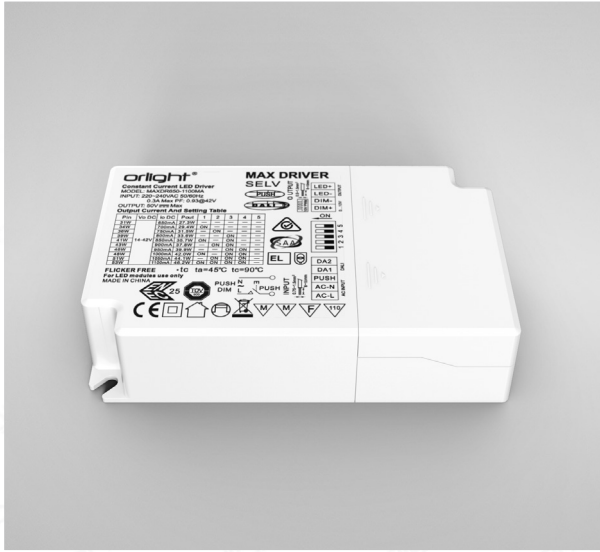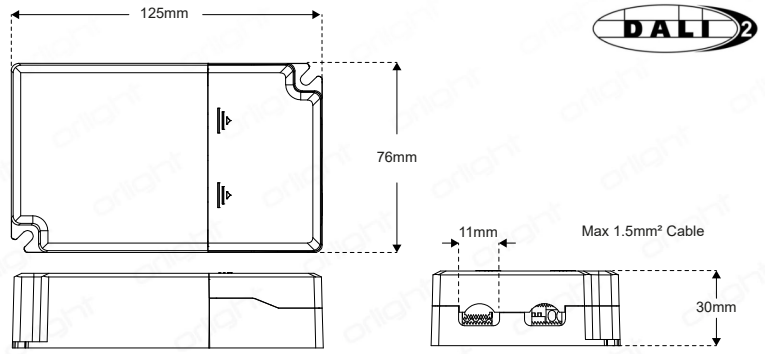## MAXDR650-1100MA - LED Driver

Description

MAXDR650 is a constant current LED driver. Featuring DALI-2, Push-DIM and 0-10V.

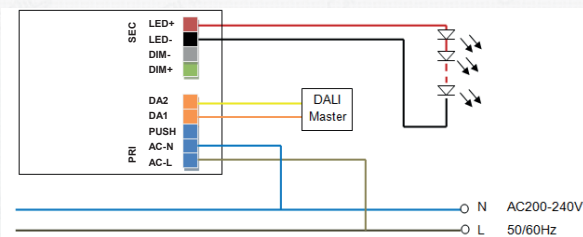Input: 220-240VAC ~ 50-60Hz. Output: 650-1100mA, 50V Max.

Dimensions

125mm

76mm

11mm · Max 1.5mm² Cable

30mm

Specification

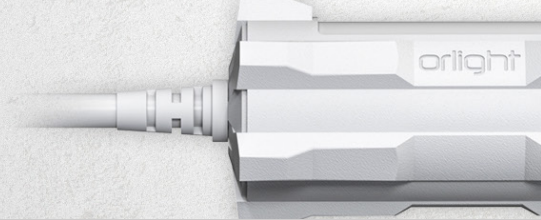| Dimming Options	DALI; Push-DIM; 0-10V									
Type	Constant Current									
Voltage Range	14-42V									
Input Voltage	220-240VAC									
Input Frequency	50-60Hz									
In-rush Current	40A @ 350μs									
Output Voltage	50V Max.									
Output Current	650mA	700mA	750mA	800mA	850mA	900mA	950mA	1000mA	1050mA	1100mA
Output Power	27.3W	29.4W	31.5W	33.6W	35.7W	37.8W	39.9W	42W	44.1W	46.2W
Lifetime	>50,000 hours									
IP Rated	IP20									
Ta	-20˚C ~ +45˚C									
Tc	90˚C									
THD	<7%									
DALI Standard	IEC 62386-101: 2014. IEC 62386-102; 2014, IEC 62386-207: 2009, DALI-2									
Glow Wire Test	850˚C for 5S; 650˚C for 30S									

Circuit Diagram: DALI

Instructions

Compatible with both DALI-2 application controllers or DALI-1 master.
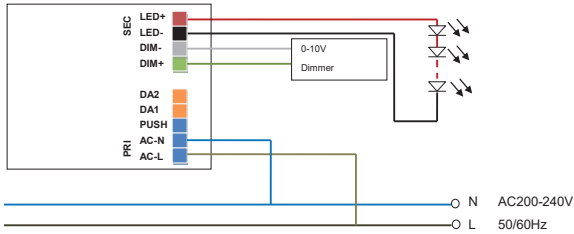
DALI signal to the DA1 and DA2 terminals are polarity-free.

