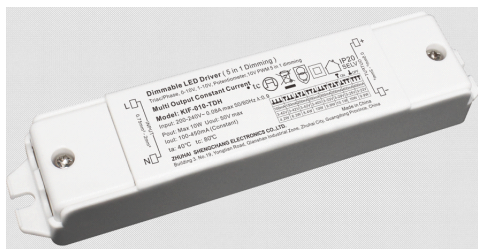


DALI2 & PUSH 2 in 1 dimmable LED Constant Current driver KI-DP2 series 20W

With DIP Adjustment Multi-current



■ Features:

- Output constant current for single color DT6
- Range AC input :100-277VAC
- Efficiency up to 83.3%
- Built-in active PFC function
- Protections: short circuit/over current/over temperature
- Full protection plastic housing easy installation
- IP20 design for indoor installation
- Cooling by free air convection
- Dimming curve: Logarithmic (default) and Linear
- Dimming function
- DALI Dimming: DALI protocol IEC62386
- PUSH dimming function
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications

T ON **L** OFF

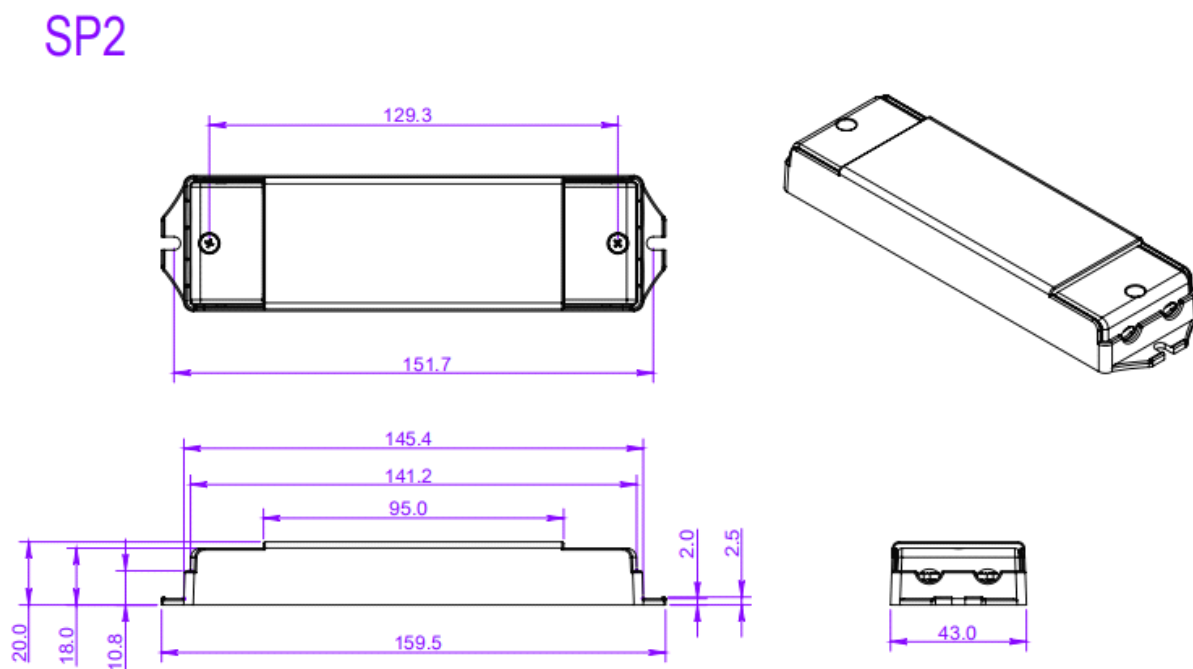
■ Specification

Model		KI-020-DP2							
Output	Rated current (mA)	700mA TTT	600mA LT	550mA TLT	500mA TT	450mA LT	400mA LT	350mA T	250mA L
	Current Tolerance	±5%							
	DC Voltage (V)	3-29V	3-33V	3-36V	3-40V	3-42V	3-42V	3-42V	3-42V
	No-Load power (W)	0.50W @120VAC 60Hz		0.48W @230VAC 50Hz		0.49W @277VAC 60Hz			
	Standby power (W)	0.30W @120VAC 60Hz		0.31W @230VAC 50Hz		0.32W @277VAC 60Hz			
	Rated power (W)	20.3W	19.8W	19.8W	20W	18.9W	16.8W	14.7W	10.5W
Input	Rated Input Voltage	100-277VAC							
	Rated Frequency	47-63HZ							
	Power Factor	PF≥0.95 @120VAC 60Hz; PF≥0.9 @230VAC 50Hz; PF≥0.88 @277VAC 60Hz							
	Efficiency (Typ.)	Full loading 83%@120VAC 60Hz; 83.3% @230VAC 50Hz; 82.2%@277VAC 60Hz							
	AC Current (Max.)	0.27A							
	Inrush Current (Typ.)	2.48A/31us@50%Ipeak (120VAC) 9.4A/21.6us@50%Ipeak (230VAC) 8.4A/26us@50%Ipeak (277VAC)							
	Leakage current	<0.50mA							
Protection	Short Circuit	Constant current mode, recovers automatically after fault condition is removed							
	No-Load Voltage	52V max. for output voltage							
	Over temperature	Ambient temp. over 50℃±5℃, output current will be reduced to 50%; Ambient temp. over 60℃±5℃, output will be off; recovers automatically after temp. drops.							
	Protection Class:	II							
Environment	Working TEMP.	-40-+60℃							
	Working Humidity	20-90%RH, non-condensing							
	Storage TEMP.	-40-+80℃							
	Storage Humidity	10-95%RH							
	TEMP. coefficient	±0.03%/℃ (0-50℃)							
Vibration		10-500Hz, 2G 10min./1 cycle,period for 60min.each along X,Y,Z axes							

