

WE **DRIVE** LIGHT

Customer Care

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JB Series | VersaDrive 0-10V Wireless Node Ready

Specification Sheet

Up to 672 Watts, Multi-Channel, Constant Voltage
LED Drivers with 0-10V Dimming and Aux Out

Key Features

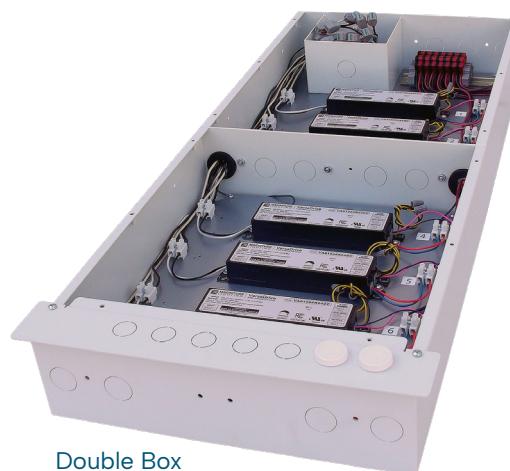
- Lutron Athena AWN sensors factory installed or field installed.
- Also compatible with other auxiliary powered wireless nodes.
- 22VDC Aux Output (powers accessories that operate between 12VDC and 24VDC)
- PWM Output for consistent performance with different types of LED tape and flicker-free dimming down to 1%
- Drivers installed & pre-wired, saving time in the field
- Reduces installation time & provides easy maintenance access
- Covered & ventilated enclosures
- Recessed mountable – fits between standard wall studs
- Assembly is UL 2108 Listed, Class 2, CSA C22.2 No. 250.2

Specification Overview

- 0-10V Dimming
- Multi-Channel output (96W per Channel)
- All drivers are home runs to line voltage compartment
- Universal input voltage 120 to 277VAC
- Class 2, Constant Voltage 24VDC output
- Multiple 1-1/8" (3/4" trade size) knockouts and seven 0.87" (1/2" trade size) knockouts on cover
- 5-year warranty



Single Box
2 or 3 Channel



Double Box
4 to 7 Channel

120-277V

24VDC

CLASS 2

SELV

PWM
DIM

STD	HD	COB
✓	✓	✓

Tape Compatibility Chart

ENCLOSURE DETAILS

Dimensions	Material	Finish	Environmental
Single Box (2-3CH): 14.0"W x 16.9"H x 4.2"D (357 x 429 x 107mm)	Stamped Steel	Powder Coat	Dry Location
Double Box (4-7CH): 14.0"W x 33.7"H x 4.2"D (357 x 856 x 107mm)	Stamped Steel	Powder Coat	Dry Location