Addressing:

- Max 64 IP addresses.

- Max. 16 Groups

- Dimming Range 1-100%

Circuit Diagram: 0-10V

SEC
LED+
LED-
DIM-
DIM+
0-10V Dimmer

DA2
DA1
PUSH
PRI
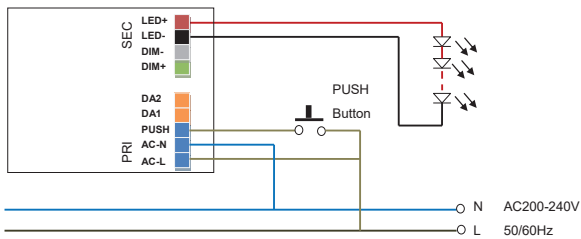AC-N
AC-L

N   AC200-240V
L   50/60Hz

Compatible with both passive and active 0-10V dimmers.

Connect the 0-10V Master as per wire schematic, then you can dim using a 0-10V dimmer.

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

Circuit Diagram: Push-DIM

SEC
LED+
LED-
DIM-
DIM+

DA2
DA1
PUSH
PRI
AC-N
AC-L

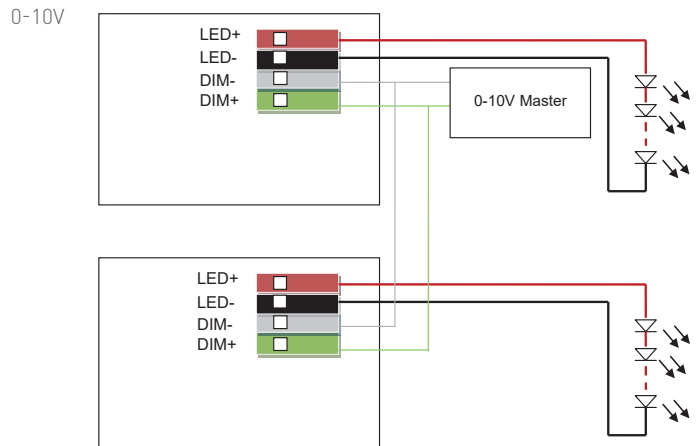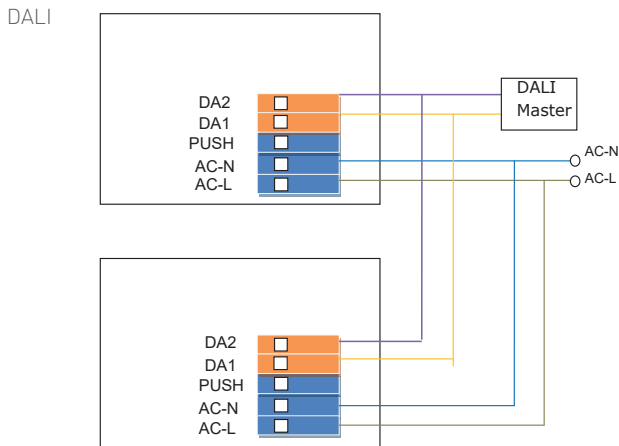PUSH Button

N   AC200-240V
L   50/60Hz

Do not use more than 20 MAXDR250 in a single push-DIM application.

B) The cable length between the push-button and the farthest MAXDR250 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

DA2
DA1
PUSH
AC-N
AC-L

DALI Master

AC-N
AC-L

DA2
DA1
PUSH
AC-N
AC-L

0-10V

LED+
LED-
DIM-
DIM+

0-10V Master

LED+
LED-
DIM-
DIM+

Product Coding: Example: MAXDR650-1100MA

CODE
MAXDR650-1100MA