DMX-75-12-F1M1

LTSYS

DMX/RDM
Push DIM

LED Intelligent Dimming Driver

75W 6.25A 12V DC

- 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.
- 60000:1 wide dimming, range: 0~100%, LED start at 0.1% possible.
- Power factor > 0.99, Efficiency > 85%·
- Short circuit / Over-temperature / Over load protection.
- Metal housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV RoHS

DMX/RDM PUSH DIM | PWM Digital Dimming | PF >0.99 | >85% Efficiency | Over-heat Protection | Short Circuit Protection | Over Load Protection

Main Characteristics

Dimming Interface:	DMX512/RDM, Push DIM
Dimming Range:	0~100%, LED start at 0.1% possible.
Input Voltage Range:	100-240Vac ±10%
Input Current:	115Vac≤0.85A, 230Vac≤0.45A
Power Factor:	PF>0.99/115Vac , PF>0.95/230Vac, at full load
Frequency:	50/60Hz
Efficiency:	≥85%
Inrush Current(typ.):	Cold start 60A at 230Vac (twidth=525μs measured at 50% Ipeak)
Leakage Current:	<0.5mA/230Vac
Current Load:	Max. 6.25A

Operating Voltage:	12V DC± 0.5V DC
Output Power:	Max. 75W
Overload Power Limitation	0.95-1.20
Working Temperature.:	-30 ~ +60°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

Short Circuit / Over Temperature / Over Load: Auto recovery

Others

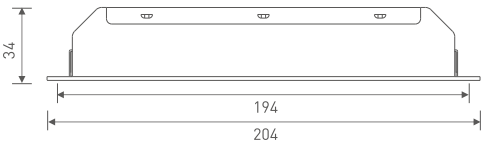
Dimension:	204×62×34mm(L×W×H)
Packing:	206×64×39mm(L×W×H)
Weight(G.W.):	510g±10g

Safety & EMC

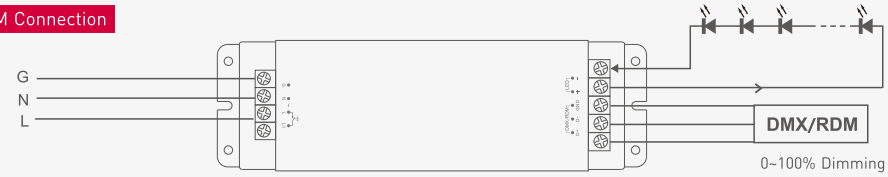
Withstand Voltage:	I/P-O/P: 3000Vac I/P-FG: 2000Vac O/P-FG: 500Vac
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
Safety Specification:	IEC/EN61347-1 , IEC/EN61347-2-13 , EN55015, EN61000-3-2 Class C , EN61000-3-3, EN55024, EN61547 EN61000-4-2,3,4,5,6,8,11.

Dimensions

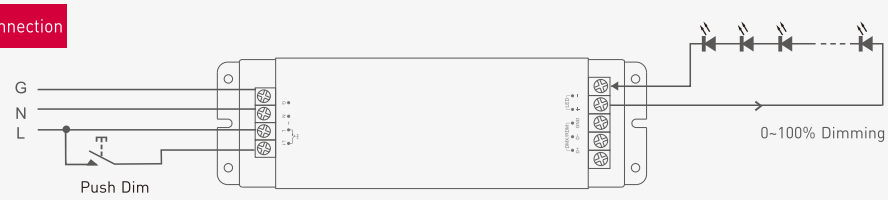




DMX/RDM Connection



Push Dim Connection



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

The dimming interface priority: First DMX/RDM, next Push Dim.

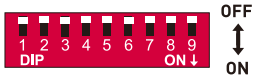
Push Dimming



Reset Switch

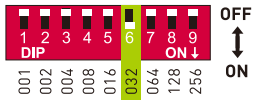
- On/off control: Short press.
- Stepless dimming: Long press.
- For fine tuning of light level: with every other long press, the light level goes to the opposite direction.
- Dimming memory: Brightness will be the same as previously adjusted when turning off and on again.

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

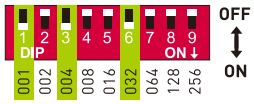


DMX Address Setting:

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



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



001+004+032=37

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

Attention:

- Before use, please make sure the LED driver output voltage matches with the LED lights. Incorrect voltage will damage the LED lights.
- Good heat dissipation can prolong the life of the LED driver. Please try to install the LED driver on the metal surface and use in well-ventilated environment.
- The wire size shall be big enough to load the power with solid connection to LED driver.
- If a malfunction occurs, do not repair by yourself. For any question, please contact the supplier directly.