POWER SOURCE

150 Watt DALI-2 Slimline LED Driver with PWM Output

LDVT-150 series

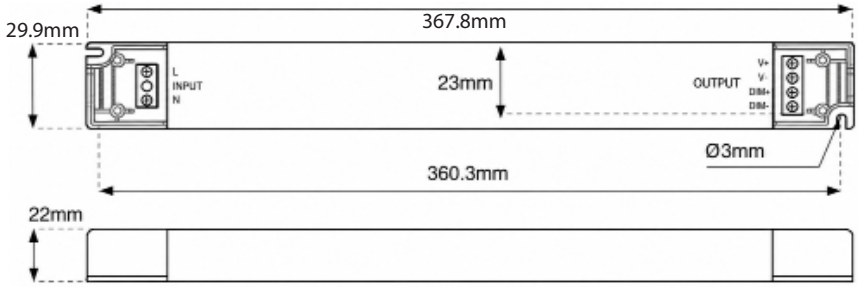


Features:

- Constant Voltage PWM Output
- Input: 110-277VAC with PFC
- Protections: Short circuit, over load, over temperature
- IP20 design for indoor installation
- Class II power supply
- Cooling by free air convection
- DALI-2 Protocol IEC 62386
- 5-year warranty

Model		LDVT-150-24
Output	DC voltage	24V
	Voltage tolerance	±0.2V (see Note 2.)
	Rated current	6.25A
	Rated power	150W
Input	Voltage range	110-277VAC with PFC Function
	Frequency range	47-63Hz
	Power factor	0.96 @ 230VAC
	Full load efficiency (Typ.)	93%
	AC current (Max.)	1.7A
	Leakage current	<0.50mA
	Inrush current	76.3A (twidth=83.3us) @230VAC
	MAX. No. of drivers on a 16A circuit breaker	4 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC
Protection	Short circuit	Hiccup mode, re-power on to recover after fault condition removed
	Over load (Note. 4)	≤120% Hiccup mode, recovers automatically after fault condition is removed or shut down o/p voltage, re-power on to recover after fault condition removed
	Over temperature (Note 6.)	50°C± 10°C shut down O/P voltage, automatically recovers after cooling
Environment	Working TEMP.	-30~+70°C (refer to de-rating curve)
	Working humidity	20-90%RH, non-condensing
	Storage TEMP. humidity	-40~+80°C,10-95%RH
	TEMP. coefficient	±0.03%/°C (0-50°C)
	Vibration	10-500Hz, 5G 10min./1 cycle, period for 60min, each along X, Y, Z axes
Safety & EMC	Safety Standards	EN61347-1 EN61347-2-13 UL8750
	Withstand voltage	I/P-O/P:3.75KVAC
	Isolation resistance	I/P-O/P:100M Ohms/500VDC/25°C/70%RH
	EMC emissions (Note 3.)	Compliance to EN55015, EN61000-3-2
	EMC immunity	EN61000-4-2,3,4,5,6 ,11, EN61547, light industry
Other	Net. weight	0.35kg
	Size	367.8*29.9*22.5mm (L*W*H)
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Tolerance: Includes set up tolerance, line regulation and load regulation. 3. The LED driver is considered as a component that is operated in conjunction with final equipment. EMC performance could be affected by the complete installation. Original equipment manufacturers may need to conduct additional EMC testing and certification on the final equipment. 4. Loading range from 10% to 100%. 5. Specifications are subject to change without prior notice. Contact ADM Systems to confirm any critical parameters. 6. Reading taken at tc point marked on product label.	

Mechanical Specifications



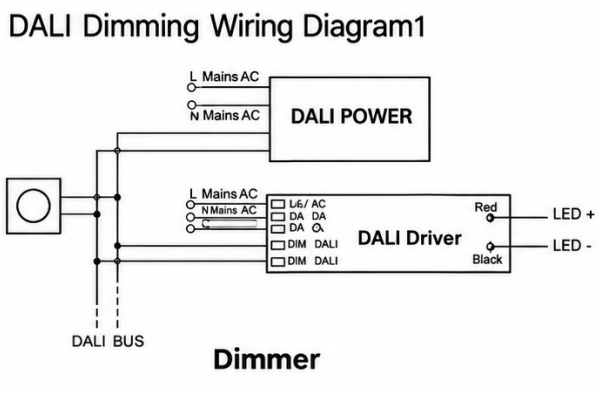
1) Suggested input wire size: 0.75mm² - 2.5mm².
2) Suggested output wire size: 0.5mm² - 2.5mm².
3) Dimming: DIM(+) to 0/1-10V dimmer signal (+), DIM(-) to 0/1-10V dimmer signal (-)
4) Suggested dimming wire size: 0.5mm² - 2.5mm².
5) Incorrect wiring could result in damage to the power supply, which is not covered by warranty.

