DMX-15-100-400-F1P1

LED Dimming Driver

- Dimming interface: DMX512/RDM, Push DIM.
- With the RDM remote device management protocol, .
- Supports DMX512 signal bi-directional communication.
- PWM digital dimming, no alter LED color rendering index. .
- Dimming range: 0~100%, LED start at 0.1% possible.
- Multiple current, wide voltage, compatible with a variety of LED lights. .
- Power factor > 0.99, Efficiency > 83% •
- Short circuit / Over-heat / Over load protection. .
- Class 2 power supply. Full protective plastic housing. •
- . Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.







SELV

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>0.99

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Main Characteristics

Dimming Interface:	DMX512	/RDM, Pus	h DIM			Current Accuracy:						
Input Voltage Range:	100-240	Vac ±10%		No Load Output Voltage :								
Frequency:	50/60Hz	2		Dimming Range:								
Input Current:	115Vac≤	≤0.18A, 230)Vac≤0.10/	Δ.		Working Temperature.:						
Power Factor:	PF>0.99	/115Vac , P	F>0.95/230	Vac, at full	load	Working Humidity:						
THD:	≤12% a	t 115Vac, ≤	≤15% at 23	OVac (full	load)	Storage Temp., Humidity:						
Efficiency:	≥83%				Temp. Coefficient:							
Inrush Current(typ.):	Cold sta	rt 10A at 2	30Vac		Vibration:							
Leakage Current:	<0.5mA/	230Vac										
Output Voltage Range:	3-54Vdc											
Output Power Range:	0.3W~15	W										
Output Current :	100mA	120mA	150mA	250mA	300mA	350mA	400mA					
Output Voltage :	3-54V	3-54V	3-54V	3-54V	3-54V	3-50V	3-42V	3-36V				
Output Power :	0.3-5.4W	0.4-6.5W	0.5-8.1W	0.6-11W	0.8-13.5W	0.9-15W	1.1-14.7W	1.2-15W				

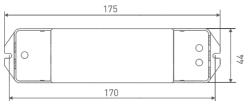
Protection

Over-heat Protection: Shut down the output when PCB temp.≥110°C, auto recovers when temp. back to normal. Over Load Protection: When O/P voltage exceed its range, O/P current declines, auto recovers when the load is reduced. Short Circuit Protection: Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.

Others

Dimension:	175×44×30mm(L×W×H)
Packing:	178×48×33mm(L×W×H)
Weight(G.W.):	160g±10g

Dimensions



Safety & EMC

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Over-heat

Protection

Withstand Voltage: Isolation Resistance: Safety Standards: EMC Emission: EMC Immunity:

I/P-0/P: 3750Vac I/P-0/P: 100MΩ/500VDC/25°C/70%RH IEC/EN61347-1, IEC/EN61347-2-13 EN55015, EN61000-3-2 Class C, IEC61000-3-3 EN61000-4-2,3,4,5,6,8,11, EN61547



DMX/RDM Push DIM

0.3-15W 100-400mA 3-54Vdc

LTSYS



CE

Over

Protection

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Short Circuit

Protection

±3% 58Vdc 0~100%, LED start at 0.1% possible. tc: 75°C ta: -30°C ~ 55°C 20 ~ 95%RH, non-condensing -40 ~ 80°C, 10~95%RH ±0.03%/°C(0-50°C) 10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes

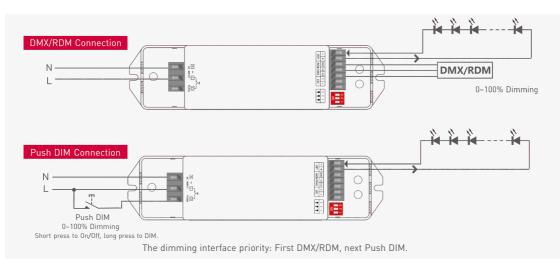
RoHS

Multiple

Current

Connections





Push Dimming



Reset Switch

- On/off control: Short press.
- Stepless dimming: Long press.
- With every other long press, the light level goes to the opposite direction.
- Dimming memory: Brightness will be the same as previously adjusted when turning off and on again.

RDM Mode: The dip switch 1-9 are OFF.



DMX Address Setting:

E.g.1: Set Initial Address To 32.





DMX address value=the total value of (1-9) To get the place value when in "on" position,

LED Current Selection

Quick options: DIP switch for 8 optional currents' quick selection(see the table below).

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	-	1	4		IS	ET	DN	1X/F	DM	LE	D	
	1	2	3]	1	2	D+	D-	GND	+	-	
1	1	2	3	-	2		2					ł

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100mA/ISET	120mA	150mA	200mA	250mA	300mA	350mA	400mA	ON	OFF
3-54V	3-54V	3-54V	3-54V	3-54V	3-50V	3-42V	3-36V	UN	UFF

* After current setting by DIP switch, power off and then power on to make the new current effective.

* E.g. LED 3.2V/pcs: 3-54V can power 1-16pcs LEDs in series, 3-36V can power 1-11pcs LEDs, the max quantity of LEDs in series will be subject to the actual voltage of LED.

Advanced options: Dial DIP switch down 🛓 🛓 , connect ISET port with resistors of different values to set up any current from 100mA to 400mA (specific resistor values refer to the table).



Connect to resistor

Connecting ISET with resistors can obtain the following typical currents.													
Current(mA)	100mA	125mA	150mA	175mA	200mA	225mA	250mA	275mA	300mA	325mA	350mA	375mA	400mA
Resistor(KΩ)	00	75.30 KΩ	36.70 KΩ	26.90 KΩ	16.56 KΩ	15.30 KΩ	9.10 KΩ	6.93 KΩ	5.94 KΩ	3.38 KΩ	2.95 KΩ	1.10 KΩ	ο κΩ