DMX-36-12-F1D1

LTSYS

LED Intelligent Dimming Driver

36W   3A   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 > 84%·
- Short circuit / Over-temperature / Over load protection.
- Class 2 power supply. Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
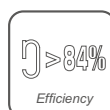- Suitable for indoor environments.

SELV   110   F   M   M   CE   RoHS

DMX/RDM PUSH DIM | PWM *Digital Dimming* | PF >0.99 | ⟲>84% *Efficiency* | *Over-heat Protection* | *Short Circuit Protection* | *Over Load Protection*

Main Characteristics

Dimming Interface:	DMX512/RDM, Push DIM	Output Power:	Max. 36W
Dimming Range:	0~100%, LED start at 0.1% possible.	Line Regulation:	±1%
Input Voltage Range:	100-240Vac ±10%	Load Regulation:	±2%
Input Current:	115Vac≤0.6A, 230Vac≤0.3A	Overload Power Limitation:	0.95-1.20
Power Factor:	PF>0.99/115Vac , PF>0.95/230Vac, at full load	Working Temperature:	-30 ~ +55°C
Frequency:	50/60Hz	Working Humidity:	20 ~ 95%RH, non-condensing
Efficiency:	≥84%	Storage Temp., Humidity:	-23 ~ +80°C, 10~95%RH
Inrush Current(typ.):	Cold start 10A at 230Vac (twidth=75μs measured at 50% Ipeak)	Temp. Coefficient:	±0.03%/°C(0-50°C)
Leakage Current:	<0.5mA/230Vac	Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes
Output Current:	Max. 3A		
Operating Voltage:	12V DC ± 0.5V DC		

Protection

Short Circuit / Over Temperature / Over Load: Auto recovery

Others

Dimension:	107×89×58mm(L×W×H)
Packing:	109×99×63mm(L×W×H)
Weight(G.W.):	280g±10g

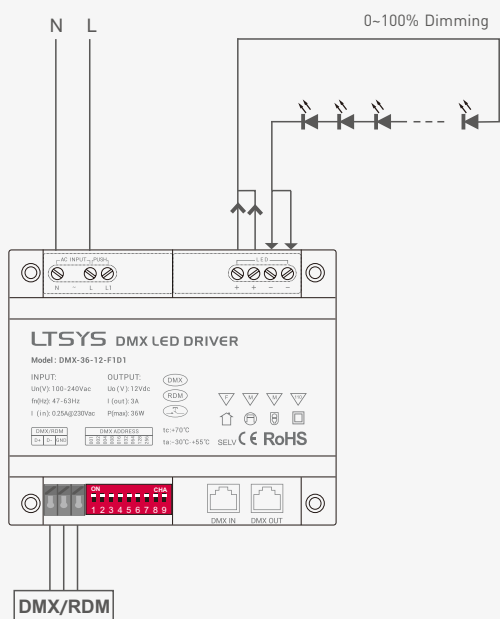## Safety & EMC

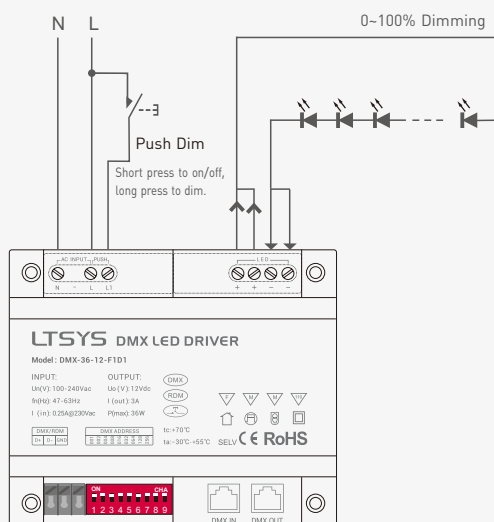|	
Withstand Voltage:	I/P-O/P: 3750Vac
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
Safety Specification:	IEC/EN61347-1 , IEC/EN61347-2-13 , EN55024

Dimensions

44mm
58mm
73mm
89mm

91mm
107mm

35mm
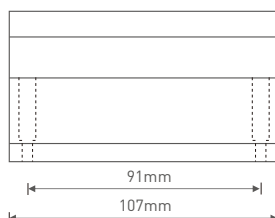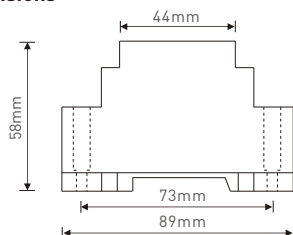
Din rail mounting size:
TS-35/7.5 or TS-35/15

LTSYS

DMX/RDM Connection

N L

0~100% Dimming

Push Dim Connection

N L

0~100% Dimming

Push Dim

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

AC INPUT PUSH
N L L1

LED
+ + − −

LTSYS DMX LED DRIVER

Model: DMX-36-12-F1D1

INPUT:
Un(V):100-240Vac
fn(Hz): 47-63Hz
I (in): 0.25A@230Vac

OUTPUT:
Uo (V): 12Vdc
I (out): 3A
P(max): 36W

DMX
RDM

DMX/RDM
D+ D− GND

DMX ADDRESS

tc:+70℃
ta:−30℃-+55℃

SELV C€ RoHS

ON CHA
1 2 3 4 5 6 7 8 9

DMX IN   DMX OUT

DMX/RDM

AC INPUT PUSH
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SELV C€ RoHS

ON CHA
1 2 3 4 5 6 7 8 9

DMX IN   DMX OUT

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

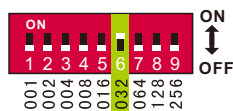## Push Dimming

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.

ON
1 2 3 4 5 6 7 8 9

ON
OFF

DMX Address Setting:

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

ON
1 2 3 4 5 6 7 8 9
001 002 004 008 016 032 064 128 256

ON
OFF

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

ON
1 2 3 4 5 6 7 8 9
001 002 004 008 016 032 064 128 256

ON
OFF

001+004+032=37

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

＊No further notice if any changes in the manual.
Product function depends on the goods.
Please feel free to contact our official distributor if any question.