

# USER GUIDE

## SR-2303AC-4CHDIN

Universal dimmer controlled by push-button or DALI signal



www.lef Lighting.it

### Reference Standards

EN 62386-101  
EN 62386-102  
EN 62386-207

### General Characteristics

DIN rail plastic case (8 modules)  
Device not for independent mounting  
Electric class protection II  
Protection degree IP20

### ATTENTION:

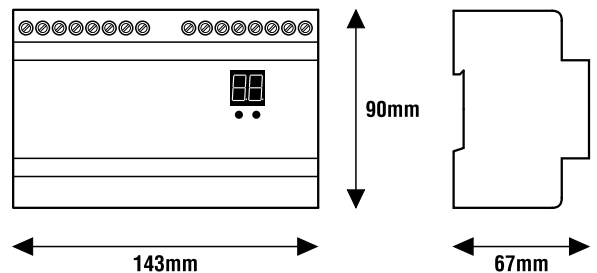
The installation of the product must be followed by qualified personnel.  
If the product is used for purposes other than the original ones or if it is connected incorrectly, LEF Lighting S.R.L. will not accept any responsibility for damages caused.

CODICE CODE	Comando Command	RESISTIVO RESISTIVE Lampade ad incandescenza o alogene Incandescent or halogen lamps 230Vac	INDUTTIVO INDUCTIVE Trasformatore lamellare e toroidale Laminated and toroidal transformer 230/12Vac	Alimentatore elettronico con lampade ad incandescenza o alogene Electronic driver with incandescent or halogen lamps 230/12Vac	Alimentatore elettronico con lampade LED dimmerabili Electronic driver with dimmable LED lamps 230/12Vac	Alimentatore elettronico dimmerabile con uscita in CC/CV per LED Dimmable electronic driver with CC/CV output for LED 230Vac	Lampade LED dimmerabili Dimmable LED lamps 230Vac	Moduli LED dimmerabili Dimmable LED modules Seoul ACRICH 230Vac	Strip LED dimmerabili Dimmable Strip LED 230Vac	Peso Weight (g)
SR-2303AC-4CHDIN	PUSH   DALI	1x800W	-	1x400W	1x400W	1x400W	1x400W	1x800W	1x800W	500
		2x600W	-	2x300W	2x300W	2x300W	2x300W	2x600W	2x600W	
		3x500W	-	3x250W	3x250W	3x250W	3x250W	3x500W	3x500W	
		4x400W	-	4x200W	4x200W	4x200W	4x200W	4x400W	4x400W	

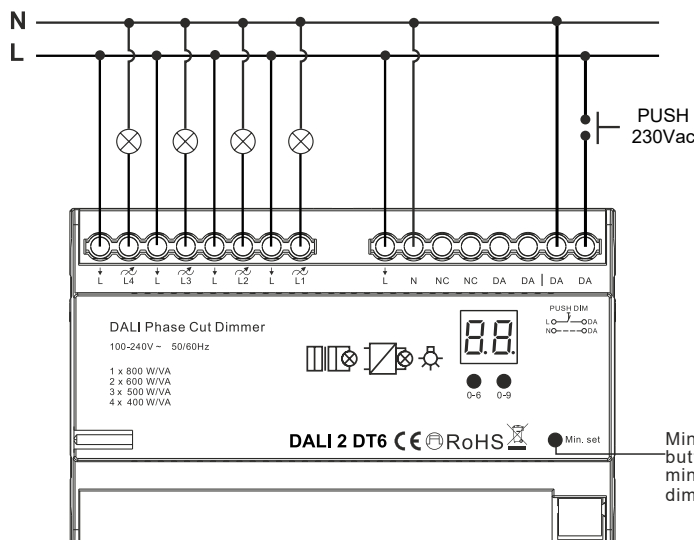
### Technical Features

Input voltage range 110-240Vac  
Input frequency 50+60Hz  
4-channel dimmer with Phase-cut output (IGBT)  
Dimming control through:  
- push-button (PUSH 230Vac)  
- DALI signal  
With manual DALI channel addressing function (via push-buttons and display)  
DALI consumption 2mA  
Manageable power (see table)  
Minimum brightness calibration by PUSH-BUTTON.  
Short circuit protection (SCP)  
Operating ambient temperature  $T_a$  -20°C ÷ +50°C  
Max case temperature on  $T_c$  75°C

DIM DALI	DALI 2	DALI DT6	DIM PUSH 230Vac	OUT IGBT	DISPLAY
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### PUSH-BUTTON mode (PUSH 230Vac)



### SET THE MINIMUM DIMMING BRIGHTNESS POINT

The factory adjustment range is 1% ~ 100%, but some types of loads may flicker when dimmed to 1%, so the minimum brightness can be set higher than 1% .  
The minimum brightness level can be reset as follows:  
Adjust the load of L1 to the desired brightness, then press and hold the "Min. Set" button until the load on L1 flashes, at this point the minimum is set to this brightness.  
Factory reset: bring the L1 load to 100%, then press and hold the "Min. Set" button until the load of L1 flashes.

