Profile Dimensions

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 unit.
Call Tivoli, LLC tech support with questions

Caution: This Power Supply is designed to work on 100V/277V
AC line voltage. Use of any other power source will cause damage
and will void the warranty. This Power Supply is certified for Class 2
applications.
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: 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.
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.

Warnings and Cautions
1. Risk of electrical shock and energy hazard. All failures should be ex-
amined by a qualified technician. Do not open the case of the power
supply module.

2. Do not install LED power supplies in places with high ambient
temperature or close to a fire source.

3. Risk of irreparable damage. LED power supplies rated for indoor
use (NEMA 1) must be located indoors or where the unit can be
sheltered from rain.
Installation Instructions (Continued)

Wiring for Dimming

Use DIM-OT-1-4-5-D for dimming an LED luminaire with the ADUL series power supply. Use one DIM-OT per circuit.

**Step 1:** Locate DIM-OT in the proximity of the transformer enclosure and mount.

**WARNING!** Fire danger.
The maximum permissable temperature of 50°C must not be exceeded. Make sure there is adequate space to avoid heat buildup.

**Step 2:** Remove both terminal covers

**Step 3:** Connect the Black (-) wire from the output side of the transformer to the Negative (-) terminal on the 10-24V input side of the DIM-OT.

**Step 4:** Connect the Red (+) wire from the output side of the transformer to the Positive (+) terminal on the 10-24V input side of the DIM-OT.

**Step 5:** Connect the cable from a 0-10V dimmer control to the corresponding terminals of the 1-10V input of the DIM-OT.

**Step 6:** Connect the positive and negative wires from the luminaire and connect to the output terminals of the DIM-OT. Connect only one luminaire to one DIM-OT per circuit.

**Step 7:** Replace Terminal Covers
ADUL Series Wiring Diagrams

**ADUL-320-4-5-12-D**
120-277V AC / 12V DC, 240W /4 CIRCUITS X 5A

**ADUL-240-3-5-12-D**
120-277V AC / 12V DC, 180W /3 CIRCUITS X 5A

**ADUL-320-3-4-24-D**
120-277V AC / 24V DC, 288W /3 CIRCUITS X 4A

**ADUL-150-2-5-12-D**
120-277V AC / 12V DC, 120W /2 CIRCUITS X 5A

**ADUL-240-4-2-24-D**
120-277V AC / 24V DC, 192W /2 CIRCUITS X 4A

**ADUL-80-1-5-12-D**
120-277V AC / 12V DC, 60W /1 CIRCUIT X 5A

**ADUL-120-1-4-24-D**
120-277V AC / 24V DC, 96W /1 CIRCUIT X 4A

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120-277V AC / 12V DC, 240W /4 CIRCUITS X 5A

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