60W DALI DT8 NFC LED Driver(Constant Current)

Important: Read All Instructions Prior to Installation

Function introduction



Product Data

	LED Channel	2
	DC Voltage	50-220V
	Current	120-550mA via NFC setting; Min.current gear lower to 0.1mA
Output	Current Accuracy	±3%@ full load
	Rated Power	Max. 60W
	Voltage Range	220-240VAC/VDC
	Frequency Range	0/50/60Hz
	Power Factor (Typ.)	> 0.97 @ 230VAC Full load
	Total Harmonic Distortion	THD ≤ 8% (@ full load / 230VAC)
	Efficiency (Typ.)	> 90% @ 230VAC full load
Input	AC Current (Typ.)	0.5A @ 230VAC
	Inrush Current (Typ.)	Max. 18.6A at 230VAC; 256µs duration
	Leakage Current	< 5mA /230VAC
	Standby Power Consumption	< 0.5W
	Anti Surge	L-N:2KV
	Dimming Interface	DALI Device Type 8 (DALI consumption < 2mA)/ AC Push
Quantum	Dimming Range	0.01%-100%@ Max current
Control	Dimming Method	Amplitude/CCR dimming
	Dimming Curve	Linear/ Logarithmic optional

	Short Circuit	Yes, recovers automatically after fault condition is removed					
Protection	Over Current	Yes, recovers automatically after fault condition is removed					
	Over Temperature	Yes, recovers automatically after temperature drop					
	Working Temp.	-25℃ ~ +60℃					
_ · ·	Max. Case Temp.	Tc=90°C					
Environment	Working Humidity	10% ~ 95% RH non-condensing					
	Storage Temp. & Humidity	-40℃ ~ +80℃, 10% ~ 95% RH					
	Safety Standards	EN61347-1, EN61347-2-13					
	Withstand Voltage	I/P-O/P: 3.75KVAC					
Safety & EMC	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					
Others	MTBF	191350H, MIL-HDBK-217F @ 230VAC full load and 25°C ambient temperature					
Others	Dimension	245x30x21mm (L*W*H)					
	Warranty	5 Years					

• In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2, IEC 62386-209

• Built-in DALI-2 interface, DALI DT8 device

• Dimmable LED driver with linear metal housing. Max. output power 60W

• 120-550mA current selectable via NFC program tool. Min.current gear lower to 0.1mA

DALI Address/Group/Scene setting via NFC program tool

• For luminaires of protection class I and protection class II

• High power factor and efficiency. Non-SELV rated driver

• To switch and dim LED lighting luminaries, Tunable white control

• Amplitude/CCR dimming, smooth and deep dimming

 \bullet Compatible with universal DALI masters that support DT8 commands

• DALI-251/252/253 Enabled, DALI data inside

 \bullet 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

With DALI master

1. DALI Address

1 DALI address for 2 channels output are assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.

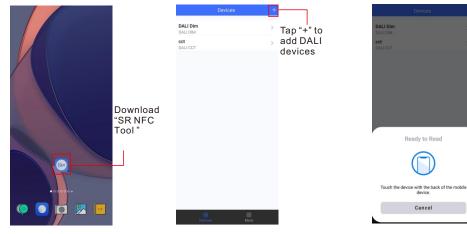
With NFC Programming devices

Note

- 1) Do wiring according to the wiring diagram and power on the DALI system .
- 2) Recommend setting parameters without power-on the DALI devices .
- 2) Please make sure your mobile phone has NFC function and enable it .

Working with "SR NFC Tool" APP

Step 1: Download the APP (searching "SR NFC Tool" from App Store and Google Play) . Then open the APP .



Note: 1. Please Make sure that you have enabled NFC function with your mobile phone/ tablet .

- 2. Please Make sure that the "NFC position" is matched.
- 3. Please do not power on the device before setting.
- 4. If you can't download "SR NFC Tool". Please contact with us.

Step 2: Add device, and name it as you wish.



Add confi	guration
Cancel	Save

DALI DIM DALI DIM cct DALI CCT	Devices	
DALI Dim 2 DALI DIM	DALI Dim 2	

Step 3: Unlock device, enter parameters configuring page.

< D	ALI Dim 2 🔒		<	DALI Dim 2	ර		× .	Opt	tions
Device Type	DALI DIM	Locked	Device Type		DALI DIM	Unlock it		Max level Min level	
Product Id	0x01000001	Looked	Product Id		0x01000001	OTHOCK IL		Mini level	
Target current	300.0mA		Options		>		0	Power on level System failure lev	vel
			Target current		300.0mA >		•	Short address Groups	
							٥	Fade time Fade rate	
							•	Dimming curve	
							۲	Scenes	
							0	Target current	
							•	Low side current	error compensat
Set A	ll Attributes		Se	et All Attributes				Unselect All	Select Al

Note: 1. You have to unlock the device then do some settings

2. Only when the corresponding function is selected, the function interface will be displayed.

Step 4: Few parameter interface, you can choose the setting based on your requirements.

