TD-50-24-E1D1

LED Intelligent Driver (DIN Rail)





24Vdc

2.1A

50W

• Dimming interface: Triac/ELV, Push DIM. Apply to leading edge and trailing edge TRIAC dimmers. • ricci-Built-in high performance MCU, dimming curve can be customized. . PWM digital dimming, no alter LED color temperature. . 1111 Dimming range: Max. 0.1~100%. . Efficiency > 87% . Short circuit / Over-heat / Over load / Over voltage protection. . Dimmable: 0.1%-100% Class 2 power supply. Full protective plastic housing. . Compliant with Safety Extra Low Voltage standard . 0 (6 RoHS X 110 \F/ M/ M SELV Suitable for indoor environments Jul ้หไลด []≥87% 1, ν Push DIM Over Over voltage protection Digital Over-heat Protection hort Circuit Efficiency Protection Dimmino Protection **Main Characteristics** Dimming Interface: Triac/ELV, Push DIM Output Power: Max. 50W Input Voltage Range: Output Power Range: 1~50W 200-240Vac ±10% Overload Power Limitation: ≥102%~125% Frequency 50/60Hz 2KHz-4KHz Input Current: 230Vac≤0.45A PWM Frequency: > 87% Dimming Range: Max. 0.1~100%. Efficiency: Inrush Current(typ.): Cold start 40A at 230Vac Working Temperature.: tc: 70°C ta: -30°C ~ 55°C Control Surge Capability: L-N: 1kV Working Humidity: 20 ~ 95%RH, non-condensing Leakage Current: < 0.5mA/230Vac Storage Temp., Humidity: -40 ~ 80°C, 10~95%RH Output Current: ±0.03%/°C(0-50°C) Max. 2.1A Temp. Coefficient: Output Voltage: 2//Vdc Vibration 10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes Output Voltage Range: 24Vdc ±0.5Vdc

* 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.

Wit

lso

Saf

ΕM

FM

Attn: LUTRON® is registered trademarks of Lutron Electronics Co., Inc. registered in the U.S. and other countries.

Protection

Ripple & Noise:

 Over-heat Protection:
 Shut down the output when PCB temp. >110°C, auto recovers when temp. back to normal.

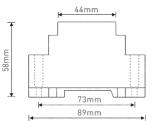
 Over Voltage Protection:
 Shut down the output when Non-load Voltage >26~32V, re-power on to recover after fault condition is removed.

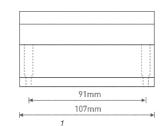
 Over Load Protection:
 Power Load≥102%-125%, start hiccup mode, auto recovers when the load is reduced.

 Short Circuit Protection:
 Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.

≤200mV

Dimensions



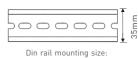


Safety & EMC

thstand Voltage:	I/P-0/P: 3750Vac
lation Resistance:	I/P-0/P: 100M Ω /500VDC/25°C/70%RH
fety Standards:	IEC/EN61347-1, IEC/EN61347-2-13
1C Emission:	EN55015, EN61000-3-2 Class C, IEC61000-3-3
1C Immunity:	EN61000-4-2,3,4,5,6,8,11, EN61547

Others

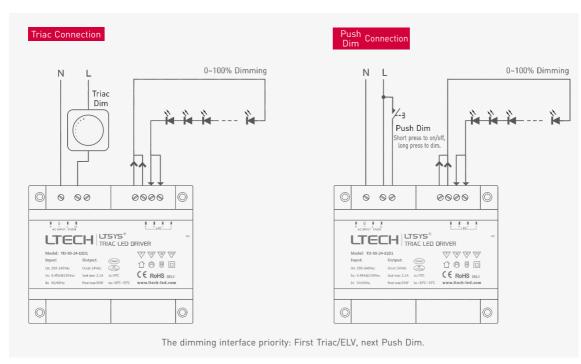
Dimension: Packing: Weight(G.W.): 107×89×58mm(L×W×H) 109×99×63mm(L×W×H) 260g±10g



TS-35/7.5 or TS-35/15

Connections





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 LTECH 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).





Dimming system

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.