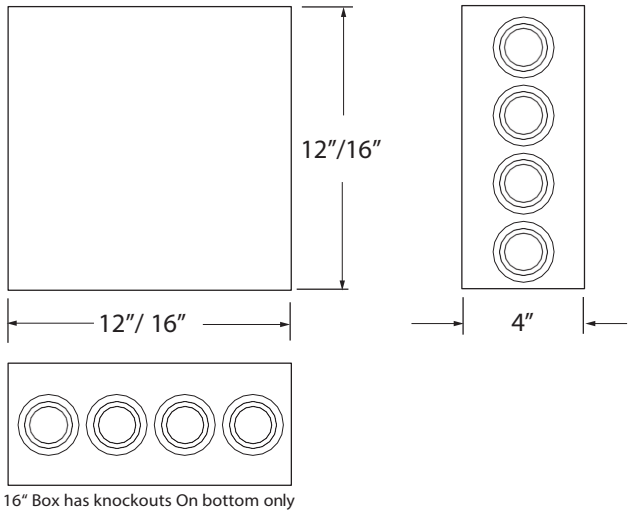
ADUL-VW | Power Supply with Variable Sub-Controller Installation

Profile Dimensions



16″ Box has knockouts On bottom only

Please verify the contents of the packages!

Please read instructions entirely before starting installation

Be sure power is turned off before installing or modifying the system

Call Tivoli, LLC tech support with questions

Caution: This Power Supply is designed to work on 100-277V AC line voltage only. Use of any other power source will cause damage, shorten the life of the fixture and will void the warranty.

Consult any and all applicable local and national codes for installation.

Do not conceal or extend exposed conductors through a building wall as per local electrical code.

Warning: With any luminaire or power supply for any application, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injuries. This power supply should be installed by a certified professional.

Installation Instructions

Mounting Location Requirements

It is recommended that the enclosure be mounted with at least 10″ of open space around it for proper ventilation. Do not mount next to or above heat radiating equipment. Operating under high ambient temperature may increase the internal temperature and will require a de-rating in output current. This power supply will operate efficiently between -40° C to +80° C with adequate ventilation. The enclosure is NEMA 1 rated for indoor applications.

Indoor Installation

Step 1: Locate Power Supply enclosure (NEMA 1 rated) in a suitable indoor location.

Step 2: Note the spacing of the mounting holes when determining mounting location.

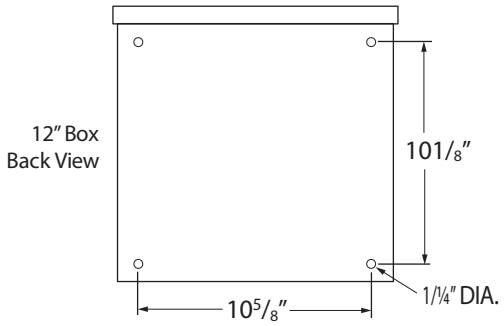
Step 3: Knock out access holes as needed. The 16″ Box has knockouts only along the bottom of the box.

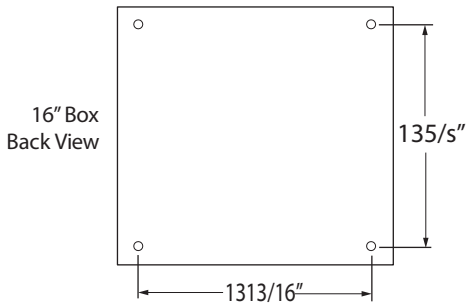
Step 4: Install strain reliefs (wire clamps) for ½″ hole size. Input lead wires are 18AWG. Output lead wires are 14AWG.

Input Connection:

Bring external Positive (Black) and Negative (White) Power Lines through Strain Relief on the input side of the Transformer. Connect to Black and White Transformer Leads using the correct size and UL approved Wire Nuts.

Grounding: Connect the Green Ground Wire from inside the enclosure and the Green Transformer wire to incoming ground wire.





7170438

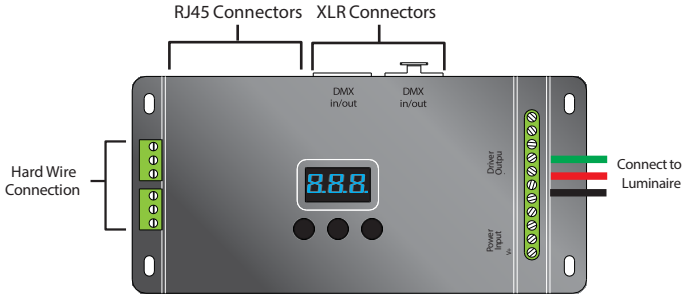
Copyright © 2020 Tivoli 07.28.2021

www.tivolilighting.com tel: 714-957-6101 fax: 714-427-3458

Luminaire Connections

Connection Options

There are three types of DMX In/Out ports:
1. RJ45
2. 3 Pin XLR
3. Screw connections

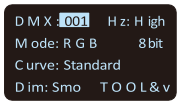


Programming 5 Channel DMX Sub-Controller

Programming the DMX Sub-Controller

Press "M" key to switch menus.
Press and hold "M" key to return to main menu.
Press "^" or "v" Key to to make selection.
Select "Exit" to return to previous Munu.

