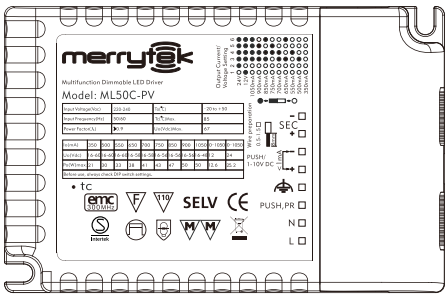
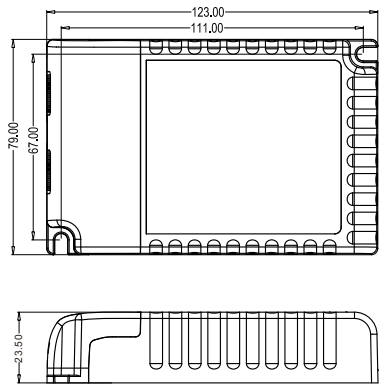
User's manual for multifunction dimmable LED driver
Model NO.: ML50C-PD



- Multi output current and voltage selectable via DIP switch
- Primary dimmable by PUSH button
- Secondary dimmable by PUSH button
- Secondary dimmable by 1-10Vdc
- Memory function: Light returns to previous dimming level when switched off an on again, even at power failures
- Protection: Short circuit / Over voltage / Over temperature
- 5 years guaranty

SPECIFICATIONS



unit:mm

OUTPUT SELECTION

Different configurations of DIP switches are used for different LEDs.
NOTE:
1, Before use, please make sure the correct selection of DIP switches!
2, 12Vdc /24Vdc is not constant voltage strictly, it is a limit that the output voltage will not exceed 12Vdc /24Vdc when output 700mA.

Connection

1. Start with setting the output current and voltage which are easily configured by choosing the correct combination of the DIP switches (see table, fig. A).
2. Connect the luminaires to the driver according to the wiring diagram (see fig. B).

Push Button Switch for Dimming (no. 3 fig. B and C)

- 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 SWITCH-DIM MODE ONLY (see wiring diagram, fig. C)

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:

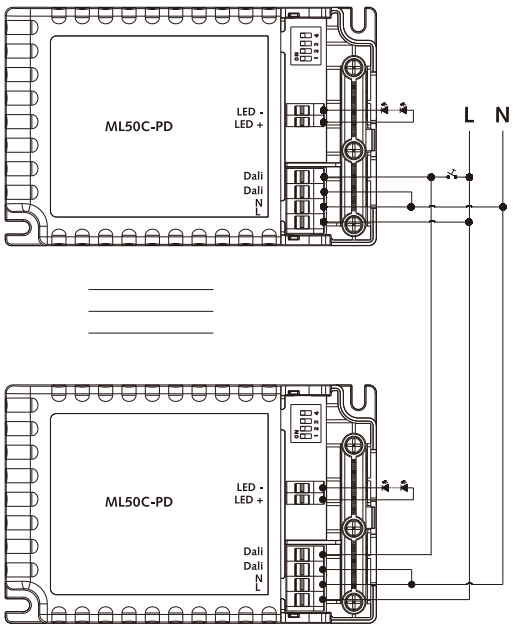
Do a long push (>15s), the system will now be synchronized.

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

⚠ **Warning: Please make sure the correct current is set before starting the driver!**

C **WIRING DIAGRAM/KYTKENTÄKAAVIO**

Push-control wiring diagram/Push-control kytkentäkaavio



DALI wiring diagram/DALI kytkentäkaavio