

POWER SOURCE



**5 YEAR
WARRANTY**

150W **DALI** **Dimmable** **LED Driver** with PWM Output

Features of the: DDV-150 Series



Constant
Voltage PWM
Output



IP66 Design
For Outdoor
Installation



AC Input Range:
200-240VAC



Cooling by
Free Air
Convection



Protections:
• Short Circuit
• Over Load
• Over Temperature



Factory
Fitted Flex
and Plug



Class I
Power Supply



DALI Protocol
IEC 62386



Australian
Approvals

CE     IP66 SELV

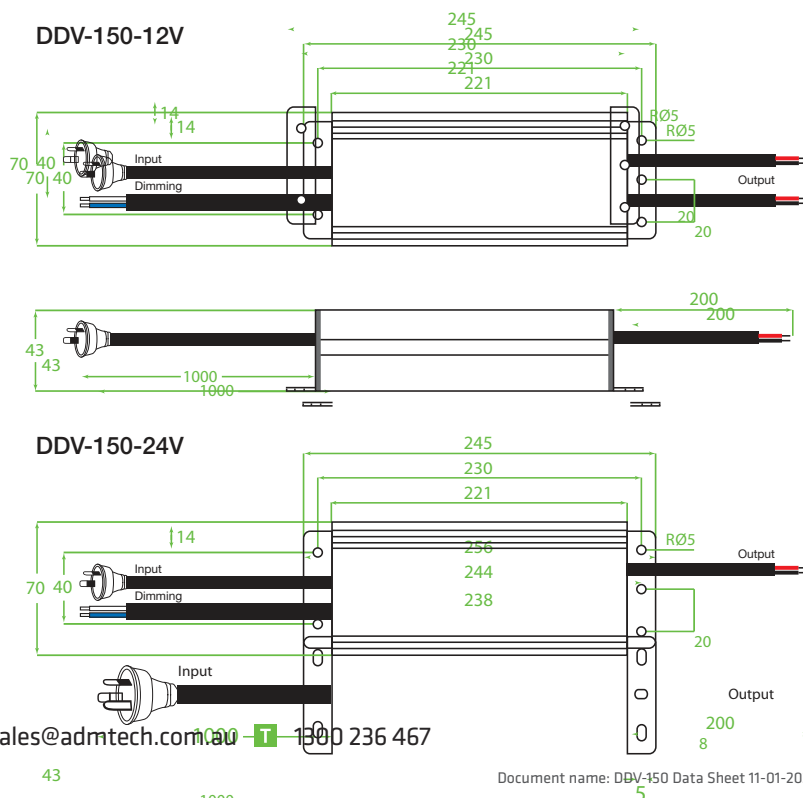
| Model | | DDV-150-12 | DDV-150-24 |
|------------------------|--|---|--|
| Output | DC voltage | 12V PWM Frequency 4kHz | 24V PWM Frequency 4kHz |
| | Voltage tolerance | ±0.5V (see Note 2.) | |
| | Rated current | 12.5A | 6.25A |
| | Rated power | 150W | |
| Input | Voltage range | 200-240VAC | |
| | Frequency range | 47~63HZ | |
| | Power factor | PF≥0.97/230VAC Full loading | |
| | Full load efficiency (Typ.) | 87.5% | 88.2% |
| | AC current (Max.) | 1.2A | 1.2A |
| | Leakage current | <0.50mA | |
| | Inrush current | 56A (Twidth 640us measured at 50% I peak, COLD START, 230VAC) | |
| | MAX. No. of drivers on 16A Circuit breaker | 4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC | |
| | Protection | Short circuit | Constant current mode, re-power on to recover after fault condition is removed |
| Over loading (Note 4.) | | 120% constant current limiting, auto-recovery after fault condition is removed | |
| Over temperature | | 100°C± 10°C | |
| Environment | Working TEMP. | -40~+60°C (refer to de-rating curve) | |
| | Working humidity | 20~95%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 EN62493 IP66 | |
| | Withstand voltage | I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC | |
| | Isolation resistance | I/P-O/P I/P-FG O/P-FG:100MΩ/500VDC/25°C/70%RH | |
| | EMC emissions (Note 3.) | EN55015, EN61000-3-2, EN61000-3 | |
| | EMC immunity | EN61000-4-2,3,4,5,6,11, EN61547 | |
| Others | Net. weight | 1.3kg | |
| | Size | 240*70*43mm (L*W*D) | |
| | Packing | 390*320*190mm outside carton 10PCS /CTN | |
| Notes | <ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Tolerance: Includes set up tolerance, line regulation and load regulation. 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. Loading range from 10% to 100%. Specifications are subject to change without prior notice. Contact your supplier to confirm any critical parameters. | | |

Input & Output Wiring

- **Input:** 1m AU Flex and Plug.
- **Output:** Rubber Cable 2*1.0mm², Red: (V+) Positive, Black: (V-) Negative.
- **Dimming:** Rubber Cable 2*0.75mm², Blue: DA, White DA (Non-Polarised).