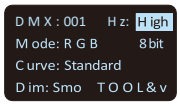
1. DMX Address Setting



Main page

Press "^" or "v" key to set DMX address.
Range: 001~512

2. PWM Frequency



Press "^" or "v" key to choose.
Optional :
Std (standar d)
High
Mid (middle)
Low
No flicker in video camera.
Smooth and delicate, human eye is comfortable.
※ It is recommended to use standar d.

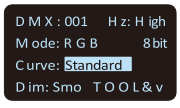
3. Mode

Press "^" or "v" key to choose.
Optional : Dim / CT
RGB / RGBW / RGBWY

4. Grey Level

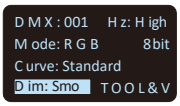
Press "^" or "v" key to choose.
Optional : 8bit
16bit (choose it if the master controller support this function)

5. Dimming Curve



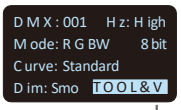
Press "^" or "v" key to choose.
Optional : Standar d
Linear
LOG
0.1~9.9
It is recommended to use standar d, 0.1-9.9 is for special requirements.

6. Enhanc e Dimming

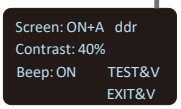


Press "^" or "v" key to choose.
Optional : Std (standar d)
Smo (smooth)
※ It is recommended to use standar d.
Smo: This option with smooth processing, realize the dimming flicker-free and dynamic effects more downy.

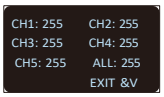
7. Tool



Press "^" or "v" key to enter submenu.



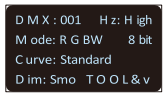
Press "^" or "v" key to enter submenu of test.



Brightnes s setting (range: 0~255)
Press" v" to exit

Screen: ON+A ddr
Screensaver open and display address if undo for 2 minutes.

Screen: ON+black
Screensaver open and black if undo for 2 minutes .



Screen: OFF
Screensaver not enable.

* Fast self-testing function: press "^" or "v" keys simultaneousl y for 2-3 seconds under any page, decoder will enter self-tes ting function.

