

LED Intelligent Driver

- Dimming interface: DMX512/RDM, Push DIM.
- With the RDM remote device management protocol.
- PWM digital dimming, no alter LED color rendering index.
- 0~100% flicker-free, achieve the level of exemption assessment.
- Dimming range from 0~100%, LED start at 0.1% possible.
- Over-heat / Over voltage / Over load / Short circuit protection, recover automatically.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor I/II/III type lamps application.



Dimmable:
0.1%~100%



Flicker-free

High frequency exemption level.

SELV **RoHS**



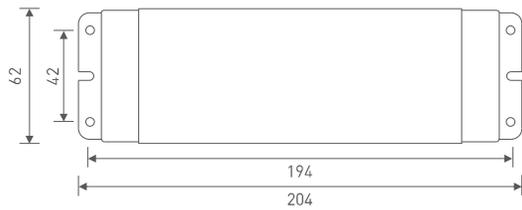
Specification

| Model | | DMX-75-12-F1M1 | DMX-75-24-F1M1 |
|-----------------------|---|---|---|
| OUTPUT | Output Voltage | 12Vdc | 24Vdc |
| | Output Voltage Range: | 12Vdc \pm 0.5Vdc | 24Vdc \pm 0.5Vdc |
| | Output Current | Max. 6.25A | Max. 3.12A |
| | Output Power | Max. 75W | |
| | Output Power Range | 0~75W | |
| | Strobe Level | High frequency exemption level. | |
| | Dimming Range: | 0~100%, dimming depth: Max. 0.1% | |
| | Overload Power Limitation | \geq 102% | |
| | Ripple & Noise | \leq 200mV | |
| PWM Dimming Frequency | \leq 3600Hz | | |
| INPUT | Dimming Interface | DMX/RDM, Push Dim | |
| | Input Voltage | 100~240Vac | |
| | Frequency | 50/60Hz | |
| | Input Current | 120Vac \leq 0.9A, 230Vac \leq 0.45A | |
| | Power Factor | PF>0.99/115Vac, PF>0.95/230Vac, at full load | |
| | THD | <6% at 115Vac, <12% at 230Vac, at full load | |
| | Efficiency(typ.) | 85% | 87% |
| | Inrush Current(typ.) | Cold start 60A at 230Vac | |
| | Anti Surge | L-N: 1kV L/N-G: 2kV | |
| Leakage Current | I/P-O/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac | | |
| ENVIRONMENT | Working Temperature | ta: -30°C ~ 60°C tc: 85°C | ta: -30°C ~ 60°C tc: 80°C |
| | Working Humidity | 20 ~ 95%RH, non-condensing | |
| | Storage Temp., Humidity | -40°C ~ 80°C, 10~95%RH | |
| | Temp. Coefficient | \pm 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 | Intelligently adjusting or turning off the output current if the PCB temperature \geq 110°C, auto recovers. | |
| | Over Load Protection | Power limit when rated power \geq 102%, auto recovers. | |
| | Short Circuit Protection | Shut down automatically if short circuit occurs, auto recovers. | |
| | Over Voltage Protection | Shut down the output when non-load voltage \geq 15V, re-power on to recover after fault condition is removed. | Shut down the output when non-load voltage \geq 27V, re-power on to recover after fault condition is removed. |
| SAFETY & EMC | Withstand Voltage | I/P-O/P: 3750Vac I/P-GND: 1800Vac | |
| | Isolation Resistance | I/P-O/P: 100M Ω /500VDC/25°C/70%RH | |
| | Safety Standards | IEC/EN61347-1, IEC/EN61347-2-13 | |
| | Strobe Test Standard | IEEE 1789 | |
| OTHERS | Dimension | 204×62×34mm[L×W×H] | |
| | Packing | 206×64×39mm[L×W×H] | |
| | Weight[G.W.] | 490g \pm 10g | |

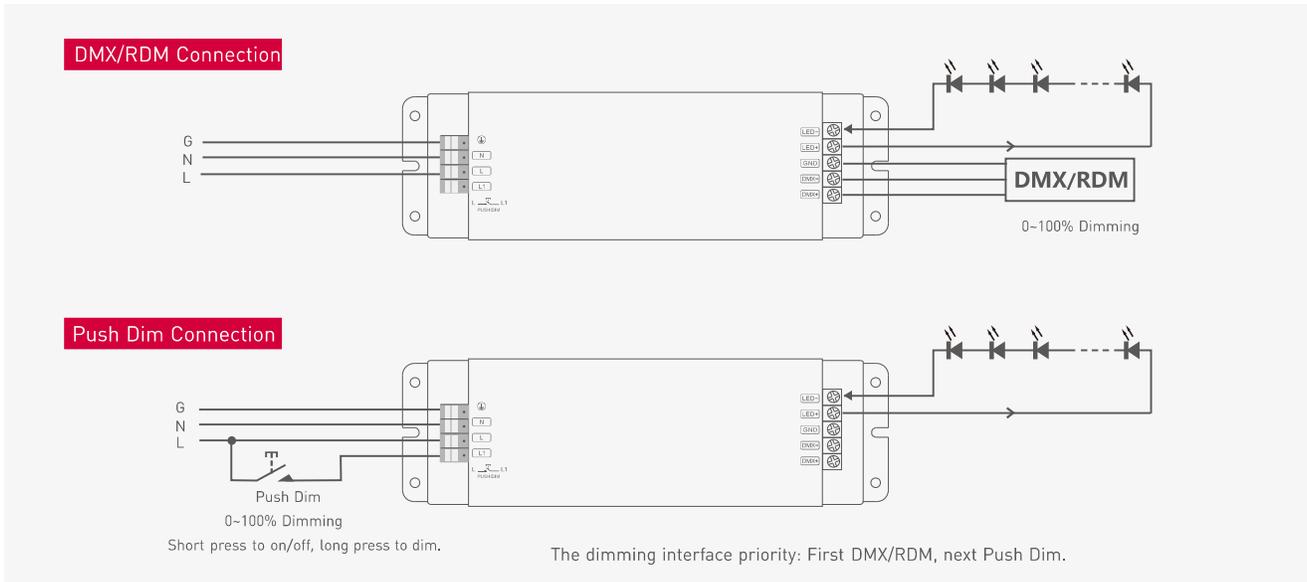
* The driver is suitable for connecting resistor current-limiting LED fixture (e.g. LED strip). The instantaneous surge current will be several times increased if connecting built-in constant current IC current-limiting LED fixtures, the driver will activate the overloaded protection (hiccup flickering). When you order, please remark controlling the constant current LED fixture (e.g. MR16 lamp, underground light, LED wall washer, constant current LED strip, etc.), then we can prepare the special programs.

Dimensions

Unit: mm



Wiring Diagram



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.



$$001+004+032=37$$

DMX address value = the total value of [1-9], to get the place value when "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.