

EZJBOX | SOLIDRIVE

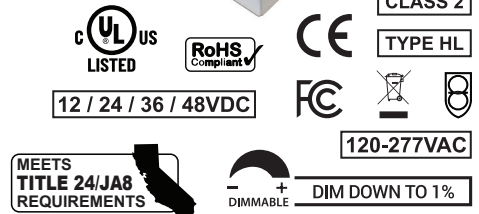
Constant Voltage Electronic

P/N: EZJ

0-10V, Phase-Cut or Non-Dimmable LED Driver | Multi-Channel

The EZJBOX (EZ Junction Box) Series features select Magnitude Class 2, electronic LED drivers integrated into a simple surface-mounted, multi-channel junction box, making it the perfect product for multi-output needs in tape lighting, tube lighting, linear lighting, and multiple other commercial lighting applications. The high-quality metal, UL Listed junction box includes multiple 7/8" knock-outs and comes pre-wired for quick and easy installation.

The EZJBOX | SOLIDRIVE uses Magnitude's SOLIDRIVE electronic Class 2, 0-10V or phase-cut dimmable LED drivers with 2-channel configuration. The drivers feature hiccup mode, over current and short circuit protection, as well as an efficiency over 84% resulting in low operating case temperature. The SOLIDRIVE Series is dimmable down to 1% with a 0-10V or phase-cut dimmer and is also available in a non-dimmable version.



Installation: Integrated junction box with multiple 7/8" knock-outs

Driver Type: Class 2 Multi-Channel

Dimming: 0-10V or phase-cut dimmable down to 1%; non-dimmable version available

Input Voltage: Universal 120VAC to 277VAC, 50/60 Hz

Output Voltage: 12VDC, 24VDC, 36VDC or 48VDC

Environmental: Dry

Listing: UL Listed

Certifications: UL8750 | CSA C22.2 No. 250.13-17

Warranty: 5-Year

EZJBOX-Series contains 2-3 drivers and can be horizontally or vertically mounted.

Ordering Guide

Example: EZJ-S-D-120-24DC

EZJ-S - - - DC

| TYPE | DRIVER SERIES | DIMMING | MAX POWER | OUTPUT |
|---------------|---------------|------------------------------|----------------------------|------------|
| EZJ — EZJ-BOX | S — SOLIDRIVE | D — 0-10V Dimming | 100 — 50W X 2 ¹ | 12 — 12VDC |
| | | N — Non-Dimming | 60 — 30W X 2 ² | 24 — 24VDC |
| | | P — Phase-Cut ² | 120 — 60W X 2 ² | 36 — 36VDC |
| | | | 192 — 96W X 2 ³ | 48 — 48VDC |
| | | ¹ 12VDC only | | |
| | | ² 24VDC only | | |
| | | ³ 24, 36 or 48VDC | | |

SOLIDRIVE is also available in:

- ♦ SOLIDRIVE with integrated junction box
- ♦ SOLIDRIVE without junction box
- ♦ JB-Series

Please refer to magnitudeinc.com for more information.

DIMENSIONS

| | |
|--------|------------------|
| LENGTH | 10.94" (277.9mm) |
| WIDTH | 11.85" (301.0mm) |
| HEIGHT | 2.30" (58.5mm) |

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Specifications

| INPUT | 50W (12.0 VDC) | 30W (24.0 VDC) | 60W (24.0 VDC) | 96W (24.0 VDC) | 96W (36.0 VDC) | 96W (48.0 VDC) |
|---------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Input Voltage Range | 120VAC/277VAC ± 10% | | | | | |
| Input Frequency | 50 / 60Hz | 50 / 60Hz | 50 / 60Hz | 50 / 60Hz | 50 / 60Hz | 50 / 60Hz |
| Input Current | 0.96A Max | 0.96A Max | 0.96A Max | 0.96A Max | 0.96A Max | 0.96A Max |
| Efficiency | >80% | >84% | >84% | >84% | >84% | >84% |
| Power Factor | 0.95 | 0.95 | 0.95 | 0.91 | 0.95 | 0.95 |

| OUTPUT PER CHANNEL | | | | | | |
|---------------------------|----------|----------|----------|----------|----------|----------|
| Max Load | 50W | 30W | 60W | 96W | 96W | 96W |
| Output Voltage @ Max Load | 12.0 VDC | 24.0 VDC | 24.0 VDC | 24.0 VDC | 36.0 VDC | 48.0 VDC |
| Output Current @ Max Load | 4.2A | 1.25A | 2.5A | 4.1A | 2.7A | 2.0A |