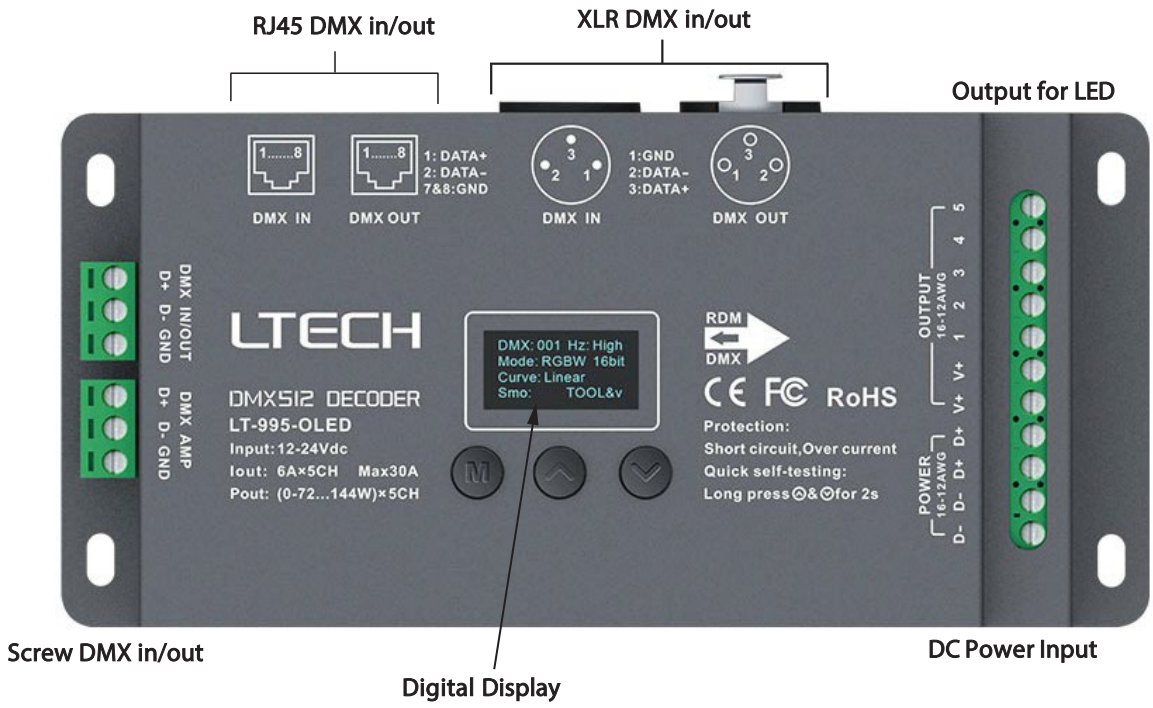
7170438

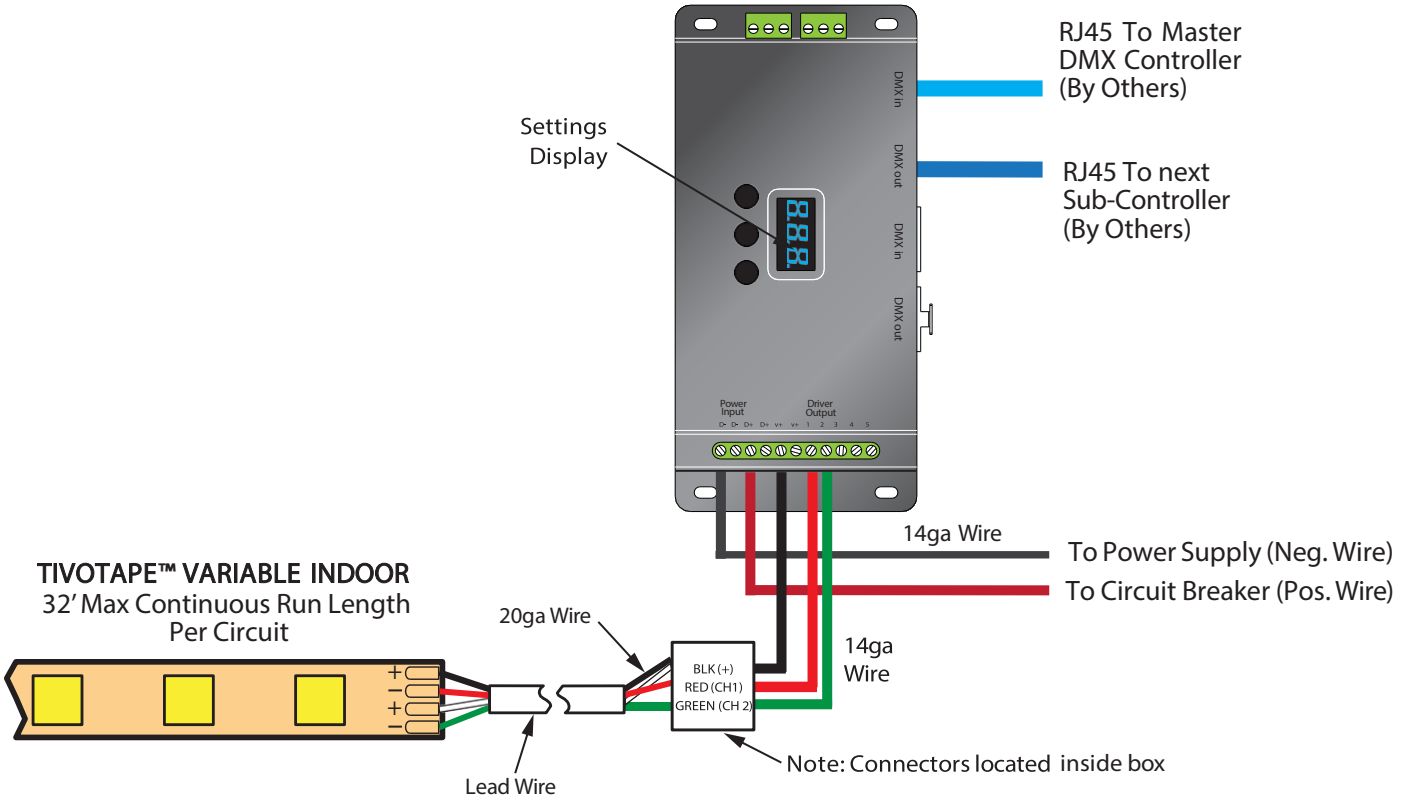
Copyright © 2020 Tivoli 07.28.2021

www.tivolilighting.com tel: 714-957-6101 fax: 714-427-3458

Tivotape™ Variable White Wiring Diagram for 5 Channel DMX Digital Controller

DMX512 & RDM Decoder





7170438

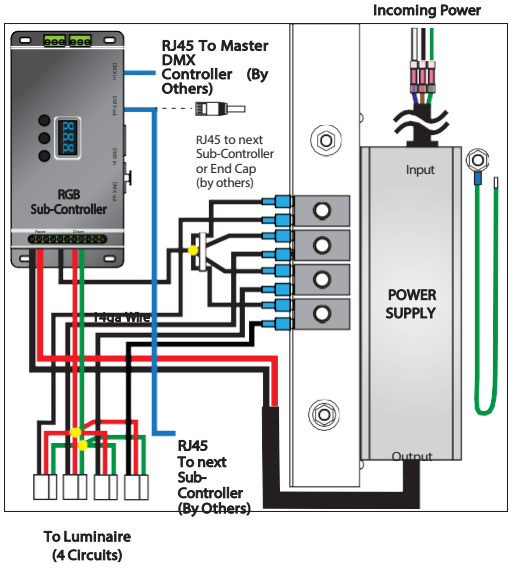
Copyright © 2020 Tivoli 07.28.2021