	Dim 2 🖬
vice Type	DALI DIM
uct Id	0x01000001
ns	>
el	100.0% >
level	0.100% >
ver on level	MASK >
tem failure level	MASK >
address	0 >
	>
e	Extended fade >
e	358steps/s >
curve	Logarithmic >
	>
Set All A	
cel System fa	ilure level Save
el	
5 (MASK)	- + +
	0
	255
ng curve	255

Step 5: After setting, please save the selected configuration via NFC and power on the device.

	Scenes	Cancel Targ	et current Save	< DALI Dim	2 6	< DALI Dim	2
cene 0	level MASK >			Options	>	Options	
cene 1	level MASK >	3000	300.0mA 1=0.1mA	Max level	100.0% >	Max level	
cene 2	level MASK >	Value range 1000-5000	D	Min level	0.100% >	Min level	
cene 3	level MASK >						
ene 4	level MASK >			Power on level	MASK >	Power on level	
ene 5	level MASK >			System failure level	MASK >	System failure level	
ene 6	level MASK >			Short address	0 >	Short address	
ene 7	level MASK >			Groups	>	Groups	
ene 8	level MASK >			Fade time	5.7s >	Fade time	
ene 9	level MASK >			Tage unie	5.767	rade time	J.
ene 10	level MASK >			Ready to W	/rite		
ene 11	level MASK >			\sim		\sim	
ene 12	level MASK >)	(\checkmark))
ene 13	level MASK >					\mathbf{C}	
ene 14	level MASK >			Touch the device with the b	ack of the mobile	Successful	
ene 15	level MASK >			device.		Succession	
				Cancel			
Read	Write	Read	Write		4		

Tips

- **1. NFC function doesn't require any power driver.**
- 2. Many functions can be configured by NFC. Kindly check your desired functions.
- 3. All of our DALI drivers are in the best performance within our DALI master/ gateway.

2.Enter CLO Setting homepage

Cancel	CLO	Save	Cancel		Done		Cancel	CL	0	Sa
Preview Output Level (%)			Time				Preview Output Level (%)			
40	nvalid		10 Value range 1-10	kh			100 80 60 40			
0 Operat	ing Time (kh)		Level				20 0 10	20 30 4 Operating	i0 Time (kh)	
Times and Levels			75	%			Times and	Levels		
1 2 Invalid Invalid	3 Invalid	4 Invalid	Value range 1-10	00			1 10kh 75%	2 20kh 80%	3 30kh 85%	4 40kh 90%
5 6 Invalid	7 Invalid	8 Invalid					5 Invalid	6 Invalid	7 Invalid	8 Invalid
Working hours		0 hour(s)					Working h	ours		0 hour
Read	W	rite					Rea	d	W	/rite

Tips:

Working hours : Ability to calculate the working hours of a single driver.

CLO AND CORRIDOR DIM(CD) FUNCTION INSTRUCTION

1. Open APP, and Find the CLO/CD functions

K 12CC	đ	K 12CC	đ
System failure level	100.0%	System failure level	100.0% >
Short address	0	Short address	0 >
Groups		Groups	>
Fade time	2.0s	Fade time	2.0s >
Fade rate	5.6steps/s	Fade rate	5.6steps/s >
Dimming curve	Logarithmic	Dimming curve	Logarithmic >
Scenes		Scenes	>
Target current	100.0mA	Target current	100.0mA >
Minimum current compensation	MASK	Minimum current compensation	MASK >
Constant lumen operating	Disabled	Constant lumen operating	Disabled >
Corridor	PD mode	Corridor	PD mode >
Set All Attribut	tes	Set All Attrib	utes
Read From the N	NFC Driver	Unlock it,and C	lick here



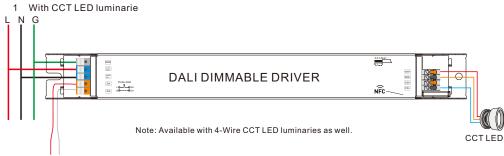
Additional Remarks

1.	Please make sure your APP version is 1.0.10 or higher.
2.	Please make sure NFC driver's firmware is available with
	CLO function.

Graphic display

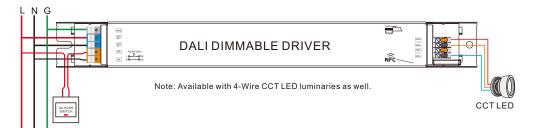
Wiring Diagram

1. With DALI bus



DALI Bus

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%.

3) Double click the button to switch between brightness mode and color temperature mode.

4) Press and hold down the button to change color temperature under color temperature mode.

Product Dimension

