DATA SHEET

W BOX TECHNOLOGIES

Product Code -WBXPSU1A24VDST
WBXPSU2A24VDST
WBXPSU4A24VDST

The WBXPSU1A24VDST is a 1A 24vDC Transformer Rectifier Boxed PSU
The WBXPSU2A24VDST is a 2A 24vDC Transformer Rectifier Boxed PSU
The WBXPSU4A24VDST is a 4A 24vDC Transformer Rectifier Boxed PSU



- Mains input voltage 170-264Vac.
- Output voltage DC24V regulated.
- High efficiency electronics for reduced running costs and lower operating temperature.
- Full electronics short circuit and overload protection.
- Lid-tamper detection.
- Green Mains present LED.
- Red Fault LED.
- Selectable NO / NC input for Relay
- External DC24V voltage input for Relay

Input Specification:

Input Voltage	170-264Vac, 47-63Hz
Mains Input Fuse	3.0A 250V

Output Specification:

Output Voltage	DC24V1A or 2A or 4A (Subject to the model)
Ripple	150mV pk-pk max.
Load Output Fuse	1A or 2A or 4A (Subject to the model)
Overload Protection	Electronics shutdown until overload or short circuit removed.
Box Size:	200Wx240Hx75D mm removable hinge
Warranty	3 years

Environmental:

Working Temperature -10°c~+40°c Storage Temperature -20°c ~+60°c

Humidity 95% RH non-condensing

Terminals:

DC-OUT x 2	+/- voltage O/P to load equipment
SW x 2	Switch for controlling Output ON/OFF
24V EXT x 2	+/- external voltage for controlling Output ON/OFF
Tamper x 2	Tamper volt-free contact

FOR MORE INFORMATION, CONTACT YOUR ADI SALES PERSON.

W BOX TECHNOLOGIES

DATA SHEET

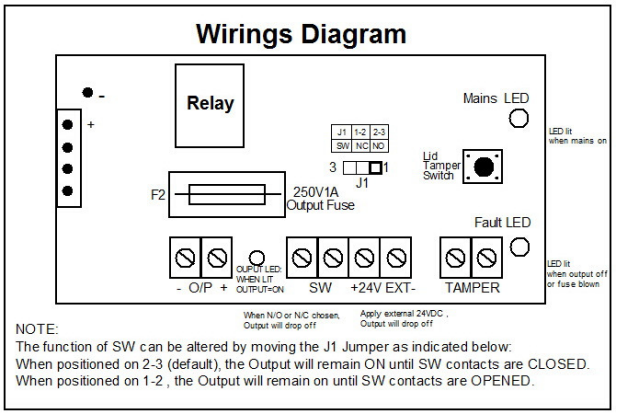
Normal Operation:

During normal operation observe the following:

1) The green LED indicates Mains present.
2) The red fault LED indicates that the output fuse has blown or the output is off due to the contact switching at terminals **SW** or **24V EXT**(see diagram).
3) The red LED under the output fuse indicates that the output is on.
4) Lid Tamper: contact close when lid closed.(N/O volt-free contact)

Fault Diagnosis(No DC output):

1) Ensure **SW** & **24V EXT** settings are correct for the application(refer to diagram)
2) Output fuse blown.
   Note: Some equipment can draw more current on power up which is in excess of manufacturers current rating (Electro-magnetic locks can be a particular problem.)
   Fuse must be **Quick Blow** at power supplying rating…



Installation

1) Mount the box on a flat vertical surface in correct orientation.

2) Connect a suitable mains supply with an external disconnect device. This must be a 3amp fused unswitched spur installed by a qualified electrician certified to Part B

3) Remove mains fuse from the fuse block.
4) Connect the load and all associated wiring.

The DC24V terminal are marked – DC-OUT +. The cable size for the load should be rated to carry the load current for all devices connected to this. If required, connect an external switch to the terminals marked SW. Subject to the settings (see diagram): Opening or Closing the switch will turn on or off output.

If required, connect an external supply to 24 EXT terminals (see diagram).Pay attention to the correct polarity. Application of a DC24V to these terminals will turn off the out

5) Mains and low voltage cables should be routed through separ knock-out holes. Where entry/exit holes are used in the box, closed fitting cable protective rubber ring should be used. All cables should be securely fastened within the box with suitab cable ties.
6) Refit the mains fuse

A) Confirm GREEN mains LED is lit.
B) Confirm RED output is lit.
C) Ensure voltage across DC-OUT terminals: 24-27VDC ok.

7 Ensure GREEN/YELLOW earth lead is connected to lid earth tab. Close the lid and secure the box with screws supplied.

FOR MORE INFORMATION, CONTACT YOUR ADI SALES PERSON.

www.wboxtech.eu