

LED Dimming Driver

0~36W 1.5A 24Vdc

- 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.
- 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



Main Characteristics

Dimming Interface:	DMX512/RDM, Push Dim
Input Voltage Range:	100-240Vac $\pm 10\%$
Frequency:	50/60Hz
Input Current:	115Vac $\leq 0.75A$, 230Vac $\leq 0.4A$
Efficiency:	$\geq 85\%$
Inrush Current(typ.):	Cold start 60A at 230Vac
Control Surge Capability:	L-N: 1kV
Leakage Current:	$< 0.5mA/230Vac$
Output Current:	Max. 1.5A
Output Voltage:	24Vdc
Output Voltage Range:	24Vdc $\pm 0.5Vdc$

Ripple & Noise:	$\leq 200mV$
Output Power:	Max. 36W
Output Power Range:	1~36W
Overload Power Limitation:	$\geq 102\% \sim 125\%$
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:	$\pm 0.03\%/^{\circ}C(0-50^{\circ}C)$
Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes

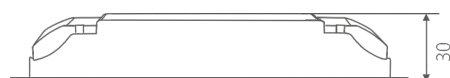
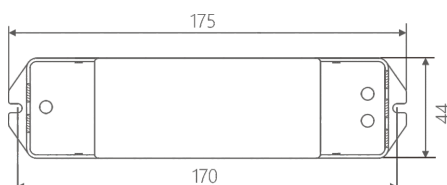
Protection

Over-heat Protection:	Shut down the output when PCB temp. $\geq 110^{\circ}C$, auto recovers when temp. back to normal.
Over Load Protection:	Shut down the output when Current Load $\geq 102\% \sim 125\%$, 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: 100M Ω /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

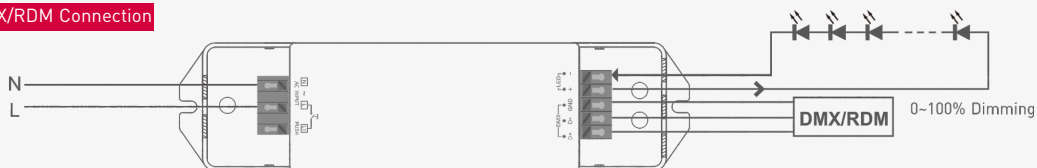
Dimensions



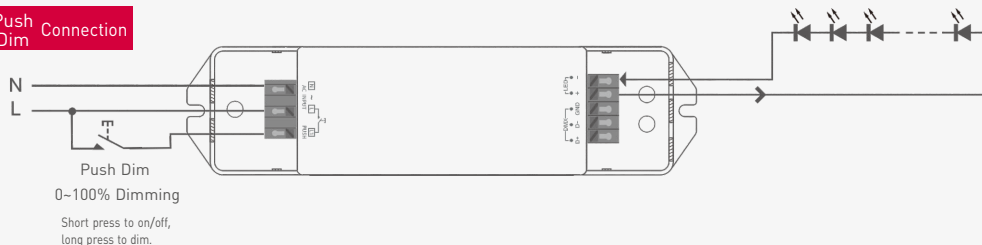
Others

Dimension:	175x44x30mm(LxWxH)
Packing:	178x48x33mm(LxWxH)
Weight[G.W.]:	190g \pm 10g

DMX/RDM Connection



Push Dim Connection



The dimming interface priority: First DMX/RDM, 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.

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



DMX Address Setting:

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



E.g.2: Set Initial Address To 37.



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