes, recovers automatically after fault condition is removed

### Environment

Working Temp.	-20°C ~ +45°C
Max. Case Temp.	85°C
Working Humidity	10% ~ 95% RH non-condensing
Storage Temp. & Humidity	-40°C ~ +80°C , 10% ~ 95% RH

### Safety & EMC

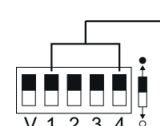
Safety Standards	UL8750, CAN/CSA C22.2 No. 250.13-14, ENEC EN61347-1, EN61347-2-13 approved
Withstand Voltage	I/P-O/P: 3.75KVAC
Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC / 25 / 70% RH
EMC Emission	EN55015, EN61000-3-2, EN61000-3-3
EMC Immunity	EN61547, EN61000-4-2,3,4,5,6,8,11, surge immunity Line-Line 1KV

### Others

MTBF	193.6K hrs min. @ 230VAC full load and 25°C ambient temperature
Dimension	244x64x32mm (L*W*H)

### Output Current

Select the correct output current before wiring to LED light by DIP Switches .Please make sure the power to the driver is disconnected before selection of the output current.

 <p><b>Operation current Selection</b></p> <p><b>Voltage Selection</b></p> <p>If output LED voltage &gt; 16V DC ●</p> <p>If output LED voltage ≤ 16V DC ○</p>											
		1	2	3	4		1	2	3	4	
	250mA	●	●	●	●		○	●	●	●	●
	300mA	●	●	●	○		○	●	●	○	○
	350mA	●	●	○	●		○	●	○	●	○
	400mA	●	●	○	○		○	●	○	○	○
	450mA	●	○	●	●		○	○	●	●	○
	500mA	●	○	○	○		○	○	○	○	○
	600mA	●	○	○	●		○	○	○	○	●
	700mA	●	○	○	○		○	○	○	○	○

- Dimmable LED driver
- 2 channels constant current output, total output power up to 75W
- 250mA-1500mA output current optional
- Output current level selectable by DIP switches
- Class II power supply, full isolated plastic case

## SRP-2305-75CCT

- Power factor > 0.9, efficiency > 87%
- Built-in DALI/PUSH dimming interface
- Complies with DALI standards IEC62386-101, 102, 207
- To control single color, CCT LED lighting
- Compatible with universal DALI masters that support DT6 commands
- Error report function
- IP20 rating, suitable for indoor LED lighting applications

### Safety & Warnings

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

### Operation

#### 1. Set DALI Address Manually Via Buttons



- 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 **AU** when the DALI master is assigning addresses.

#### 3. Set DALI Address Quantity



3.1 Press and hold down both of the two buttons until numeric digital display flashes, then release the button.

3.2 Click first button to select "1A" or "2A" which means 1 address or 2 addresses.

3.3 Then press and hold down any of the 2 buttons until the numeric digital display stops flashing to confirm the setting.

For example, when we set address to 22:

When select 1A, both two channels will be the same address 22.

When select 2A, channel 1 will be address 22, channel 2 will be address 23.



## SRP-2305-75CCT

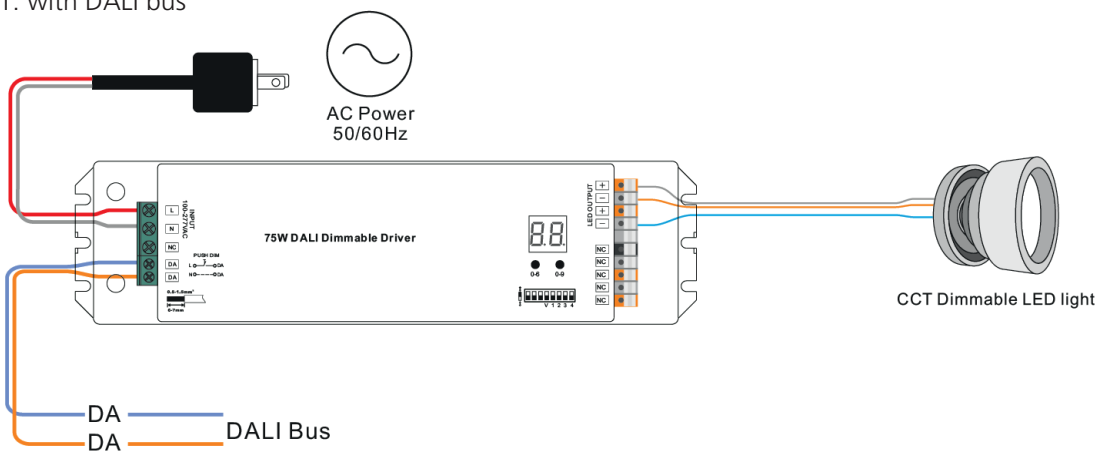
### 4. Push Dimmer Mode

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:

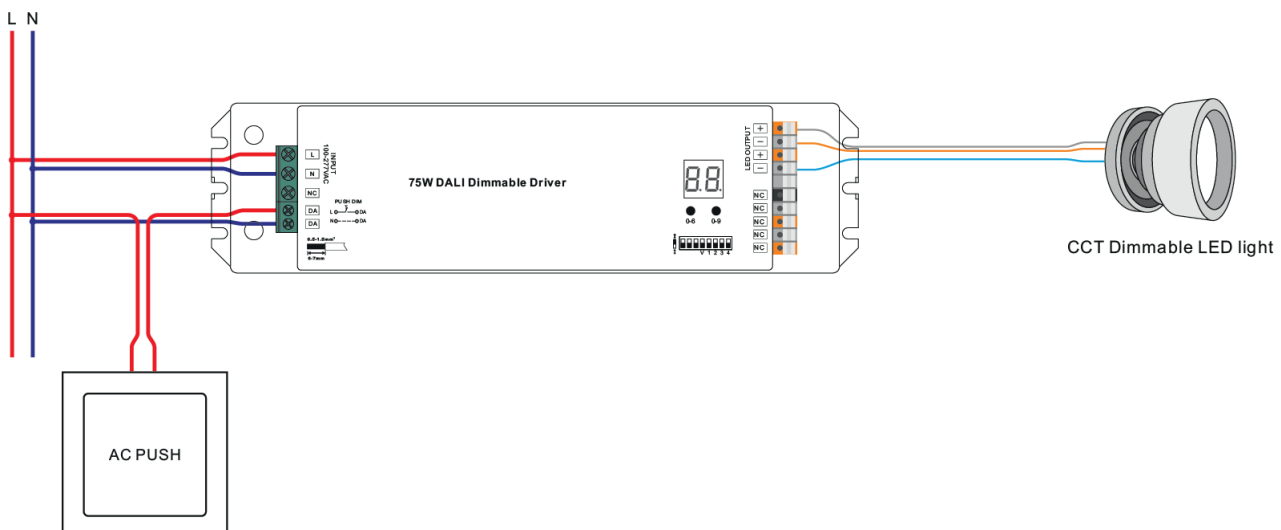
- 4.1. Click the button to switch ON/OFF
- 4.2. Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.
- 4.3. Memory function after power off 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



**SRP-2305-75CCT**

Product Dimension