ORDERING INFORMATION

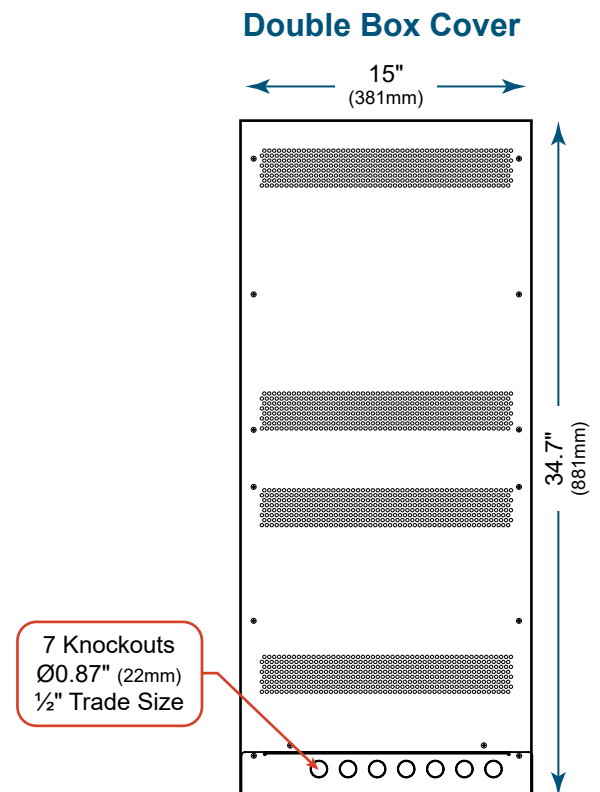
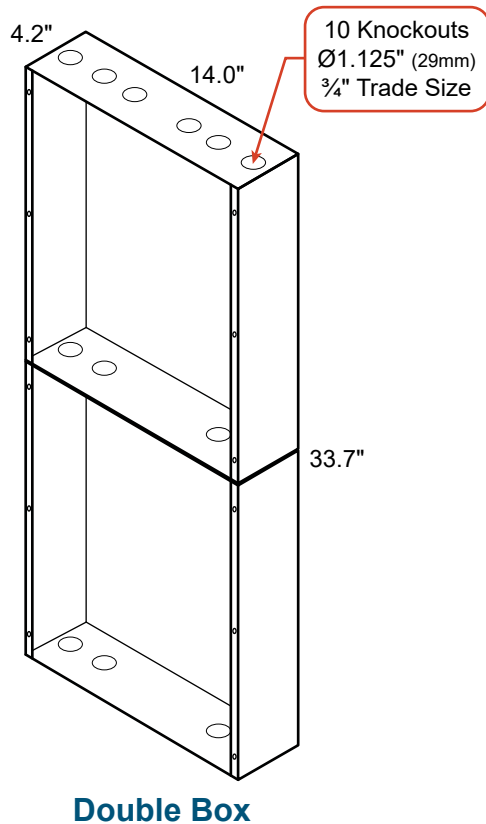
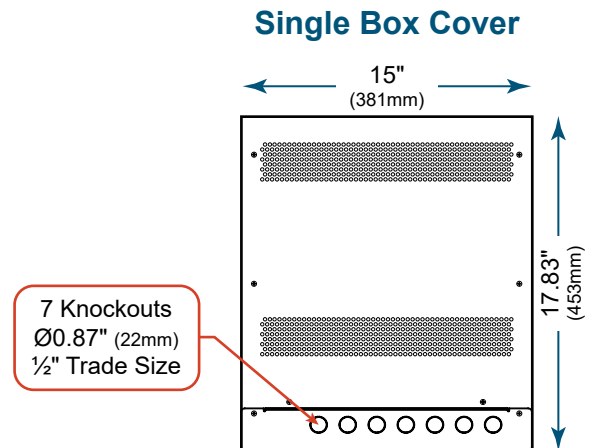
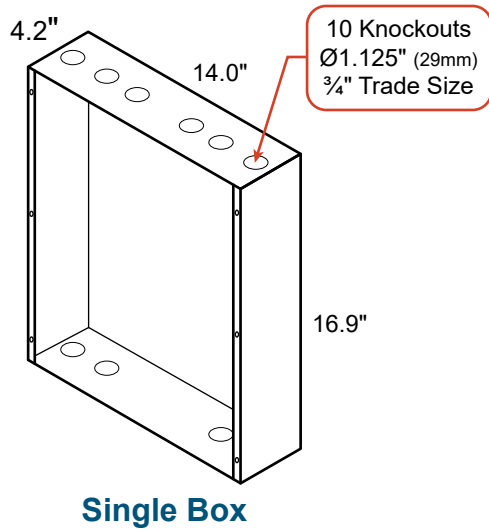
JB-Series VersaDrive 0-10V • Lutron Athena Wireless Node						
Model		Channels		Driver	# of AWN*	
JBWR				VA01096R24DC		
JBWR	Wireless Ready	2	2-Channel	VersaDrive 0-10V Dimmable with 22VDC Aux Out, 96W, 120V-277V input 24VDC output Driver meets Lutron AWN requirements: 120-277VAC input 0-10V Dimming meets ASNI I37.1C for electronic off	-AWN1	1 pre-wired AWN sensor
		3	3-Channel		-AWN2	2 pre-wired AWN sensors
		4	4-Channel		-AWN3	3 pre-wired AWN sensors
		5	5-Channel		-AWN4	4 pre-wired AWN sensors
		6	6-Channel		-AWN5	5 pre-wired AWN sensors
		7	7-Channel		-AWN6	6 pre-wired AWN sensors
					-AWN7	7 pre-wired AWN sensors

