



KMD-YY-2DALI-E4 Series

Product Overview

- KMD-YY-2DALI-E4 is a dimming driver that can provide Constant current output.
- Complies with DALI standard protocol IEC 62386,DALI Digital control input, PWM Output.
- Built-in MCU,customisable logarithmic or linear dimming
- With smooth dimming curve and are flicker free.
- Isolated power supply design
- Compatible with Dali touch control(KDD-DIM-L-06)

Product Feature

- Two channel constant current output
- Input voltage range from 100VAC to 240VAC
- Waterproof level IP 20,PF factor design > 0.9, and the efficiency is up to 83%
- Round design, perfectly cooperate with the use of shooting light and suction dome light
- Protections:Short circuit,over load,over current
- Comply with DALI protocol IEC 62386:101 102 209
- The dimming effect is smooth, no flicker, no jitter
- Suitable for LED CC lighting, such as LED spotlights, LED ceiling lights, LED wall washing lights, LED buried lights, etc

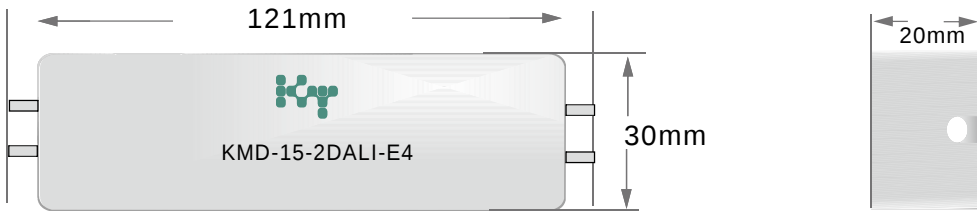
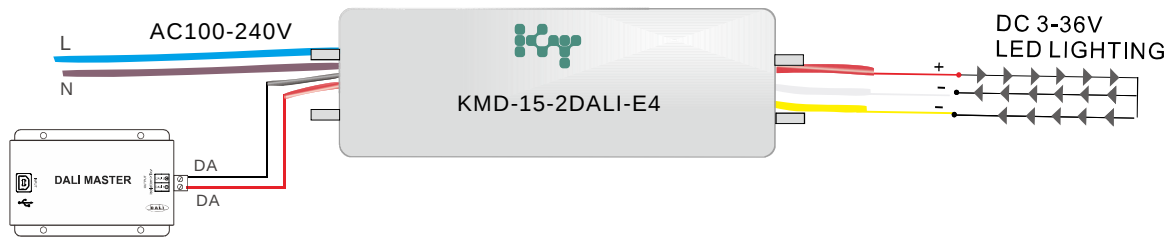


Technical Parameters

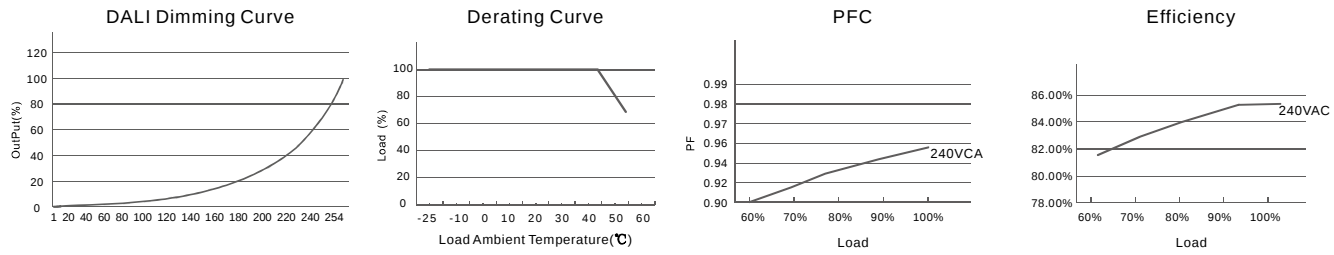
	Model	KMD-10-2DALI-E4	KMD-15-2DALI-E4	KMD-20-2DALI-E4	KMD-25-2DALI-E4
Input	Efficiency	83%@230VAC,Full load			
	Voltage	100VAC~240VAC			
	Frequency	50~60Hz			
	Power Factor	>0.9 @230VAC,Full load			
	THD	<20%230AVC,Full load			
	Standby power	0.5W			
	Current @220VAC	0.06A	0.08A	0.11A	0.14A
Output	Direct voltage	3VDC-36VDC			
	Rated current	250mA/2CH	350mA/2CH	500mA/2CH	650mA/2CH
	Rated Power	10W/2CH	15W/2CH	20W/2CH	25W/2CH
	Current Tolerance	±3%			
	Open circuit voltage	40VDC			
	Rippl and noise(max)	<800mVP-P			
	Channel	1Channel			
Protection	Short circuit protection	Connect wrong output positive negative pole, still can work normally			
	Overload protection	When a predetermined current or voltage is exceeded, it enters a protected state			
	Temperature protection	The chip itself has protection			
Safety&EMC	High-voltage insulation test	I/P-O/P:3.75KVAC			
	Insulation resistance	I/P-O/P:>100M Ohms/500VDC/25(0)/70% RH			
	Safety Standards	IEC/EN61347-1,IEC/EN61347-2-13			
	EMC Eission	EN IEC 55015,EN61000-3-2, IEC61000-3-3			
	EMC Immunity	EN 61547			
Function	Dimming range	0.1%-100%			
	Dimming depth	0.1%			
	DALI standard	IEC62386-101,IEC62386-102, IEC62386-209			
Others	Working Temp.	-25(0) i +45(0)			
	Storage Temp.; Humidity	-40(0) i 85(0), 20-90%RH			
	Temperature point-Tc	75(0)			
	Shell Material	PC			
	IP Rating	IP20+glue filling			
	Lifetime	50,000h @ta:25(0)			
	Warranty Condition	3 years			
	Switch Cycle	>15000times			
	Net weight	140g			
	Dimension	121x30x20mm			



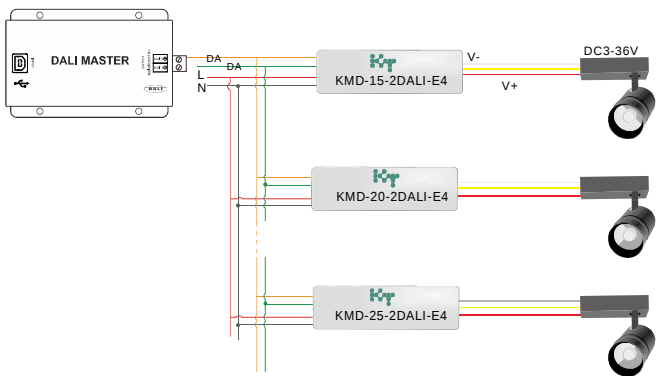
Wiring Diagram



DALI/PUSH Dimmable driver performance chart



DALI uses connection diagrams



Dali Dimmable Driver has synchronization function during the dimming process

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