

USER GUIDE

MINI-LEDL-D/P

Dimming interface for voltage LED 12-24-48Vdc (CV)

///////HIGH PERFORMANCE



Technical Features

Input voltage range 12-24-48Vdc
Output voltage range 12-24-48Vdc
Brightness regulator for LED modules 12-24-48Vdc
Brightness adjustment through:
- push-button (PUSH 230Vac)
- push-button (PUSH 12-24-48Vdc)
- DALI signal
- 1-10V signal
(setting by jumper)
Frequency of the output voltage PWM: 2000Hz (2KHz)
Open circuit protection (OCP)
Protection against overtemperature (OTP)
Short circuit protection (SCP)
Operating ambient temperature T_a -25°C ÷ +45°C
Max case temperature on T_c 75°C

General Characteristics

Plastic case
Device for independent mounting
Electric class protection II
Protection degree IP20
New High Frequency technology (2KHz) to improve the quality of light in video shooting



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DIMMING JUMPER		
Comando Command	1	2 3
1-10V PUSH		
DALI		



Set jumper on pin 1 and 2 position for 1-10V



Set jumper on pin 2 and 3 position for Push



None jumper on pin 1, 2 and 3 position for DALI

CODICE CODE	Tensione di ingresso Input voltage (Vdc)	Tensione di uscita Output voltage (Vdc)	Corrente di uscita Output current (A)			Potenza di uscita Output power (W)			Comando Command	CC CV	Peso Weight (g)
			@12Vdc	@24Vdc	@48Vdc	@12Vdc	@24Vdc	@48Vdc			
MINI-LEDL-D/P	12-24-48	12-24-48	6	6	6	72	144	288	PUSH DALI 1-10V	CV	50

Memory of the last data dimming:

In presence of network, at each ON, the driver starts from the last data set.

Restart after mains failure:

- In PUSH dimmer mode, it starts from the last data set.
- In DALI dimmer mode, it starts from the last data set.

Default DALI (factory configurations):

- Power on: 100%
- System fail level: 100%

OPERATING MODE

There are three distinct modes of operation read on startup (the settings have to be made by jumper before ignition):

PUSH, DALI, 1-10V.

1) PUSH MODE (setting tought jumper between pins 2 and 3)

- Short press the push button for ON/OFF (on and off ramps)
- Long press the push button to increase or decrease light intensity (2-100%). Regulation automatically stops at minimum and maximum values - for another regulation or off command, release the push button and give the desired command again.
- Memory of the last data dimming. At each ON the driver starts from the last data set
- **Method of resynchronisation** (sometimes the system could be out of sync, i.e. Some lamps will be on, others off, etc.). In OFF/ON position press the Push key for a long time (30 sec), the driver will be 100% and the system will now be resynchronised
- Total length of PUSH cables: 15m

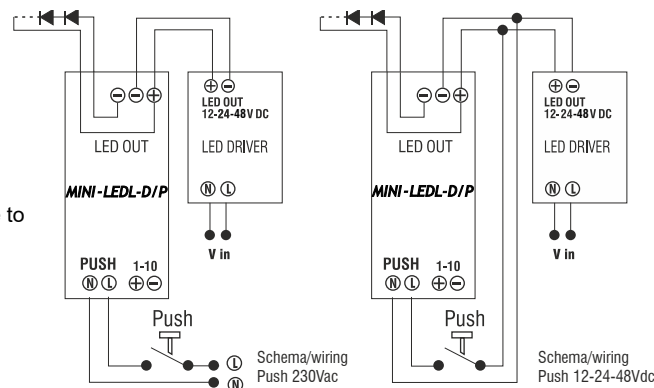
2) DALI MODES (Setting removing the jumper)

- The dimming level is set by the DALI signal value sent

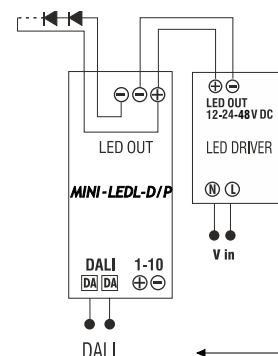
3) 1-10V MODE (setting tought jumper between pins 1 and 2)

- It is possible to use commercial 1-10V dimmers. LED brightness varies proportionally to the signal sent to the terminal.
- It is possible to use 100KOhm potentiometers. LED brightness change is proportional or logarithmic depending on the potentiometer model (recommended logarithmic type).

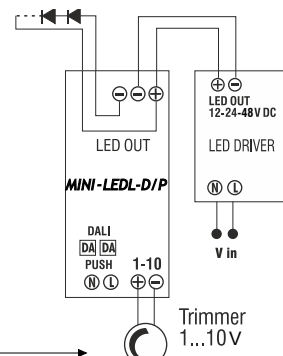
Wiring diagram PUSH



Wiring diagram DALI



Wiring diagram trimmer, 1/10V



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.



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

MADE IN ITALY

DALI DT6	DIM DALI	DALI 2	JUMPER	DIM 1-10V	DIM PUSH 12-24-48Vdc	DIM PUSH 230Vac
ta MAX 50°C	tc MAX 75°C	288 WATT	DC 12V DC 24V DC 48V	CV	30mm	

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