

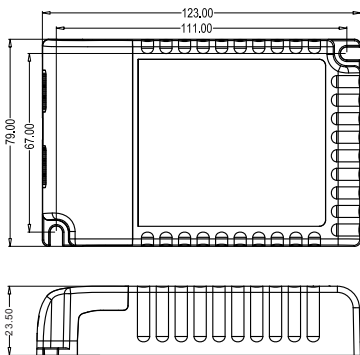
ML50C2-PV Multifunction Dimmable LED Driver



- Multi output current and voltage selectable via DIP switch
- Two constant current output channels
- Primary and secondary dimming with PUSH button
- Secondary dimming with 1-10V dimmer
- Protection: Short circuit / Over voltage / Over temperature
- Press-in terminals in primary and secondary side, easy assembly
- Dimming level memory at mains restores.
- Power supplies synchronization function up to 15 units.



SPECIFICATIONS



unit:mm

Model	ML50C2-PV, 2x25W
Rated voltage	220-240V AC, 50/60Hz
Input current	0.26A max.
Power factor	>0.9
Output voltage	68V DC max.
Operating temperature	Ta: 50°C Tc: 85°C
Output current /voltage & load	250mA 16~60V DC 2x15W max 350mA 16~60V DC 2x21W max 400mA 16~60V DC 2x24W max 450mA 16~56V DC 2x25W max 500mA 16~50V DC 2x25W max 550mA 16~46V DC 2x25W max 600mA 16~42V DC 2x25W max 700mA 16~36V DC 2x25W max
Overheating protection	Overheating protection with auto rest
EMC standard	EN55015, EN61547
Safety standard	EN61347-1, EN61347-2-13
Certification	SEMKO, CE
Dims	123 x 79x 23.5 mm
Protection class	IP20, built-in type

APPLICATION



1-10V Dim



Push dim



Dimming level memory at mains restore



Optional output current



5 Years Guarantee



OUTPUT SELECTION

CONNECTION

1. Start with setting the output current/voltage. The current/voltage can be easily configured by choosing the correct combination of the DIP switches (see table, fig. A).
2. Select the applicable dimming mode by jumper (see fig. B).

PUSH BUTTON SWITCH FOR DIMMING (Fig. C and D)

- Primary push dimming is always active, except when the jumper is on J3.
- Secondary push dimming is active when the jumper is on J2.
- On/Off: Short push on the switch
- Stepless dimming: Long push on the switch. With every other long push, the light level goes the opposite direction.
- Built-in with permanent memory: Light returns to the previous dimming level when switched off and on again, even at power failure.

ON		1	2	3		1	2	3
●	1	●	●	●	700mA	●	●	●
↑	2	○	○	●	600mA	○	○	●
	3	●	○	○	550mA	○	○	●
	4	●	○	○	500mA	○	○	○
	5	○	○	○	450mA	○	○	○
	6	○	●	○	400mA	○	●	○
	7	○	○	○	350mA	○	○	○
○	8	○	○	○	250mA	○	○	○
↓								
OFF								
		CH1				CH2		

Fig. A

1-10V DIMMER (fig. E)

- Factory setting: 1-10V dimming, jumper is on J1.
 - Note! Using primary or secondary push dimming will make 1-10V dimming inactivated. It has to move jumper as following steps when change push dimming to 1-10V dimming.
- 1, Turn off the LED driver and move the jumper to J3, then power on LED driver for at least 3 seconds.
 - 2, Disconnect the LED driver from the power. Move the jumper to J1. Then, 1-10V dimming is active.

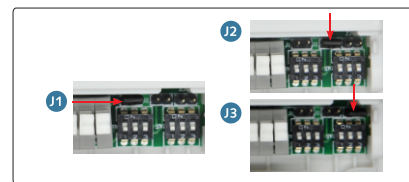


Fig. B

SYNCHRONIZATION

No need additional synchrony wire in larger installations, up to 15pcs drivers when connected to the same switch.

