merrytek®

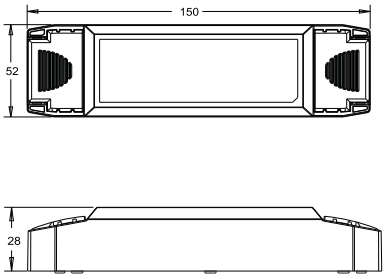
Dimmable LED Driver

ML25C-PV
1-10V /Push Dimmable LED Driver

- Flicker-free for full dimming range.
- Stand-by power below 0.5W.
- Primary 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.
- No limit to the number of power supplies synchronization function.

Intertek SELV CE PUSH 1...10V

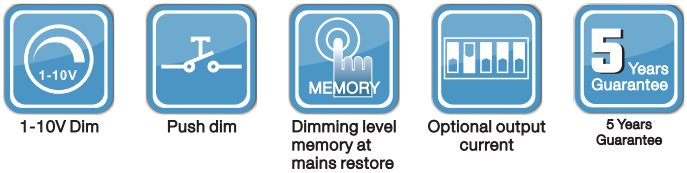
SPECIFICATIONS



unit:mm

Model	ML25C-PV, 1x25W
Rated voltage	220-240V AC, 50/60Hz
Rated current	0.15A (max)
Output voltage	68V DC (max)
Operating temperature	Ta: 50°C Tc: +85°C
Output current / voltage & load	250mA 6~58V DC 14.5W max; 350mA 6~58V DC 20W max; 500mA 6~50V DC 25W max; 700mA 6~36V DC 25W max
Abnormal protection	Output short-circuit protection with auto reset
Overheating protection	Overheating protection with auto-reset
EMC standard	EN55015,EN61547
Safety standard	EN61347-1, EN61347-2-13
Certifcation	Semko, CE, EMC
Dims	See fg. E
IP rating	IP20

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).

	1	2	3
700mA	ON	ON	ON
500mA	ON	ON	–
350mA	ON	–	–
250mA	–	–	–

Fig. A

PUSH, 1-10V DIMMING

*When connect Push button or 1-10V dimmer separately, 1-10V and PUSH dimming is always active.

*When connect Push button and 1-10V dimmer simultaneously, the dimming interface has lower dim voltage will be active.

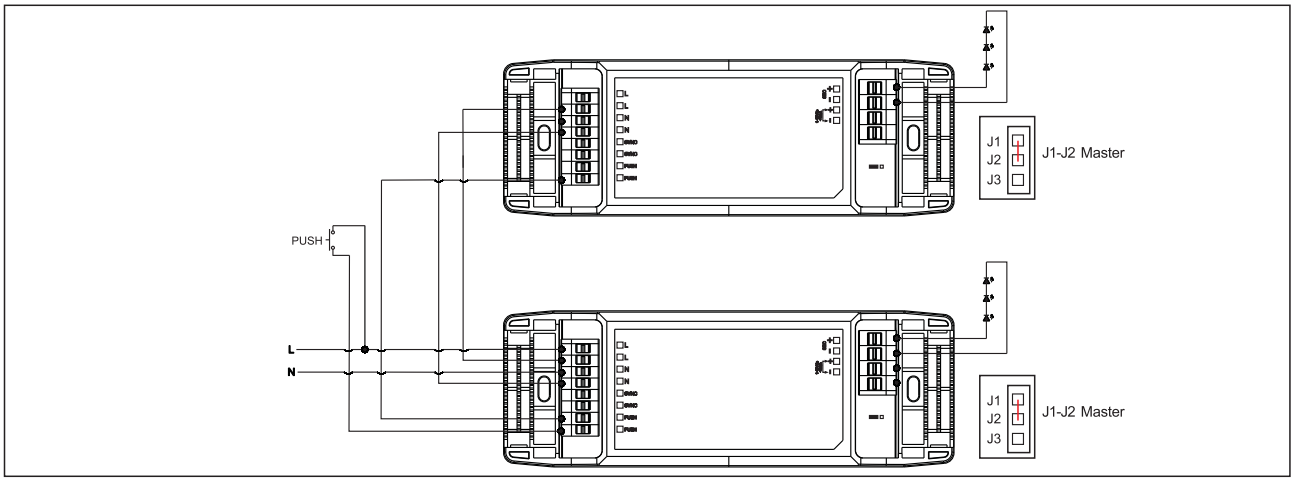
SYNCHRONIZATION

Support power supplies synchronization function.

WIRING SCHEME

Optional 1

If number of drivers is less than 15pcs, following drawing is recommended. Jumpers is in Master



Optional 2

If number of drivers is larger than 15pcs, following drawing is recommended.
Jumper of the driver connect with dimmer is in Master, other jumpers of drivers should be in slave.