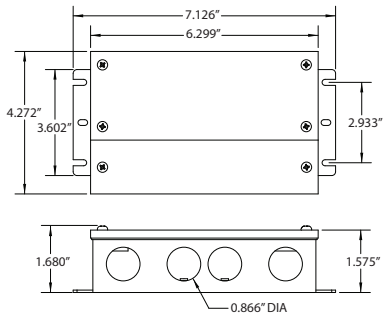
Project: _____ Type: _____

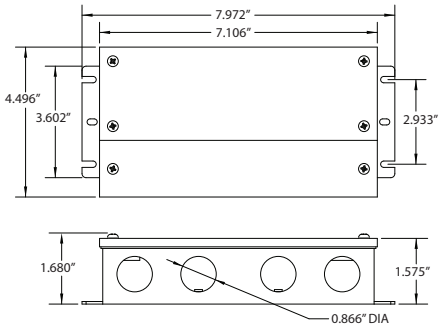
- DALI-2 & PUSH-2 in 1 dimming, PWM output frequency 4KHz stroboscopic exemption
- NFC fucntion: (1) Slightly adjust output voltage, (2) Address set-up
- Constant Voltage Output
- Universal 100-277VAC Input
- Built-in active PFC function
- Efficiency up to 83%
- Short circuit, Overload and over heat protection
- Cooling by free air convection
- Built-in Junction box driver for dry, damp and wet locations (US)
- Dimming down to 0.1%
- Suitable for LED lighting and moving sign applications
- 5 Year Warranty

## Dimensions

7.126"(L) x 4.272"(W) x 1.680"(H)
INF-DL2-J-30-1-12/24




7.972"(L) x 4.496"(W) x 1.680"(H)
INF-DL2-J-60-1-12/24





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## Order and Specification Guide

| | | | | |
|---|---|---|---|---|
| **Output** | | | | |
| Order Number | INF-DL2-J-30-1-12 | INF-DL2-J-30-1-24 | INF-DL2-J-60-1-12 | INF-DL2-J-60-1-24 |
| DC Voltage | 12V | 24V | 12V | 24V |
| NFC Voltage Adjustment | 12-13.5V | 24-26V | 12-13.5V | 24-26V |
| Rated Current | 2.5A | 1.25A | 5A | 2.5A |
| Rated Power | 30W | 30W | 60W | 60W |
| Load Regulation | 2% | 1% | 2% | 1% |
| Voltage Tolerance | ± 0.5V | | | |
| Voltage Regulation | ±0.5% | | | |
| **Input** | | | | |
| Input Voltage | 100-277VAC | | | |
| Frequency Range | 47-63Hz | | | |
| Power Factor (Typ.) @ full load | 0.98@120VAC 0.95@230VAC 0.90@277VAC | | | |
| THD (Typ.) @ full load | ≤10%@120VAC full load ≤10%@230VAC full load ≤15%@277VAC full load | | ≤15% | |
| Standby Power | N/A | | ≤0.5W | |
| Efficiency (Typ.) @ full load | 82% @120VAC/60Hz<br>84% @230VAC/50Hz<br>84% @277VAC/60Hz | 82% @120VAC/60Hz<br>84% @230VAC/50Hz<br>84% @277VAC/60Hz | 86% @120VAC<br>88% @230V/277VAC | 86% @120VAC<br>88% @230V/277VAC |
| AC Current (Max.) | 0.42A | | 0.8A | |
| Leakage Current | <0.5mA | | | |
| Inrush Current (Typ.) | 9.2A, 50%, 180us @120VAC<br>22.8A, 50%, 126us @230VAC<br>20.4A, 50%, 200us @277VAC | | 20A, 50%, 220us @120VAC<br>45A, 50% , 175us @230VAC<br>37A, 50% , 302us @277VAC | |
| **Physical** | | | | |
| Dimension | 7.126"(L) x 4.272"(W) x 1.680"(H) | | 7.972"(L) x 4.496"(W) x 1.680"(H) | |
| Net Weight | 2.31 lbs | | | |
| **Protection** | | | | |
| Short Circuit | Hiccup mode, recover automatically after fault condition is removed | | | |
| Over loading | ≥120% shutdown o/p voltage, re-power to reset the condition | | | |
| Over heating | 55˚C ± 10˚C shut down o/p voltage, automatically recover after cooling | | | |
| **Environment** | | | | |
| Working Temp. | -40˚ ~ +70˚C | | | |
| Working Humidity | 20-95% RH, non-condensing | | | |
| Storage Temp | -40˚ to +80˚C RH, non-condensing | | | |
| Temp. Coefficient | ±0.03%/˚C (0-50˚C) | | | |
| Vibration | 10-500Hz, 5G 10 min./1 cycle, period for 60 min., each along X, Y, Z axis | | | |
| **Safety Compliance & EMC** | | | | |
| Certification | EN61347-1 EN61347-2-13 (EU) & UL8750 CAN/CSA-C22.2 No.250.13 (US) | | | |
| Environment | Wet Location | | | |
| Withstand Voltage | I/P-O/P:1.80KVAC I/P-FG:1.80KVAC O/P-FG:1.80KVAC ( US) | | | |
| Isolation Resistance | I/P-O/P 100MΩ/500VDC/25 /70%RH | | | |
| EMC Emission | EN55015 EN61000-3-2,3 ≥50%load FCC Part 15 Subpart | | | |
| Warranty | 5 Years | | | |