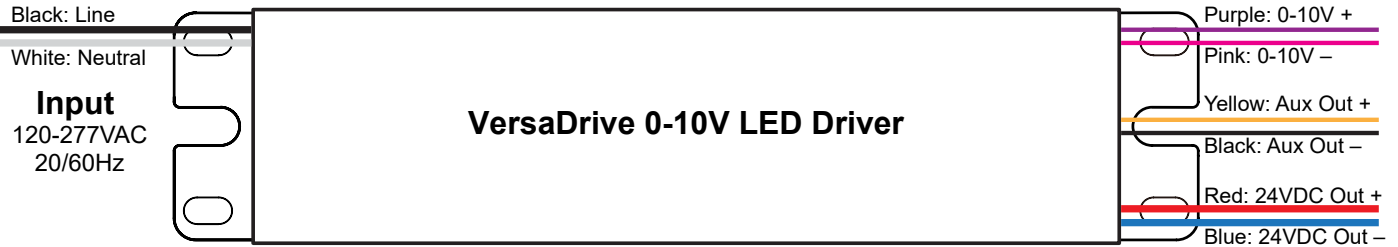
* When ordering, include layout of driver channels and Athena Wireless Node zones

JB-Series VersaDrive 0-10V • Wireless Node Ready						
Use for field installation of Lutron AWN sensors or other wireless nodes						
Model		Channels		Driver		
JBWR				VA01096R24DC		
JBWR	JB Wireless Ready	2	2-Channel	VersaDrive 0-10V Dimmable with 22VDC Aux Out, 96W, 120V-277V input, 24VDC output Driver meets Lutron AWN requirements: 120-277VAC input 0-10V Dimming meets ASNI I37.1C for electronic off		
		3	3-Channel			
		4	4-Channel			
		5	5-Channel			
		6	6-Channel			
		7	7-Channel			

SPECIFICATIONS

Input	
Input Voltage Range	120 to 277VAC \pm 10%
Input Frequency	50 / 60Hz
Input Current	1.14A @ 120V, 0.51A @ 277V
Efficiency	84% @120V, 85% @ 277V
Power Factor	> 0.94 @ Max Load
Input Terminal Wire Gauge Range	12 to 26 gauge
Output (Per Channel)	
Output Voltage	24VDC Constant Voltage
Max Load	96W
Output Current @ Maximum Load	4.0A
Output Dimming Method	PWM
Output Terminal Wire Gauge Range	12 to 26 gauge
Auxiliary Output Voltage	22VDC (powers accessories that operate between 12VDC and 24VDC)
Environmental	
Enclosure Rating	Dry Location
Operating Temperature	-30°C to 50°C / (-22°F to 122°F)
Dimming	
Output Dimming Method	0-10V
Minimum Dimming Level	1% w/ Dim to Off
Minimum Load for Dimming	8W per channel
Dimming Curve	Linear
Compliance	0-10V ANSI C137.1
Protection	
Over Voltage Protection	Yes
Over Temperature Protection	Yes / Auto-Recovery
Overload Protection	Yes / Current Limit
Short Circuit Protection	Yes / Hiccup Mode Auto-Recovery
Approval Markings & Certifications	
Listing	UL2108 (pending), CSA C22.2 No. 250.2
Certifications	Class 2

