

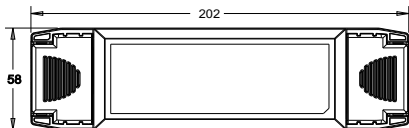
# ML50C2-PDV DALI LED Driver



- 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
- Built-in DALI interface
- 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-PDV, 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 6~60V DC 2x15W max    350mA 6~60V DC 2x21W max 400mA 6~60V DC 2x24W max    450mA 6~56V DC 2x25W max 500mA 6~50V DC 2x25W max    550mA 6~46V DC 2x25W max 600mA 6~42V DC 2x25W max    700mA 6~36V DC 2x25W 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
DALI standard	IEC62386-101, IEC62386-102, IEC62386-207
Certification	CE
Dims	202 x 58x 30 mm
Protection class	IP20, built-in type

## APPLICATION



1-10V Dim



Push dim



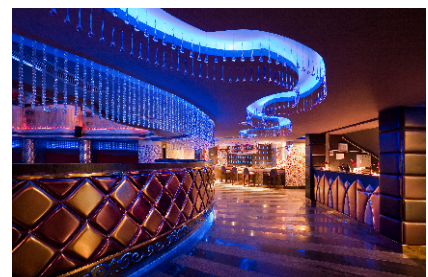
Dimming level memory at mains restore



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

- On/Off: short push (0.1 - 1s) on the switch.
- Stepless dimming: Long push (>1s) on the switch.
- for fine tuning of light level: 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.

### Synchronization FOR PUSH-CONTROL MODE ONLY

Up to 15 pcs drivers can be connected to the same switch, thanks to the programme. This means there is no need for any additional synchrony wire in larger installations, where many drivers should be controlled by one switch.

For the synchronization to work correctly when more than one driver is connected to the same push button, please follow the step below after the drivers are connected: Do a long push (>15s), the system will now be synchronized

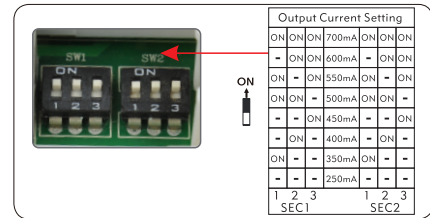


Fig. A

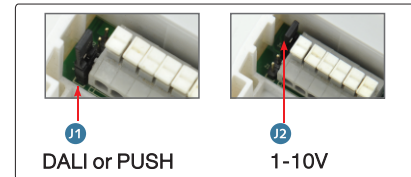


Fig. B

The LED driver supports push dimming function. Push-control and DALI interface can not be connected simultaneously.

## WIRING SCHEME

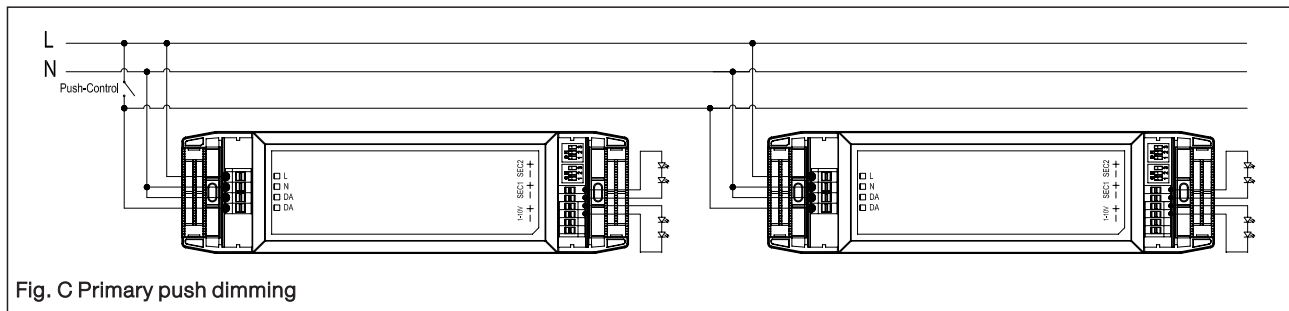


Fig. C Primary push dimming

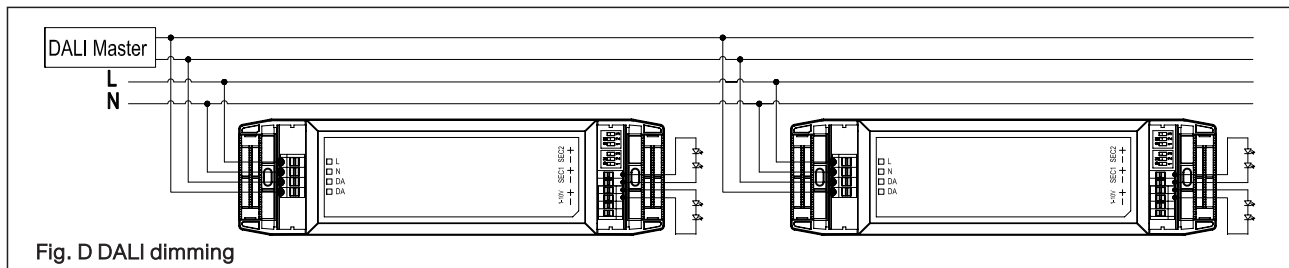


Fig. D DALI dimming

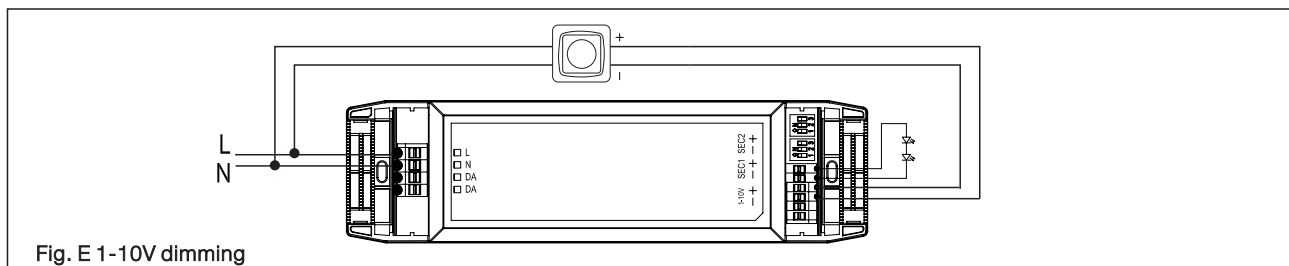


Fig. E 1-10V dimming