DALI2 & PUSH 2 in 1 dimmable LED Constant Current driver **KI-DP2 series 20W** With DIP Adjustment Multi-current

Safety & EMC	Safety standards	EN61347-1; EN61347-2-13 & UL8750
	Withstand voltage	I/P-O/P:3.75KVAC (EU); I/P-O/P:500VAC (US);
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25℃/70%RH
	EMC Immunity	EN61000-4-2,3,4,5,6,11 EN61547
	EMC Emission	EN55015 EN61000-3-2 EN61000-3-3 & FCC Part 15B
Others	Weight	0.15Kg
	Size	159.5*43*20mm(L*W*H)
	packing	320*280*215mm (50PCS/CTN) for outer carton
Notes	1. All parameters NOT specially mentioned are measured at 120VAC/ 230VAC input, rated load and 25℃of ambient temperature. 2. Tolerance: includes set up tolerance, line regulation and load regulation.	

■ Mechanical Specification



※Input with DG126 terminals 3P: Live Wire AC (L), Neutral Wire AC(N)

※Output LED SEC with DG126 terminals 2P: output Positive (LED+), output negative (LED-). Connected to LED Lamps.

※DALI or PUSH Dim. terminals with DG126 terminals 2P:

when DALI dimming, signal dimming DA1, DA2 (No polar) connected to the BUS of the DALI Master;

when PUSH dimming, (N) is connected to AC (N) while white (L) is connected to Push dim switch dimmer(L) ;

※Suggested wire diameter: Input 0.75-2mm²; Output:0.5-2mm².

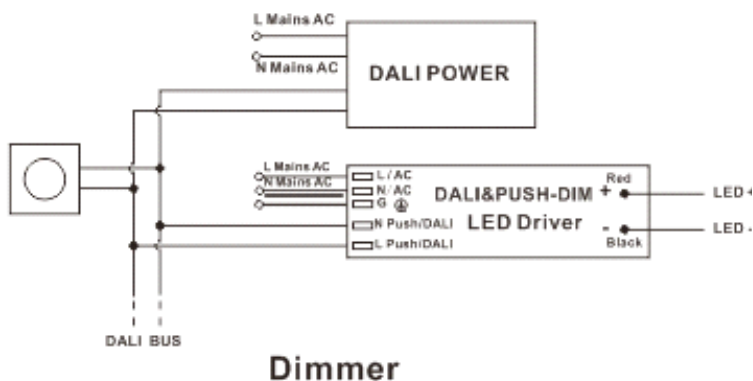
※Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.

※Note: Any other requests we can customized.

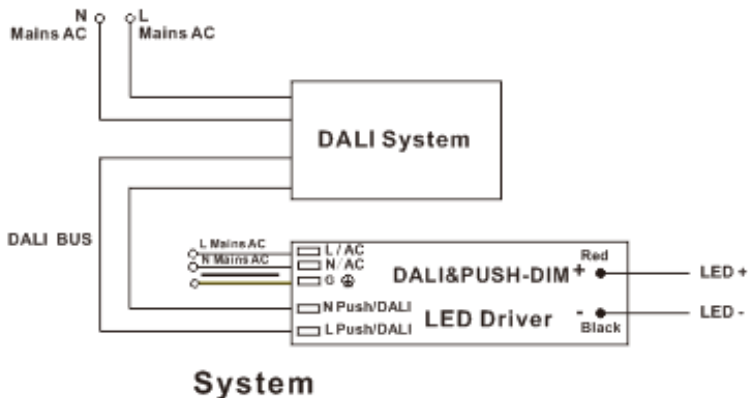
DALI2 & PUSH 2 in 1 dimmable LED Constant Current driver KI-DP2 series 20W
With DIP Adjustment Multi-current

