

LED Intelligent Dimming Driver (DIN Rail)

50W 2.1A 24V DC

- Dimming interface: Triac/ELV, Push DIM.
- Apply to leading edge and trailing edge TRIAC dimmers.
- PWM digital dimming, no alter LED color temperature.
- 60000:1 wide dimming, range: 0~100%, LED start at 0.1% possible.
- Efficiency > 87%.
- Short circuit / Over-temperature / Over load protection.
- Class 2 power supply. Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV



CE RoHS



Main Characteristics

Dimming Interface:	Triac/ELV, Push Dim	Max Output Power:	50W
Dimming Range:	0~100%, LED start at 0.1% possible.	Line Regulation:	±1%
Input Voltage Range:	200-240Vac ±10%	Load Regulation:	±2%
Input Current:	230Vac ≤ 0.45A	Overload Power Limitation:	0.95-1.20
Frequency:	50/60Hz	Working Temperature:	-30 ~ +55°C
Efficiency:	≥ 87%	Working Humidity:	20 ~ 95%RH, non-condensing
Inrush Current(typ.):	Cold start 40A at 230Vac	Storage Temp., Humidity:	-40 ~ +80°C, 10~95%RH
Leakage Current:	I/P-O/P: <0.5mA/230Vac I/P-GND: <0.75mA/230Vac	Temp. Coefficient:	±0.03%/°C(0-50°C)
Current Load :	Max. 2.1A	Vibration:	10-500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes
Operating Voltage:	24V DC ± 0.5V DC		

* The dimming range parameters adopted LUTRON® dimming system as testing standards. The parameters may differ by using Triac/ELV dimming systems of different brands. We can customize program for clients' high requirements.

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Protection

Short Circuit / Over Temperature / Over Load: Auto recovery

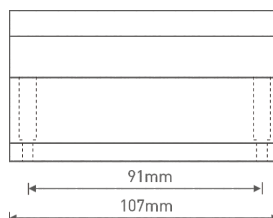
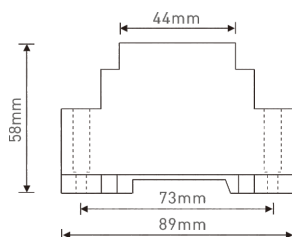
Others

Dimension:	107×89×58mm(L×W×H)
Packing:	109×99×63mm(L×W×H)
Weight[G.W.]:	260g±10g

Safety & EMC

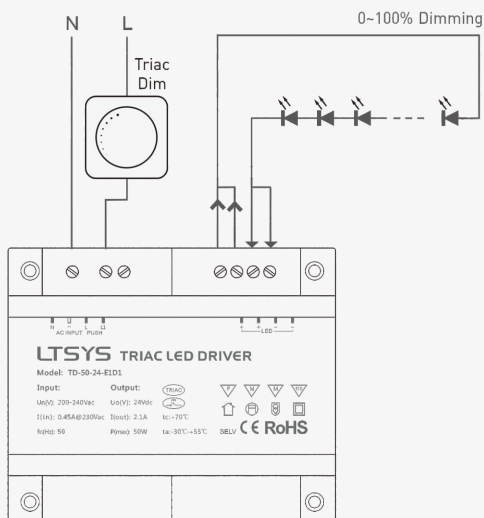
Withstand Voltage:	I/P-O/P: 3750Vac
Isolation Resistance:	I/P-O/P: 100M /500VDC/25°C/70%RH
Safety Specification:	IEC/EN61347-1, IEC/EN61347-2-13, EN61000-3-2 Class C, EN61000-4-2,3,4,5,6,8,11.

Dimensions

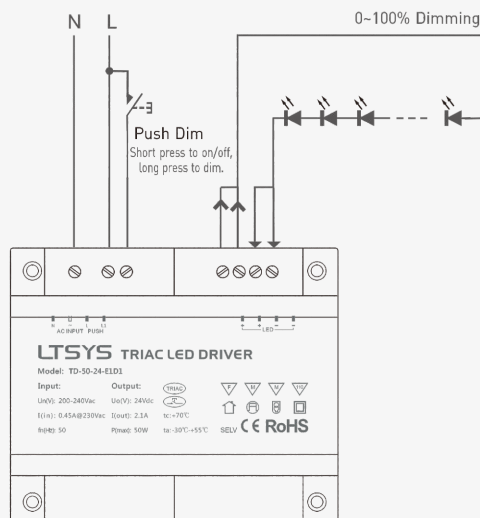


Din rail mounting size:
TS-35/7.5 or TS-35/15

Triac Connection



Push Dim Connection

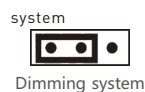


The dimming interface priority: First Triac/ELV, next Push Dim.

Selecting between ordinary dimmer and dimming system

Ordinary dimmer and dimming system have different dimming precision, precision of dimming system is higher. To meet customers' requirements on perfect dimming effects, we LITECH designed two programme options.

Method: Turn off the power and then remove the housing of the LED driver to find right component on the PCB. Shift system by selecting different contact pin (For installation professionals use only). Factory default as common (For ordinary dimmer).



Push Dimming



Reset Switch

- On/off control: Short press.
- Stepless dimming: Long press.
- For fine tuning of light level: 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.