

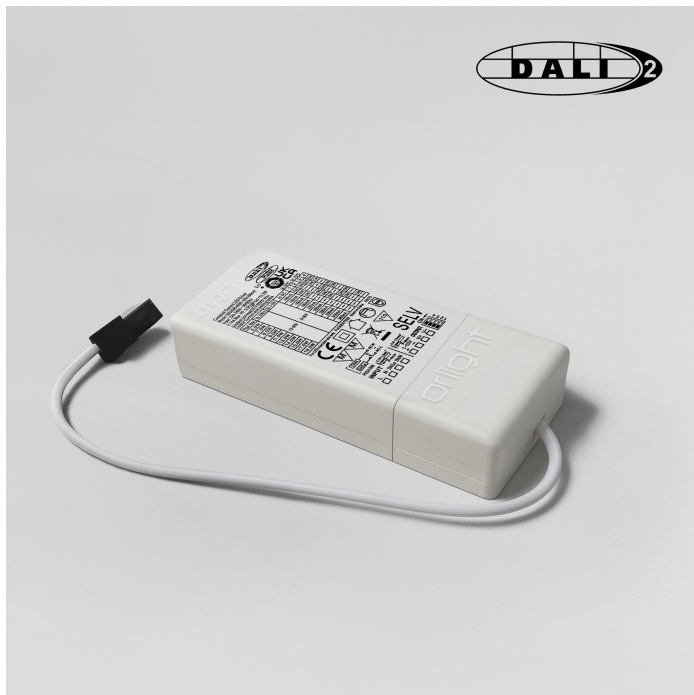
MAXDR-MINI-500MA

ITEM NO. DRIVER - 22253

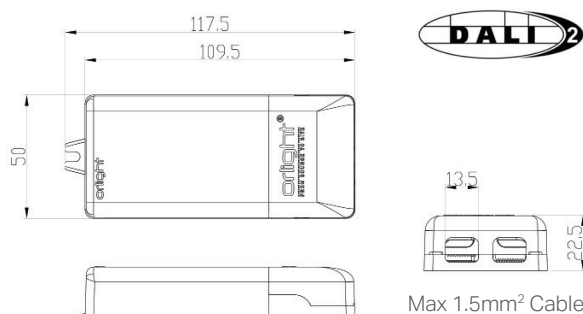
MAXDR-MINI-500mA is a constant current LED driver. Featuring DALI-2, Push-DIM and 1-10V.

Input: 220-240VAC ~ 50-60Hz

Output: 250-700mA



Dimension



Technical Specifications

Dimming Options	DALI; Push-DIM; 1-10V
Type	Constant Current
Input Voltage	220-240VAC
Input Frequency	50-60Hz
In-Rush Current	19.2A @ 30μs
Output Voltage	57V Max (NO LOAD)
Lifetime	>50,000 hours
IR Rated	IP20
Ta	-20 °C ~ +45 °C
Tc	85 °C
THD	<10%
Glow Wire Test	850 °C for 5S; 650 °C for 30S

DALI Standard

IEC 62386-101: 2014. IEC 62386-102: 2014,

IEC 62386-207: 2009, DALI-2

Flicker

Output P_ST_LM [at full load] ≤ 1

Output SVM [at full load] ≤ 0.4

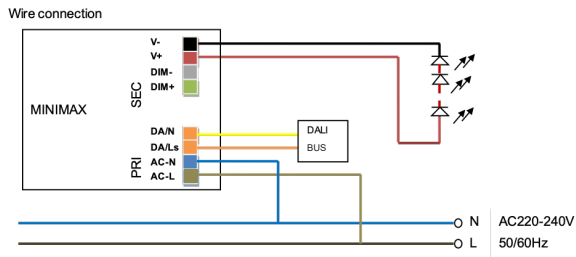
Operating Window

Make sure that the LED driver is operated within the given window under all operating conditions. Special attention needs to be paid at dimming and DC emergency operation as the forward voltage of the connected LED modules varies with the dimming level, due to the implemented amplitude dimming technology. Coming below the specified minimum output voltage of the LED driver may cause the device to shut-down.