■ **Dimming Operation**

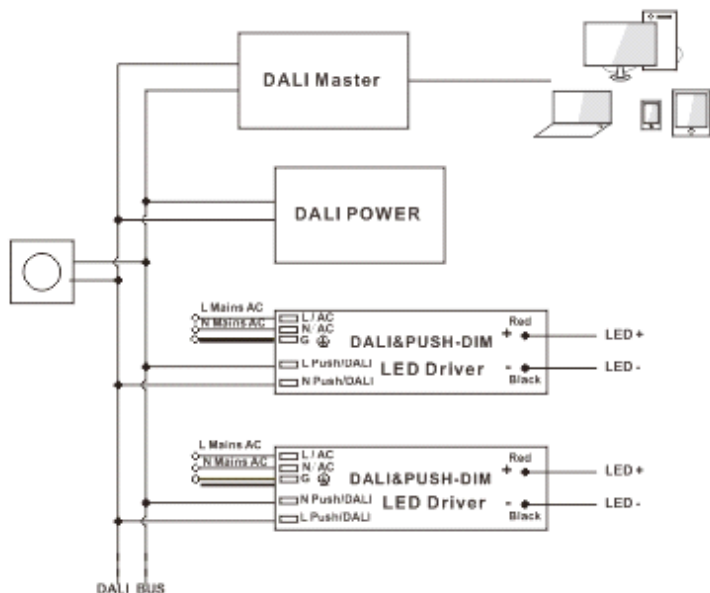
DALI Dimming Wiring Diagram1



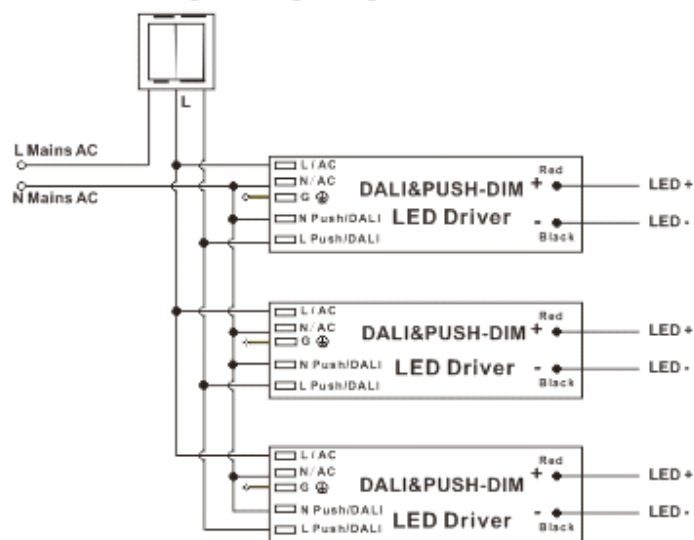
DALI Dimming Wiring Diagram2



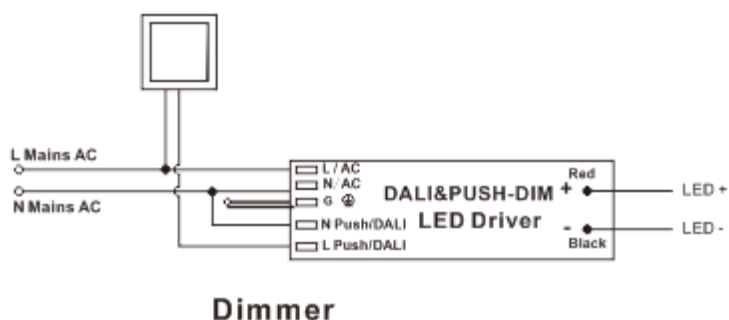
DALI Dimming Wiring Diagram3



Push-Dimming Wiring Diagram1



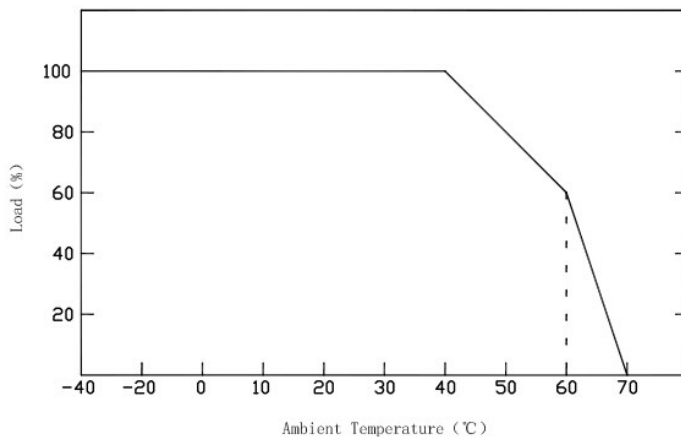
Push-Dimming Wiring Diagram2



※Note: For DALI Dimming Wiring Diagram 3, please noted that only one DALI power is need in the DALI bus, so no extra DALI Power.

DALI2 & PUSH 2 in 1 dimmable LED Constant Current driver KI-DP2 series 20W
With DIP Adjustment Multi-current

Derating Curve



※To extend their life, please refer to the Derating Curve and derate according to the temperature.

Instruction:

- 1) This driver should be installed by qualified and professional person;
- 2) Please make sure the transformer is installed with adequate ventilation around it to allow for heat dissipation.
- 3) Ensure that wiring is correct before test in order to avoid light and power supply damage;
- 4) If driver cannot work normally, don't maintain privately;
- 5) Have any question, please contact Shengchang Electronics (SC POWER).

Any other question please feel free to contact ZHUHAI SHENGCHANG ELETRONICS CO.,LTD