LED Intelligent Driver

36W   3A   12Vdc

- Dimming interface: 1-10V (0-10V/10VPWM/resistor), Push Dim.
- PWM digital dimming, no alter LED color rendering index.
- Dimming range from 0-100%, LED start at 0.1% possible.
- Efficiency > 85%
- 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

1-10V PUSH DIM | PWM Digital Dimming | >85% Efficiency | Over-heat Protection | Short Circuit Protection | Over Load Protection

Main Characteristics

Dimming Interface:	1-10V (0-10V/10VPWM/Resistor), Push Dim	Ripple & Noise:	≤200mV
Input Voltage Range:	100-240Vac ±10%	Output Power:	Max. 36W
Frequency:	50/60Hz	Output Power Range:	1~36W
Input Current:	115Vac≤0.8A, 230Vac≤0.4A	Overload Power Limitation:	≥102%~125%
Efficiency:	≥85%	Dimming Range:	0~100%, LED start at 0.1% possible.
Inrush Current(typ.):	Cold start 20A at 230Vac	Working Temperature.:	tc: 70°C ta: -30°C ~ 55°C
Leakage Current:	<0.5mA/230Vac	Working Humidity:	20 ~ 95%RH, non-condensing
Output Current:	Max. 3A	Storage Temp., Humidity:	-40 ~ 80°C, 10~95%RH
Output Voltage:	12Vdc	Temp. Coefficient:	±0.03%/°C(0-50°C)
Output Voltage Range:	12Vdc ±0.5Vdc	Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes

Protection

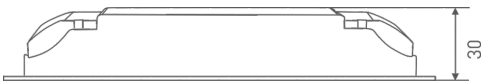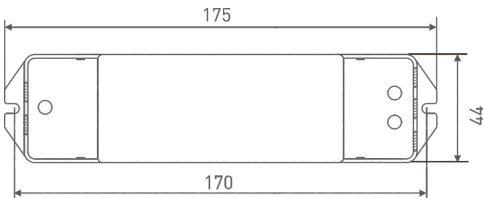|	
Over-heat Protection:	Shut down the output when PCB temp.≥110°C, auto recovers when temp. back to normal.
Over Load Protection:	Shut down the output when Current Load≥ 102%~125%, auto recovers after faulty condition is removed.
Short Circuit Protection:	Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.

Safety & EMC

Withstand Voltage:	I/P-O/P: 3750Vac
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
Safety Standards:	IEC/EN61347-1, IEC/EN61347-2-13
EMC Emission:	EN55015, EN61000-3-2 Class C, IEC61000-3-3
EMC Immunity:	EN61000-4-2,3,4,5,6,8,11 EN61547

Others

Dimension:	175×44×30mm(L×W×H)
Packing:	178×48×33mm(L×W×H)
Weight(G.W.):	190g±10g

Dimensions

175
170
44

30

Connections

1-10V Connection

N
L

1-10V

1-10V, 0-10V, 10V PWM, resistor
0~100% Dimming

Push Dim Connection

N
L

Push Dim
0~100% Dimming
Short press to on/off, long press to dim.
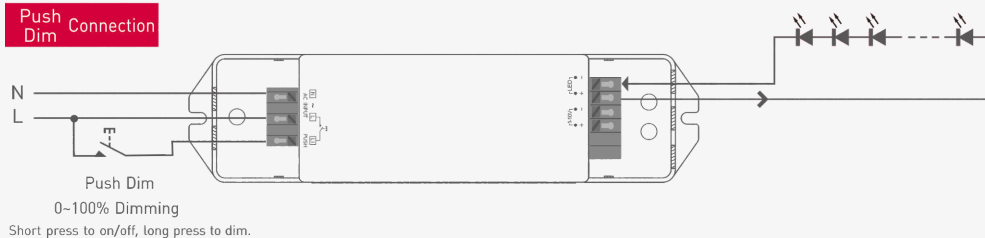
The dimming interface priority: First 1-10V, next Push Dim.

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.

www.ltech-led.com   Update Time: 2016.11.15