

# 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. SOLIDRIVE Series is dimmable down to 1% with a 0-10V or phase cut 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 <sup>1</sup>	12 — 12VDC
		N — Non-Dimming	60 — 30W X 2 <sup>2</sup>	24 — 24VDC
		P — Phase-Cut <sup>2</sup>	120 — 60W X 2 <sup>2</sup>	36 — 36VDC
			192 — 96W X 2 <sup>3</sup>	48 — 48VDC
		<sup>1</sup> 12VDC only		
		<sup>2</sup> 24VDC only		
		<sup>3</sup> 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)					

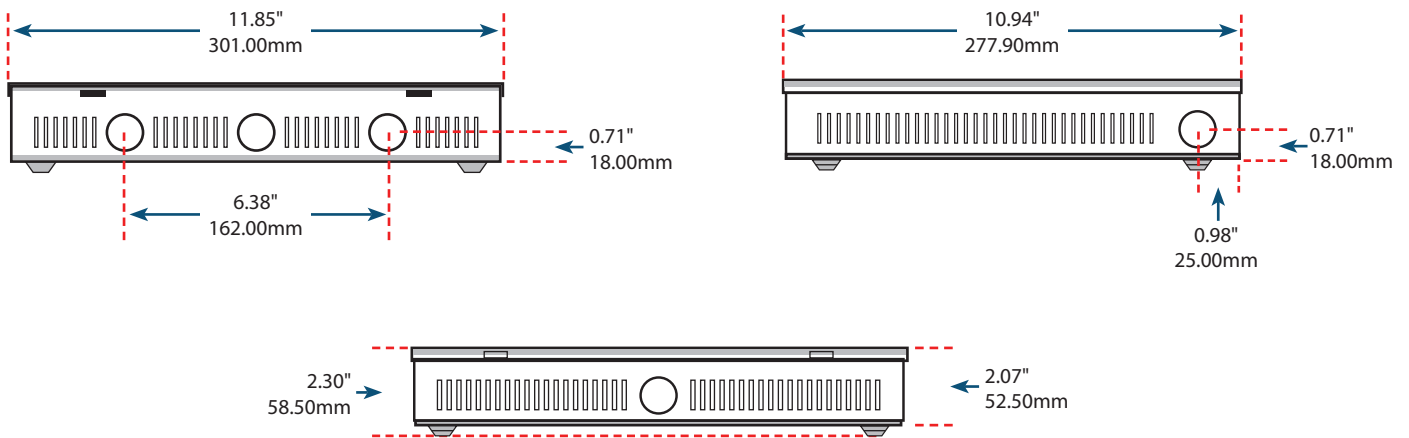
DIMMING (Dimming Models Only)						
Min. Dimming Level	1%	1%	1%	1%	1%	1%
Type of Dimming Available	0-10V	0-10V or Phase-cut	0-10V or Phase-cut	0-10V or Phase-cut	0-10V	0-10V

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

## Mechanical Diagrams Dimensions



## Wiring Diagrams 0-10V & Phase-Cut Dimming

