POWER SOURCE

DALI-2 Dimmable LED Driver with PWM Output

DDV-150 series

Features:

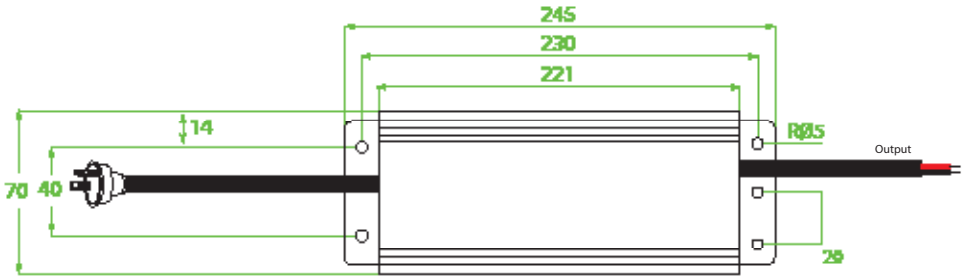
- AC Input Range: 200~240VAC
- Constant Voltage with PWM Output
- Protections: Short Circuit, Over Load, Over Temperature
- Class I Power Supply
- IP66 design for outdoor installatino
- Factory fitted flex and AU Plug
- DALI-2 Protocol

IP66 SELV

Model		DDV-150-24
Output	DC Voltage (V)	24V (PWM Frequency 4kHz)
	Voltage Tolerance	±0.5V (see Note 2.)
	Rated Current	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.)	88.2%
	AC current (Max.)	1.2A
	Leakage Current	<0.50mA
	Inrush Current (Typ.)	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	1.6kg
	Size	240*70*43mm (L*W*H)
	Size	390*320*190mm outside carton 10PCS /CTN
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 your supplier to confirm any critical parameters.	

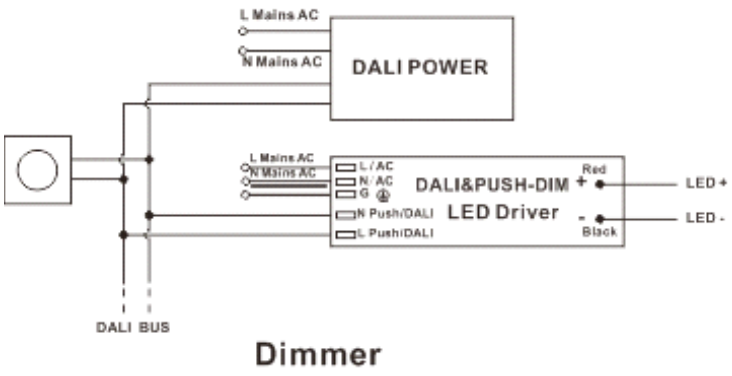
Mechanical Specifications

- Input: 1m AU Flex and Plug.
- Output: Rubber Cable 2*1.00mm^{2,} Red: (V+) Positive, Black: (V-) Negative.
- Dimming: Rubber Cable 2*0.75mm^{2,} Blue: DA, White DA (Non-Polarised)



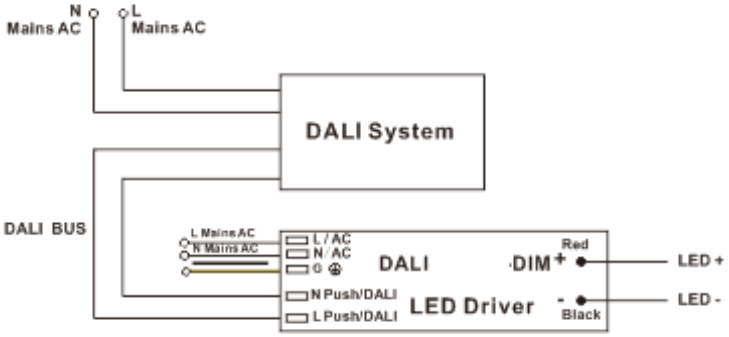
Single Driver Connection Diagram

DALI Dimming Wiring Diagram1



Dimmer

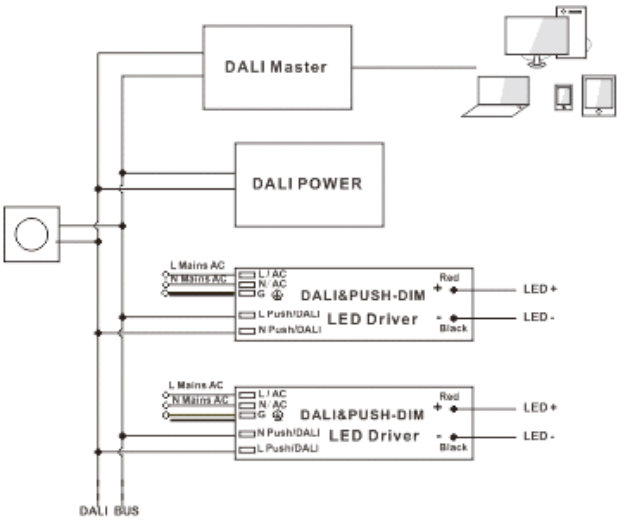
DALI Dimming Wiring Diagram2



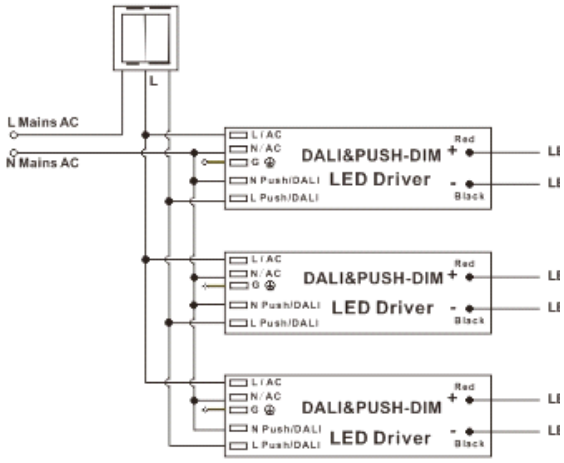
System

Multiple Drivers Connection Diagram

DALI Dimming Wiring Diagram3

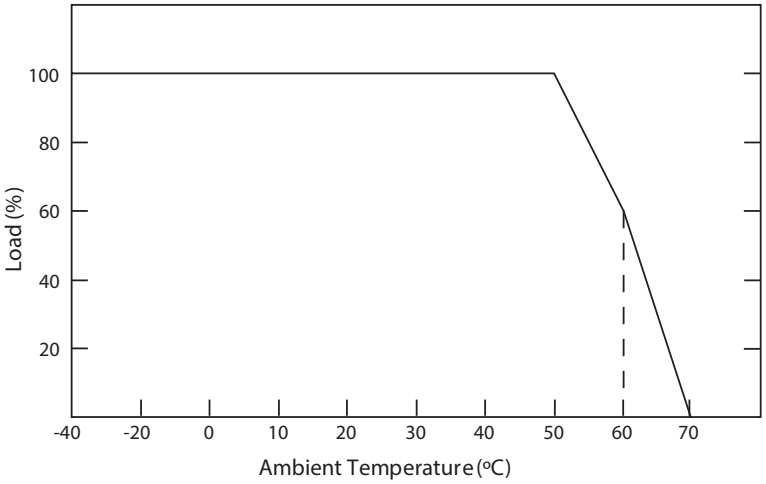


DALI Dimming Wiring Diagram1



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 failure, which is not covered

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.