WIRING SCHEME

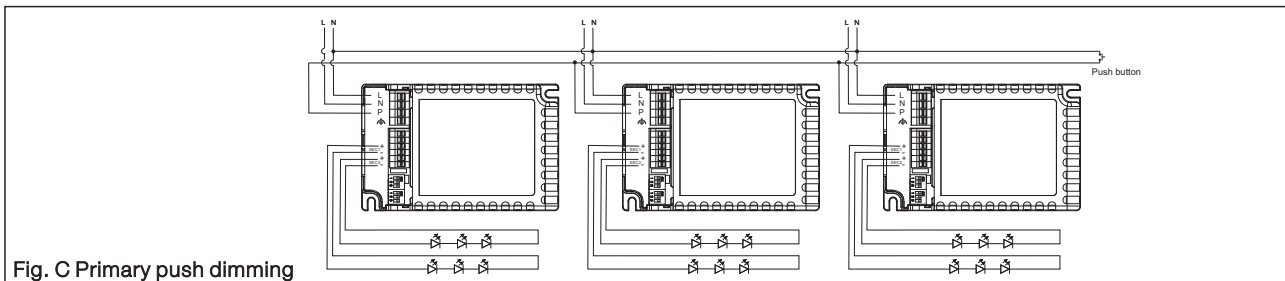


Fig. C Primary push dimming

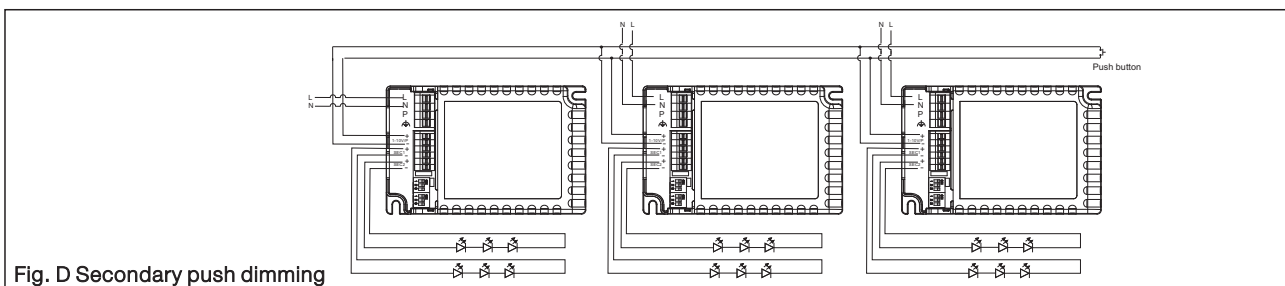


Fig. D Secondary push dimming

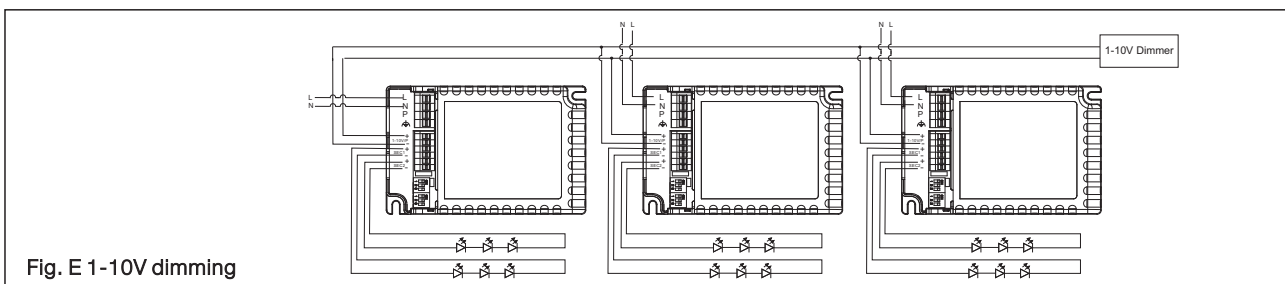


Fig. E 1-10V dimming