MECHANICAL DIAGRAMS


WIRING DIAGRAMS

22VDC Aux Out

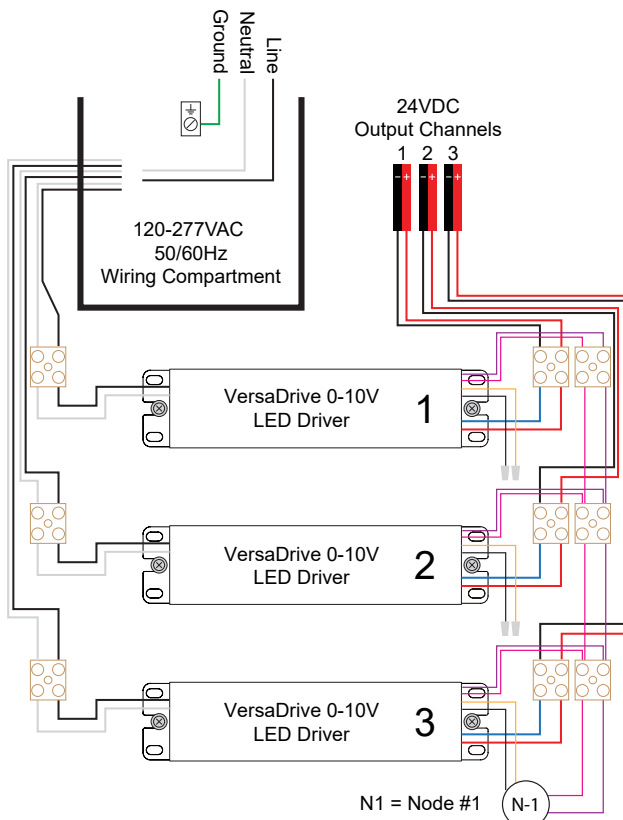
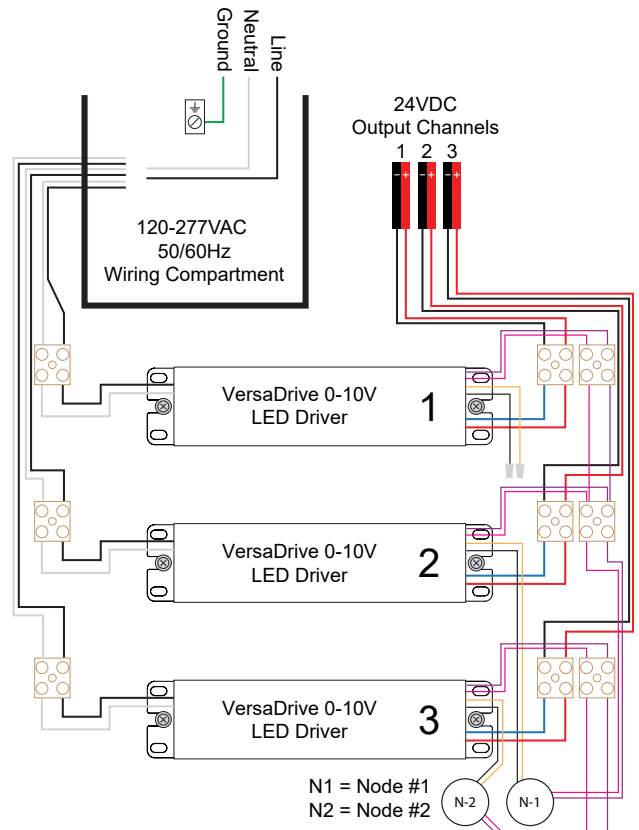
Operates sensors & accessories that operate between 12VDC and 22VDC. Yellow wire is Positive (+), Black wire is Negative (-). Auxiliary output is independent of driver and can be used to power sensors/accessories regardless of the driver output circuit.

0-10V Dimming

Factory wiring of 0-10V signal is daisy chained for one 0-10V Wireless sensor in small box (2-3 Drivers) or two 0-10V Wireless sensors in large box (4-7 driver)

Nodes & Sensors

Installer can connect Minimum one driver with single 0-10V wireless sensor and Maximum 4 drivers with single 0-10V wireless sensor.

Small Box with Single 0-10V Sensor

Small Box with Two 0-10V Sensors


WIRING DIAGRAM

Large Box with Two 0-10V Sensors