www.tivolilighting.com tel: 714-957-6101 fax: 714-427-3458

ADUL-VW Series Wiring Diagrams

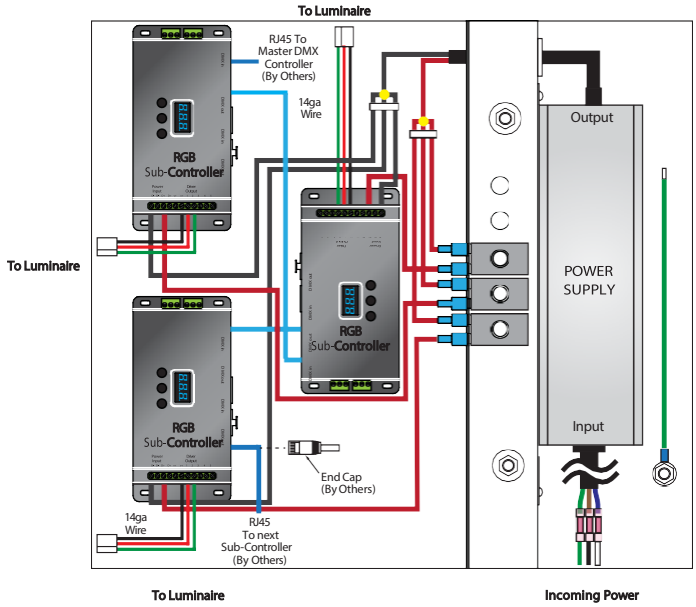
ADUL-320-4-5-12-VW
100-277V AC / 12V DC, 240W / 4 CIRCUITS X 5A

BOX SIZE:
12" X 12" X 4"
NEMA 1



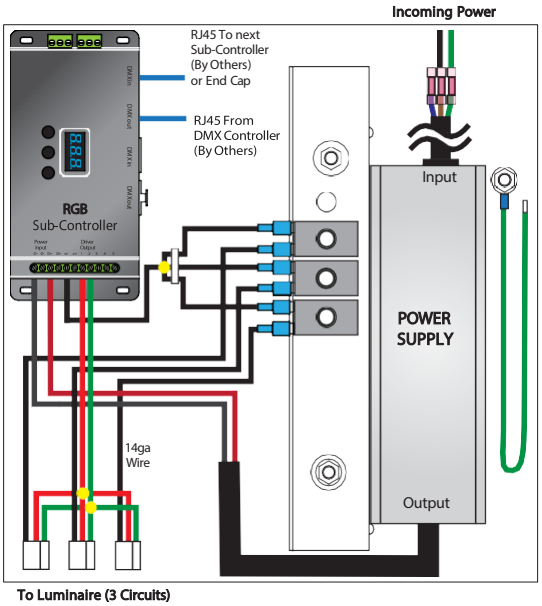
ADUL-240-3-5-12-VW-3
100-277V AC / 12V DC, 180W /3 CIRCUITS X 5A
ADUL-320-3-4-24-VW-3
100-277V AC / 24V DC, 288W /3 CIRCUITS X 4A