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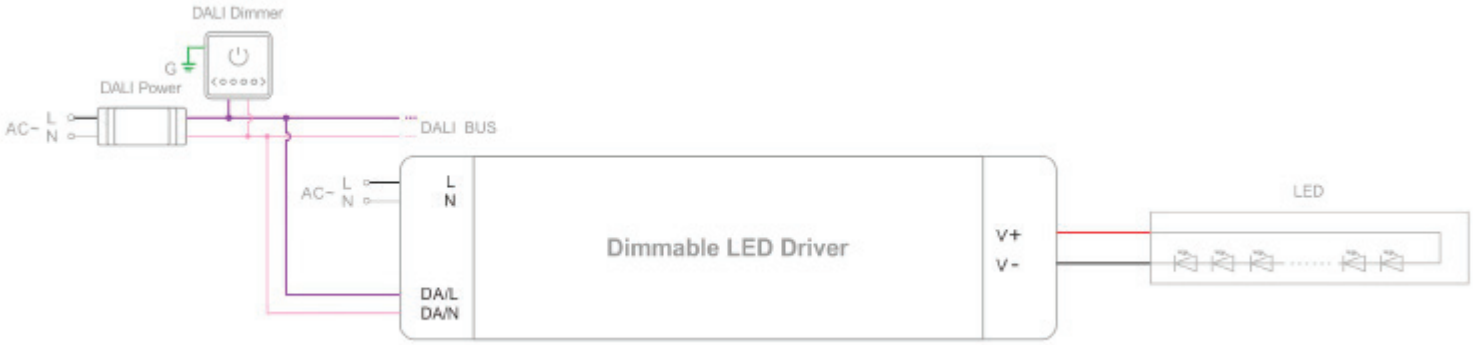
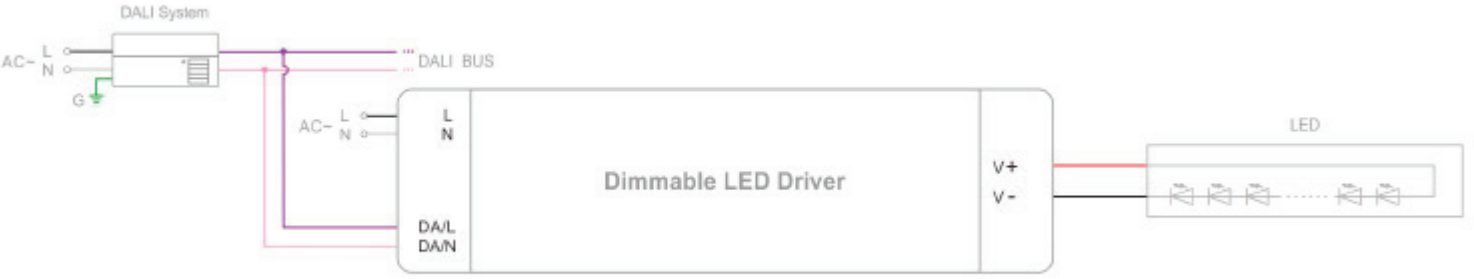
## Wiring Diagram - DALI 2

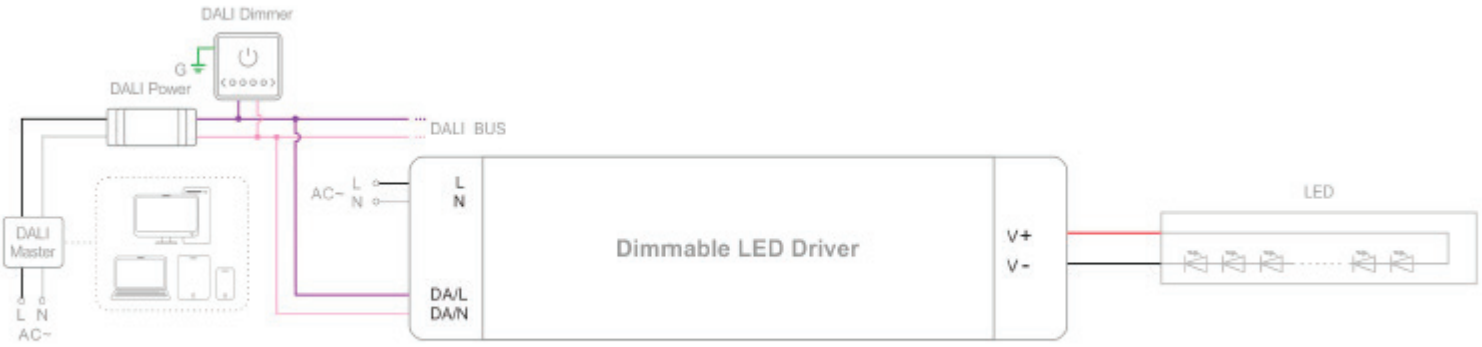
### Using DALI-2 dimming with DALI power and dimmer




