LED Intelligent Dimming Driver

36W   1.5A   24V DC

- Dimming interface: DALI, Push Dim.

- PWM digital dimming, standard DALI logarithmic dimming curve.

- Dimming, range: 0~100%, LED start at 0.1% possible.

- Efficiency > 86%

- Short circuit / Over-temperature / Over load protection.

- Class 2 power supply. Full protective plastic housing.

- DALI bus standard: IEC62386-101, 102, 207.

- Compliant with Safety Extra Low Voltage standard.

- Suitable for indoor environments.

SELV CE RoHS

DALI PUSH DIM | PWM Digital Dimming | >86% Efficiency | Over-heat Protection | Short Circuit Protection | Over Load Protection

Main Characteristics

Dimming Interface:	DALI (IEC62386), Push Dim
Input Voltage Range:	100-240Vac ±10%
Frequency:	50/60Hz
Input Current:	115Vac≤0.8A, 230Vac≤0.4A
Efficiency:	>86%
Inrush Current(typ.):	Cold start 20A at 230Vac
Leakage Current:	<0.5mA/230Vac
Output Current:	Max. 1.5A
Output Voltage:	24Vdc
Output Voltage Range:	24Vdc ±0.5Vdc

Ripple & Noise:	≤200mV
Output Power:	Max. 36W
Output Power Range:	1~36W
Overload Power Limitation:	≥102%~125%
Dimming Range:	0~100%, LED start at 0.1% possible.
Working Temperature.:	tc: 70°C ta: -30°C ~ 55°C
Working Humidity:	20 ~ 95%RH, non-condensing
Storage Temp., Humidity:	-40 ~ 80°C, 10~95%RH
Temp. Coefficient:	±0.03%/°C(0-50°C)
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

www.ltech-led.com

LTSYS

DALI Connection

N
L

DALI

0~100% Dimming

Push Dim Connection

N
L

Push Dim

Short press to on/off, long press to dim.

0~100% Dimming

The dimming interface priority: First DALI, next Push Dim.
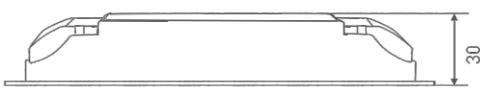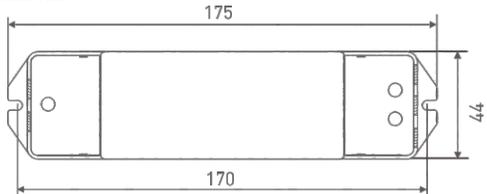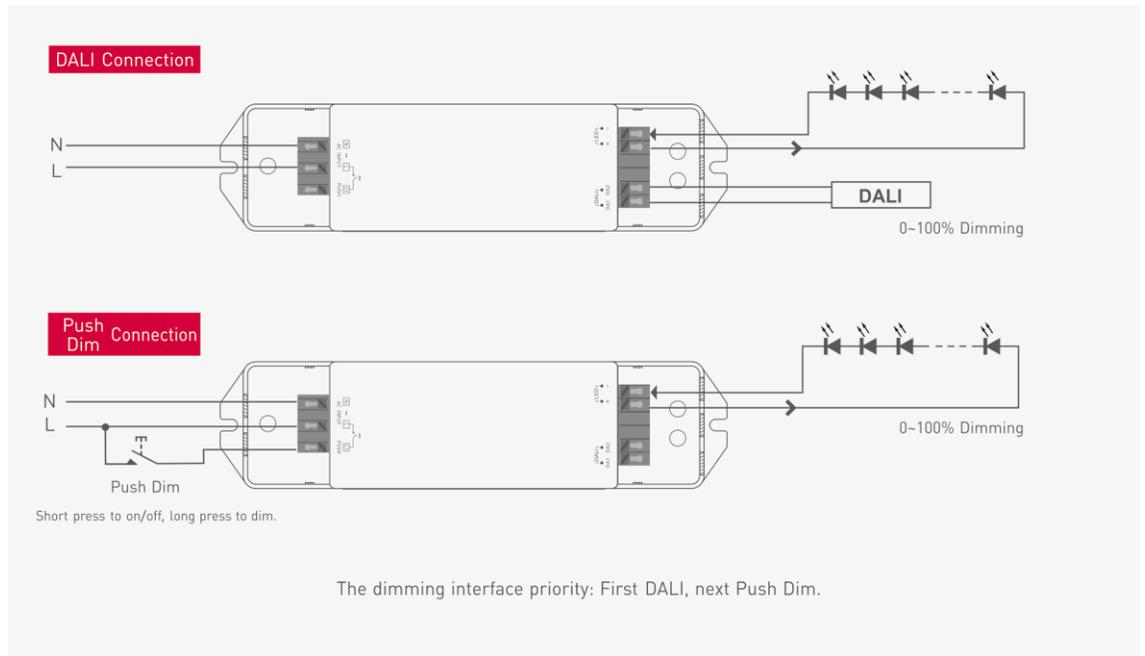
Push Dimming

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.

Update Time: 2016.10.19