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.
Programming the DMX Sub-Controller

1. DMX Address Setting
   - Press "M" key to switch menus.
   - Press and hold "M" key to return to main menu.
   - Press "˄" or "˅" key to make selection.
   - Select "Exit" to return to previous menu.

2. PWM Frequency
   - Press "˄" or "˅" key to set DMX address.
   - Range: 001-512
   - Optional: "˄" or "˅" key to choose.
   - Optional: Std (standard) / High / Mid (middle) / Low

3. Mode
   - Press "˄" or "˅" key to choose.
   - Optional: Dim / CT
   - Optional: RGB / RGBW / RGBWY

4. Grey Level
   - Press "˄" or "˅" key to choose.
   - Optional: 8bit / 16bit (choose it if the master controller support this function)

5. Dimming Curve
   - Press "˄" or "˅" key to choose.
   - Optional: Standard
   - Optional: Linear / LOG
   - It is recommended to use standard, 0.1-9.9 is for special requirements.

6. Enhance Dimming
   - Press "˄" or "˅" key to choose.
   - Optional: Smo (smooth)
   - It is recommended to use standard.
   - Smo: This option with smooth processing, realize the dimming flicker-free and dynamic effects more downy.

7. Tool
   - Press "˄" or "˅" key to enter submenu.
   - Screen: ON+Addr
   - Contrast: 40%
   - Beep: ON
   - TEST&EXIT

* Fast self-testing function: press "˄" or "˅" keys simultaneously for 2-3 seconds under any page, decoder will enter self-testing function.

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

DMX512 & RDM Decoder

- XLR DMX in/out
- RJ45 DMX in/out
- DMX IN
- DMX OUT
- DMX IN
- DMX OUT
- 14ga Wire
- 20ga Wire
- Lead Wire
- BLK (+)
- RED (CH1)
- GREEN (CH 2)
- Screw DMX in/out
- DC Power Input
- Output for LED
- Digital Display
- Settings Display
- RJ45 To Master DMX Controller (By Others)
- RJ45 To next Sub-Controller (By Others)
- To Power Supply (Neg. Wire)
- To Circuit Breaker (Pos. Wire)

Note: Connectors located inside box
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

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In all diagrams, please ensure that all components are connected correctly to avoid any electrical hazards.
ADUL-VW | Power Supply with Variable Sub-Controller Installation

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