Minimum set button, to set minimum dimming level

### N.B.

In PUSH-BUTTON mode all the outputs work simultaneously.

[AA] Rev. v1.10 17/10/2022

MADE IN P.R.C.



PRODUCT TO BE DISPOSED DIFFERENTLY FROM URBAN WASTE  
AEE Identification nr.IT18040000010321

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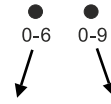
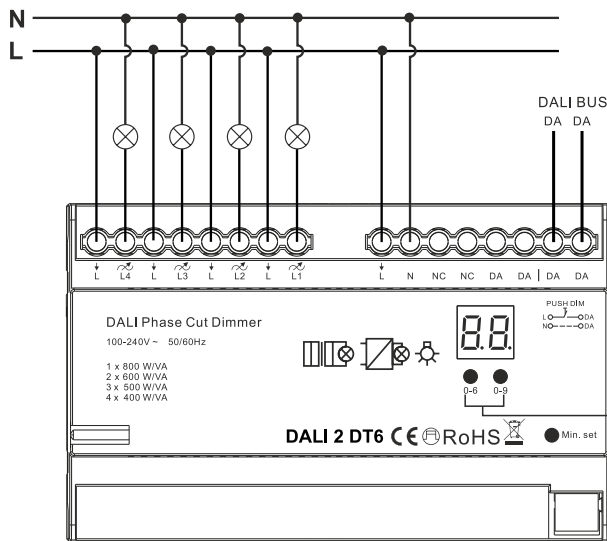
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## SR-2303AC-4CHDIN

Wiring diagrams



### DALI mode



Push-button 1 Push-button 2

Mode	Output	Address
1A	L1	00
	L2	00
	L3	00
	L4	00
2A	L1	00
	L2	01
	L3	00
	L4	01
3A	L1	00
	L2	01
	L3	02
	L4	02
4A	L1	00
	L2	01
	L3	02
	L4	03

Buttons for manual setting of DALI address

### MANUAL ASSIGNMENT OF THE DALI ADDRESS VIA BUTTONS



- Press and hold one of the two buttons "0-6" and "0-9" until the numeric display flashes, then release the button.
- Press once on one of the two buttons "0-6" and "0-9" to select a digit, press again to modify the digit to the desired value. Press the first button "0-6" to set the "tens" position and press the second button "0-9" to set the position of the "units". DALI address can be set from "00" to "63".
- Press and hold any of the two buttons until the numeric display stops flashing for confirm the settings.

**N.B.** : The DALI address can be manually assigned from "00" to "63" and "FF". To set the "FF" value arrive to channel "63" and then press the "0-9" button once.  
Setting the "FF" address will restore the dimmer to the factory settings.

### ASSIGNMENT OF THE DALI ADDRESS VIA DALI MASTER

The DALI address can be automatically assigned by the DALI MASTER controller. Follow the instructions in the DALI MASTER manual.

**N.B.** The digital display shows the "AU" symbol when the DALI MASTER is assigning the addresses.

### SET DALI ADDRESS QUANTITY (SEE TABLE)

- Press and hold both buttons "0-6" and "0-9" until the numeric display flashes, then release the button.
  - Press the first button "0-6" to select "1A", "2A", "3A" or "4A" which means 1/2/3/4 DALI addresses.
  - Then press and hold one of the two buttons until the display stops flashing to confirm the setting.
- For example, when we set the DALI address to 00:
- When selecting 1A, the load of all 4 channels will have the same address 00 and will be controlled at the same time.
  - When 2A is selected, channels L1 and L3 will have the same address 00, outputs L2 and L4 will have the same address 01.
  - When you select 3A, channel L1 will have the address 00, channel L2 will have the address 01, channels L3 and L4 will have the address 02.
  - When 4A is selected, channel L1 will be address 00, channel L2 will be address 01, channel L3 will be address 02, channel L4 will be address 03.

**N.B.:** The channels with the same address will be controlled at the same time, the channels with different addresses will be controlled separately.