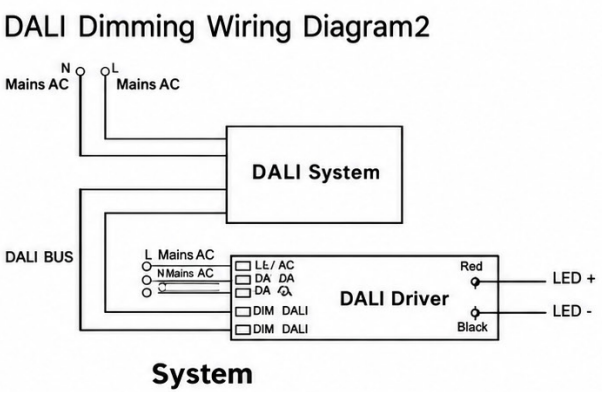
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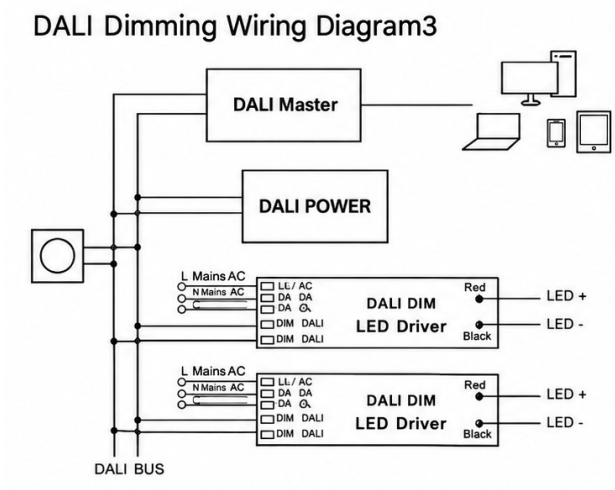
LDVT-150 series

Single Driver connection diagram

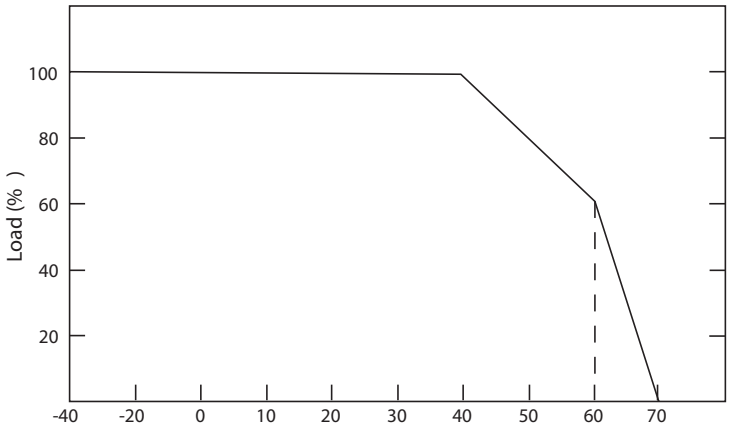




Multiple Driver connection diagram



De-rating Curve



To extend their life, please refer to the De-rating Curve and de-rate according to the temperature.

Instructions

1) If being used in higher ambient temperatures, ensure the load on the LED driver is de-rated in accordance with this chart. Failure to do so could lead to premature failure, which is not covered by warranty.
2) Refer to Power Source Installation Manual.
3) Do not cover.
4) This driver should be installed by a qualified and professional person.
5) Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
6) Ensure that wiring is correct before testing in order to avoid LED and power supply damage.

If you have any other question please feel free to contact ADM Systems Pty Ltd.