Pout	Forward Vo DALI	Forward Vo 1-10V	Io DC	Dip Switch 1	Dip Switch 2	Dip Switch 3	Dip Switch 4
12.5W	12-50V	3-50V	250mA	ON	ON	ON	ON
15.0W			300mA	ON	—	ON	ON
17.5W			350mA	ON	—	—	—
20.0W			400mA	—	ON	ON	ON
19.8W	12-44V	3-44V	450mA	—	ON	—	ON
20.0W	12-40V	3-40V	500mA	—	ON	—	—
19.8W	12-36V	3-36V	550mA	—	—	ON	ON
19.8W	12-33V	3-33V	600mA	—	—	ON	—
20.2W	12-31V	3-31V	650mA	—	—	—	ON
20.3W	12-29V	3-29V	700mA	—	—	—	—

MAXDR-MINI-500MA

Circuit Diagram: DALI



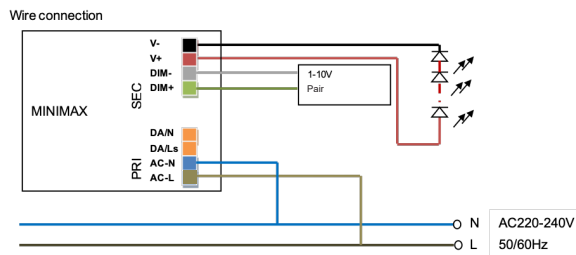
Compatible with both DALI-2 application controllers or DALI-1 master.

DALI signal to the DA1 and DA2 terminals are polarity-free.

Addressing:

- Max 64 IP addresses.
- Max. 16 Groups
- Dimming Range 1-100%

Circuit Diagram: 1-10V

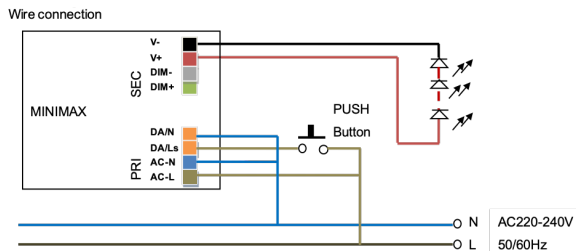


Compatible with both passive and active 1-10V dimmers.

Connect the 1-10V Master as per wire schematic, then you can dim using a 1-10V dimmer.

The maximum permissible length of the control line is 100M.

Circuit Diagram: Push-DIM



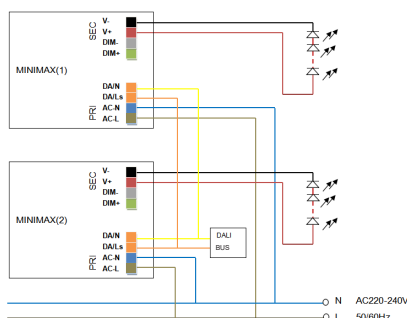
Do not use more than 20 MAXDR-MINI-250-700mA in a single push-DIM application.

B) The cable length between the push-button and the farthest MAX-DR-MINI may not be longer than 105M. Compensation measures must be applied for line lengths required to be more than 25M long.

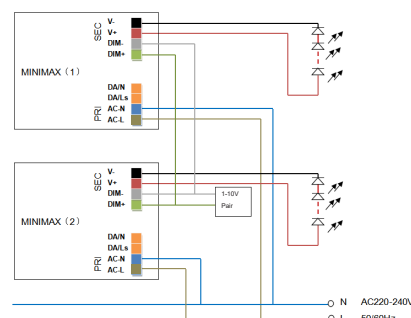
Operation	Action Duration	Action
Briefly Press	0.04-0.5 sec	Light ON/OFF
Press & hold at ON status	0.50-5.0 sec	Brightness Dimming down to 2%, or up to 100%
Press & hold at OFF status	0.50-5.0 sec	Brightness Dimming from 2%, up to 100%

Parallel Wiring

DALI



1-10V



PUSH DIMMING