| ENVIRONMENTAL | | | | | | |
|------------------------|-------------------------------|--|--|--|--|--|
| Env. Protection Rating | -30°C - +50°C (-22°F - 122°F) | | | | | |

| DIMMING (Dimming Models Only) | | | | | | |
|-------------------------------|-------|--------------------|--------------------|--------------------|-------|-------|
| Min. Dimming Level | 1% | 1% | 1% | 1% | 1% | 1% |
| Type of Dimming Available | 0-10V | 0-10V or Phase-cut | 0-10V or Phase-cut | 0-10V or Phase-cut | 0-10V | 0-10V |

| PROTECTION | | | | | | |
|-----------------|--|--|--|--|--|--|
| Circuit Breaker | Hiccup Mode, Over Current, Short Circuit | | | | | |

| MECHANICAL ENCLOSURE | | | | | | |
|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Primary Leads | Terminal Block | Terminal Block | Terminal Block | Terminal Block | Terminal Block | Terminal Block |
| Secondary Leads | Terminal Block | Terminal Block | Terminal Block | Terminal Block | Terminal Block | Terminal Block |
| Length | 11" (279.4mm) | 11" (279.4mm) | 11" (279.4mm) | 11" (279.4mm) | 11" (279.4mm) | 11" (279.4mm) |
| Width | 12" (304.8mm) | 12" (304.8mm) | 12" (304.8mm) | 12" (304.8mm) | 12" (304.8mm) | 12" (304.8mm) |
| Height | 2.13" (54.1mm) | 2.13" (54.1mm) | 2.13" (54.1mm) | 2.13" (54.1mm) | 2.13" (54.1mm) | 2.13" (54.1mm) |
| Weight | 7.27 lbs. | 7.27 lbs. | 7.27 lbs. | 7.27 lbs. | 7.27 lbs. | 7.27 lbs. |
| Housing Material | Galvanized Steel | Galvanized Steel | Galvanized Steel | Galvanized Steel | Galvanized Steel | Galvanized Steel |
| Housing Color | White | White | White | White | White | White |
| Mounting | 4-Keyhole Mount | 4-Keyhole Mount | 4-Keyhole Mount | 4-Keyhole Mount | 4-Keyhole Mount | 4-Keyhole Mount |

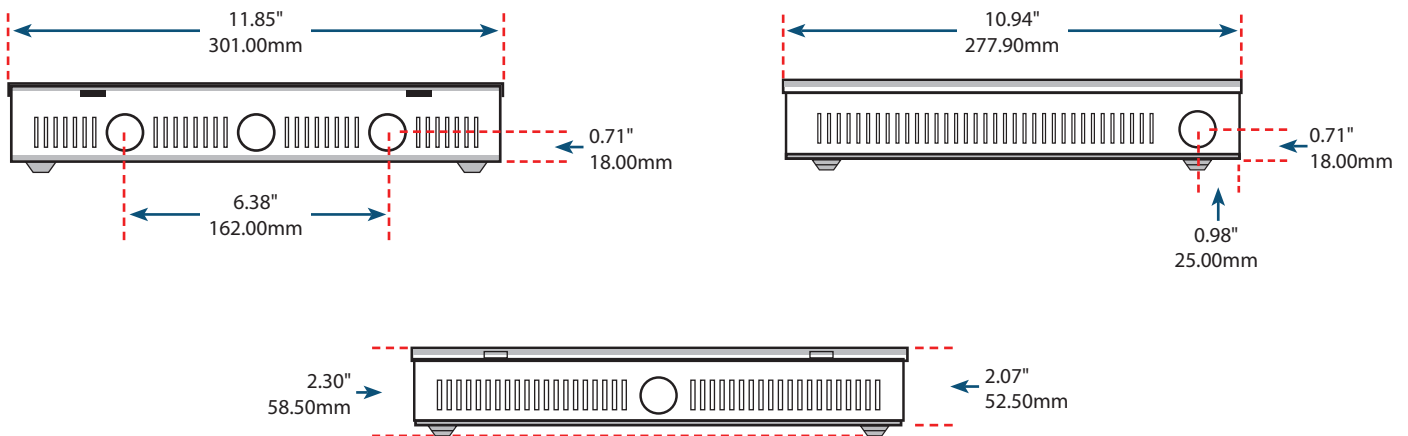
| APPROVAL MARKINGS | | | | | | |
|-------------------------------|--|----------------|----------------|----------------|----------------|----------------|
| Certificates / Approval Signs | | UL8750 Class 2 | UL8750 Class 2 | UL8750 Class 2 | UL8750 Class 2 | UL8750 Class 2 |

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Mechanical Diagrams Dimensions



Wiring Diagrams 0-10V & Phase-Cut Dimming