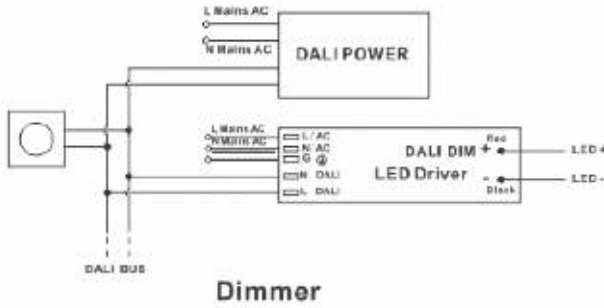
Mechanical Specification



Dimming Operation

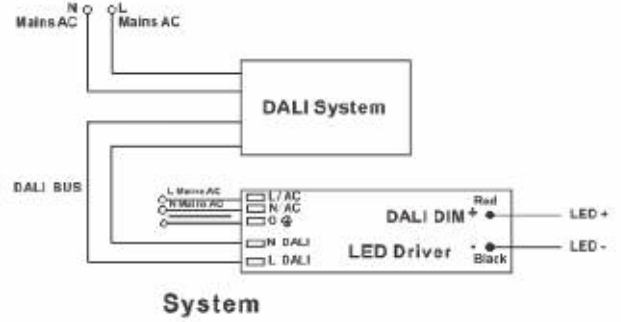
Single Driver Connection Diagram

DALI Dimming Wiring Diagram1



Dimmer

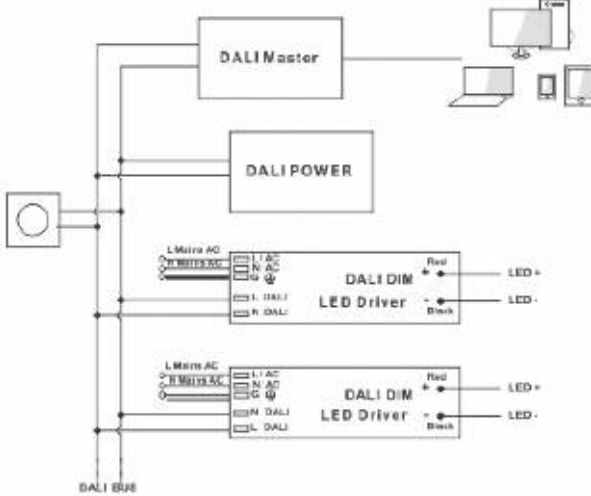
DALI Dimming Wiring Diagram2



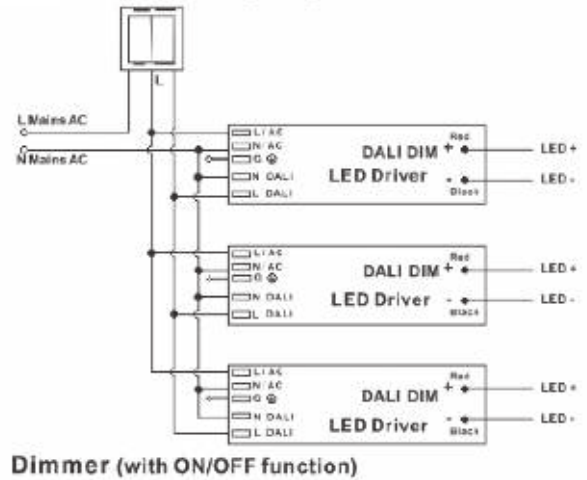
System

Multiple Drivers Connection Diagram

DALI Dimming Wiring Diagram3

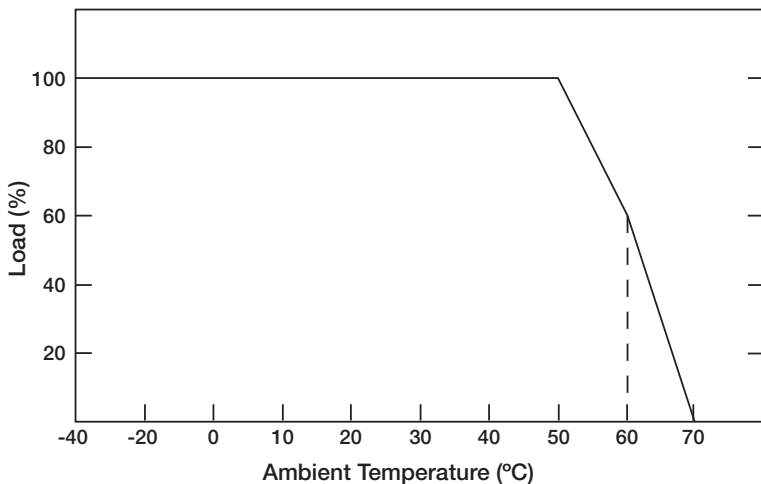


DALI Dimming Wiring Diagram1



Dimmer (with ON/OFF function)

De-Rating Curve



• 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 a premature failure, which is not covered by the warranty.



Important

- 1) Refer to Power Source Installation Manual.
- 2) Do Not Cover.
- 3) This LED driver should be installed by a qualified electrician.
- 4) Please make sure the LED driver is installed with adequate ventilation around it to allow for heat dissipation.
- 5) Ensure that all wiring is correct before testing in order to avoid damage to the LED driver, or the LEDs.