

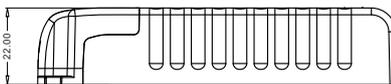
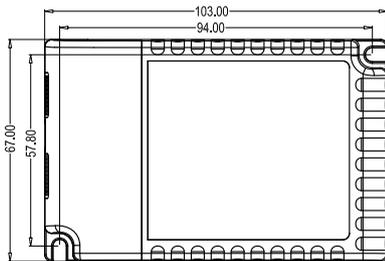
ML30C-PV Multifunction Dimmable LED Driver



- Multi output current and voltage selectable via DIP switch
- 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	ML30C-PV, 1x30W	
Rated voltage	220-240V AC, 50/60Hz	
Input current	0.16A 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 15W max 400mA 16~60V DC 24W max 500mA 16~58V DC 29W max 600mA 16~50V DC 30W max 12V DC 0-700mA 8.4W max	350mA 16~60V DC 21W max 450mA 16~60V DC 27W max 550mA 16~55V DC 30W max 700mA 16~43V DC 30W max 24V DC 0-700mA 16.8W max
Abnormal protection	Output short-circuit protection with auto reset	
Overheating protection	Overheating protection with auto rest	
EMC standard	EN55015, EN61547	
Safety standard	EN61347-1, EN61347-2-13	
Certification	SEMKO, CE	
Dims	103 x 67x 22 mm	
Protection class	IP20, built-in type	

APPLICATION



1-10V Dim



Push dim



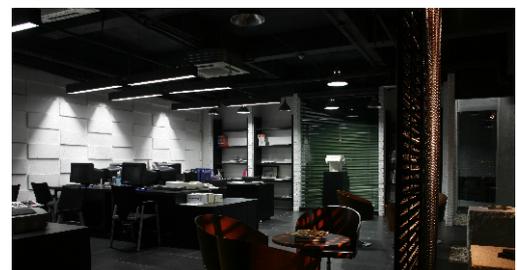
Dimming level memory at mains restore



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).

	1	2	3	4	5	
1	○	●	●	●	●	24V
2	●	○	●	●	●	12V
3	○	○	●	●	●	700mA
4	○	○	○	●	●	600mA
5	○	○	○	○	●	550mA
6	○	○	●	●	○	500mA
7	○	○	○	○	○	450mA
8	○	○	○	○	○	400mA
9	○	○	○	○	○	350mA
10	○	○	○	○	○	250mA

Fig. A

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.

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.

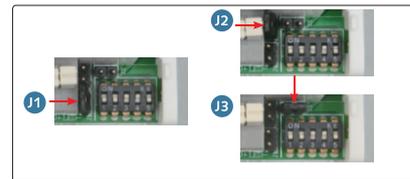


Fig. B

SYNCHRONIZATION

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

WIRING SCHEME

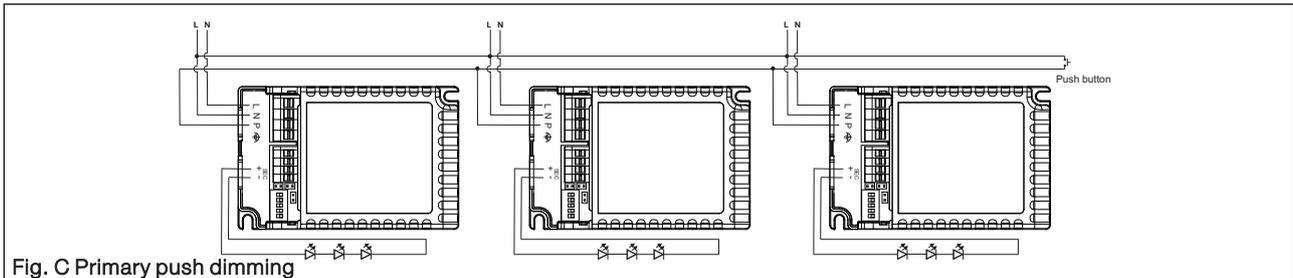


Fig. C Primary push dimming

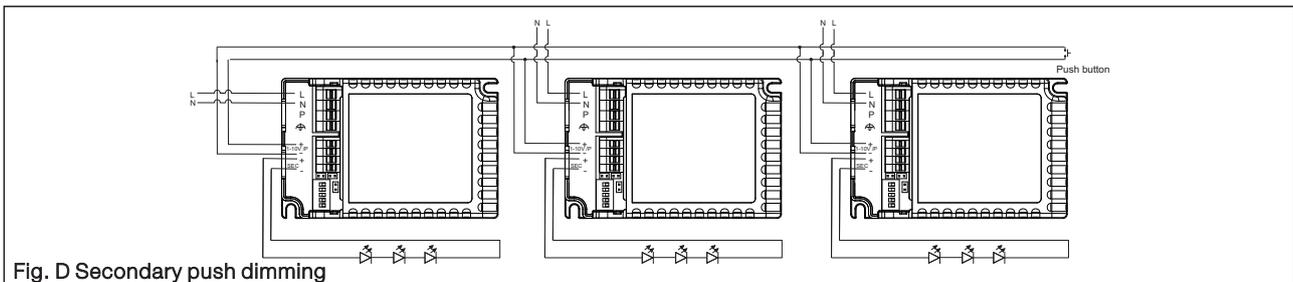


Fig. D Secondary push dimming

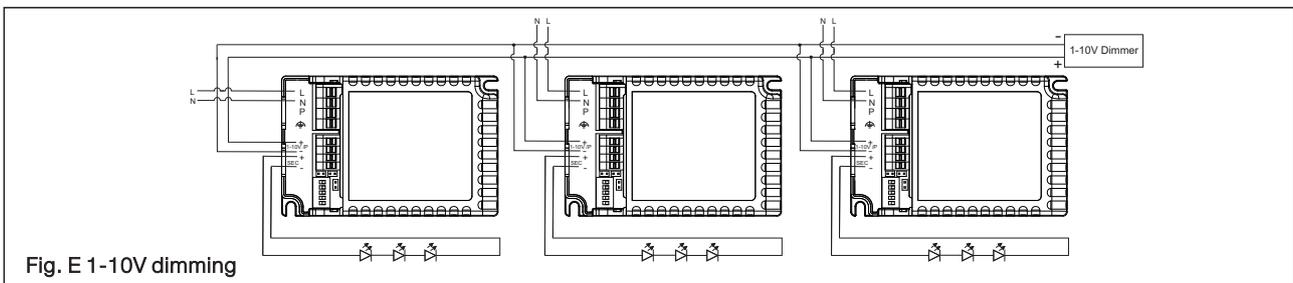


Fig. E 1-10V dimming