BOX SIZE:
16" X 16" X 4"
NEMA 1



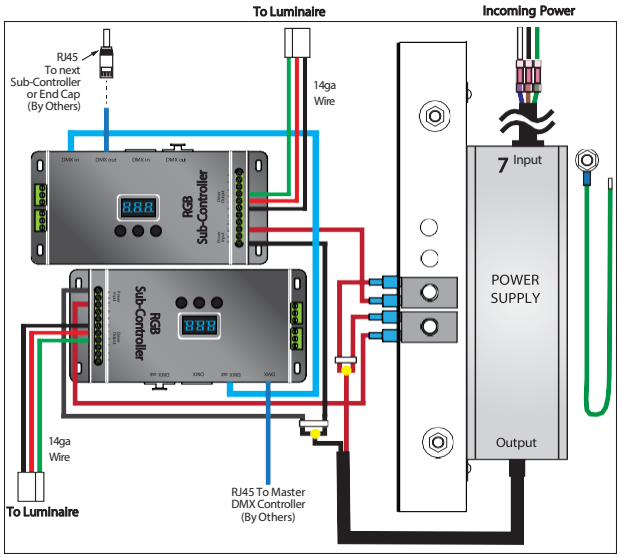
ADUL-240-3-5-12-VW
100-277V AC / 12V DC, 180W /3 CIRCUITS X 5A
ADUL-320-3-4-24-VW
100-277V AC / 24V DC, 288W /3 CIRCUITS X 4A

BOX SIZE:
12" X 12" X 4"
NEMA 1



ADUL-150-2-5-12-VW-2
100-277V AC / 12V DC, 120W /2 CIRCUITS X 5A
ADUL-240-2-4-24-VW-2
100-277V AC / 24V DC, 192W /2 CIRCUITS X 4A

BOX SIZE:
12" X 12" X 4"
NEMA 1



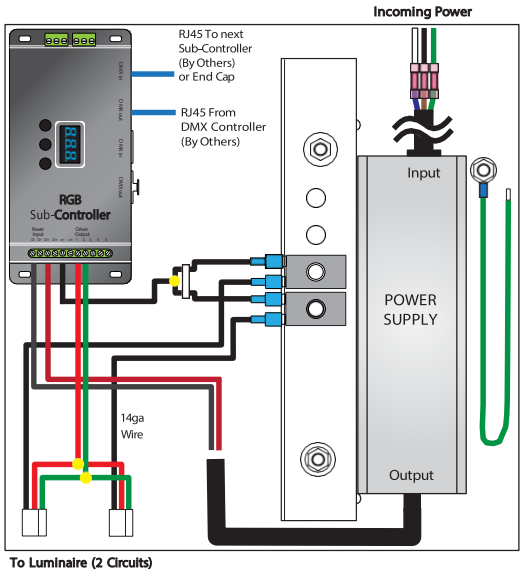
Copyright © 2020 Tivoli 07.28.2021

www.tivolilighting.com tel: 714-957-6101 fax: 714-427-3458

ADUL-VW Series Wiring Diagrams

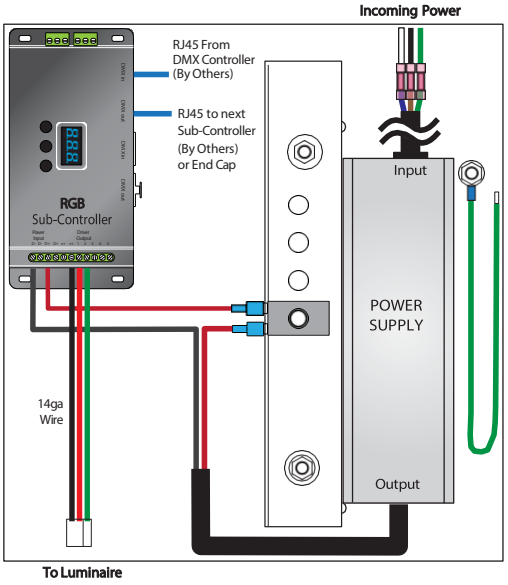
ADUL-150-2-5-12-VW
100-277V AC / 12V DC, 120W /2 CIRCUITS X 5A
ADUL-240-2-4-24-VW
100-277V AC / 24V DC, 192W /2 CIRCUITS X 4A

BOX SIZE:
12" X 12" X 4"
NEMA 1



ADUL-80-1-5-12-VW
100-277V AC / 12V DC, 60W /1 CIRCUIT X 5A
ADUL-120-1-4-24-VW
100-277V AC / 24V DC, 96W /1 CIRCUIT X 4A

BOX SIZE:
12" X 12" X 4"
NEMA 1



Copyright © 2020 Tivoli 07.28.2021

www.tivolilighting.com tel: 714-957-6101 fax: 714-427-3458