### Using DALI-2 dimming with DALI system and DALI bus

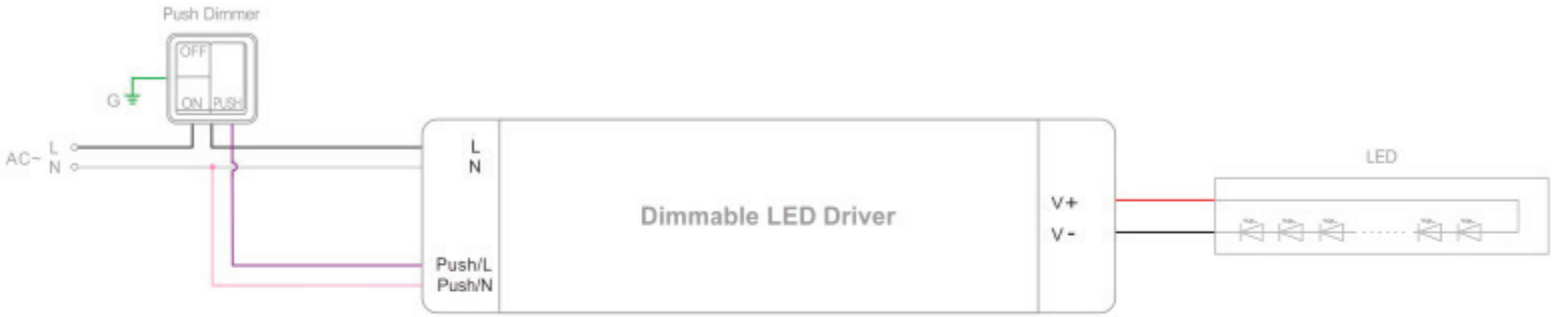


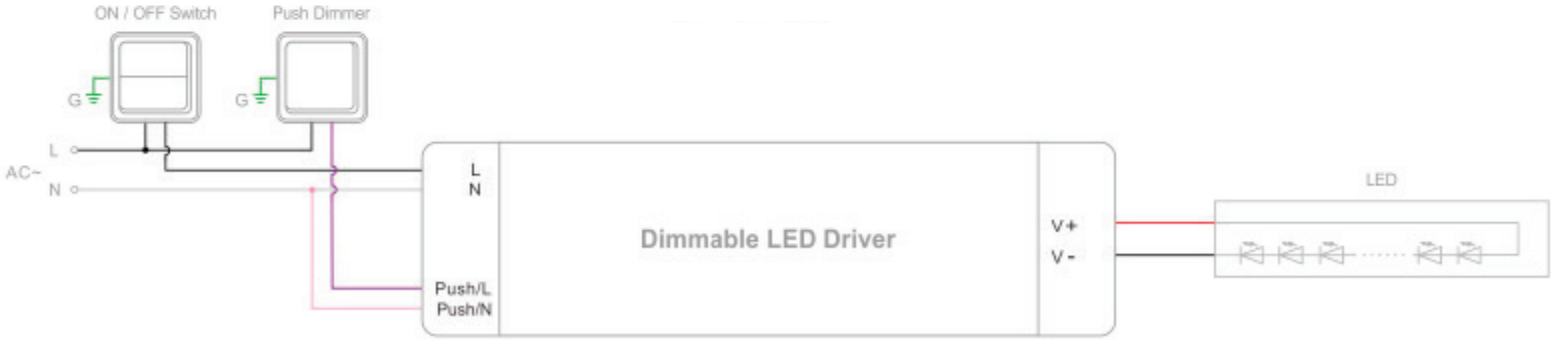

### Using DALI-2 dimming with intelligent device, DALI master



## Wiring Diagram - PUSH

**Using PUSH dimming with dimmer (on & off function)**



## NFC Function

**Adjust output voltage slightly by NFC:**

The output voltage can be read and written by a mobile with ProNFC APP or NFC handheld device (NFC read & write device: NFC-RW) by close to the NFC signal area of the Dimmable LED driver.

| NFC voltage regulation level | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | level 1 | level 2 | level 3 | level 4 | level 5 | level 6 | level 7 | level 8 | level 9 | level 10 |
| 12V | 12V | 12.16V | 12.32V | 12.48V | 12.64V | 12.80V | 12.96V | 13.12V | 13.28V | 13.5V |
| 24V | 24V | 24.22V | 24.44V | 24.66V | 24.88V | 25.10V | 25.32V | 25.54V | 25.66V | 26.0V |

**Set Address easily by NFC**

The address can be read and written by a mobile with Set NFC APP or NFC handheld device (NFC read & write device: NFC-RW) by close to the NFC signal area of the Dimmable LED driver.r.

1. This driver should be installed by qualified and professional person.
2. Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
3. Ensure that wiring is correct before test in order to avoid light and power supply damage.
4. If driver Cannot work normally, don't maintain privately.