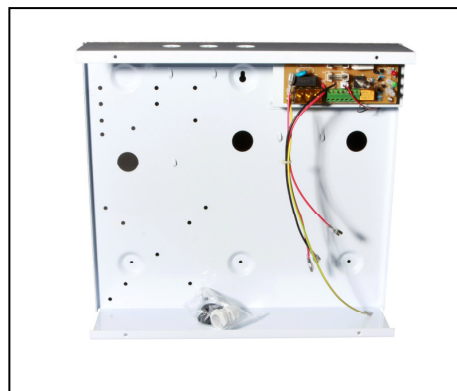


Product Code -WBXPSU1A24VDT

The WBXPSU1A24VDT is a 24v DC 1A Battery Backup Boxed Power Supply



Input Specification:

Voltage: 90-264Vac
Frequency: 50-60Hz
Max. Current: 1A
Mains Input Fuse: 3.0A 250V

Output Specification:

Voltage: Nominal 27.6VDC when mains present
Max. Load Current: 3.0A
Ripple: 150mV pk-pk max.
Load output Fuse: 1A
Overload Protection: Electronics shutdown until overload or short circuit removed (under mains power only)

Standby Battery:

Battery type: 24VDC Lead Acid
Battery Capacity: 2 x DC12V7Ah

Local Indicators:

Fault LED: Red indicating output fuse fail or battery fuse fail.
Mains LED: Green indicating mains are normal.
Battery LED: Orange indicating battery is in charging.
Green indicating battery is full charged.
Red indicating battery is in discharging.

Signalling Output:

Lid & Rear Tamper: N/O volt free contact
(NOTE: contact closed when fixed to the wall and lid closed.)
Mains Fail Output Relay: N/O or N/C volt free output

- High efficiency, cost effective power supply. Ideal for use in Intruder, Access Control and General Security applications.
- Universal mains input voltage 90-264Vac.
- Max. 1A current to load.
- Max. 0.5A to charge standby battery.
- High efficiency electronics for reduced running costs and lower operating temperature.
- Electronic short circuit and overload protection on load output under mains operation.
- Mains transient protection.
- Lid open & box removal tamper detection.
- Fault LED.
- Mains LED.
- Battery LED
- Mains Fail Output Relay

DATA SHEET



TECHNOLOGIES

Product Code -WBXPSU1A24VDT

Installation:

This unit is only suitable for installation as permanently connected equipment. The PSU is NOT SUITABLE for outdoor installation. EQUIPMENTS MUST BE EARTHED.

The PSU should be installed according to all relevant safety regulations applicable to the application.

Mains Power Up:

Connect correctly rated mains cable (minimum 0.5mm²[3A],300/500Vac)

Apply mains power. Check for 27.6Vdc on load outputs.

Check Mains LED is green, N/C is close to COM,N/O open to COM.

Disconnect mains power, N/C is Open to COM,N/O close to COM. **Load Output:**

Connect correctly to rated load. NOTE POLARITY.

Apply mains power. Check Mains LED is on.

Verify load is operating correctly.

Disconnect mains power.

Standby Battery:

Connect the supplied battery cables to battery.

(NOTE: ensure correct polarity of battery connections)

Apply mains power. Check Mains LED is on, and Battery LED Green(full charged) or Orange(In charging).

Disconnect mains power. Mains LED should be off, Battery LED is Red. Check that the batteries continue to supply voltage and current to the load.

NOTE: Batteries must have sufficient charge to supply the load.

Reconnect the mains power .

Remove Battery fuse and check Fault LED should be Red.

Replace Battery fuse. Check Fault LED is off.

Input Specifications	
Input Voltage	90 -264VAC (50 – 60 Hz)
Mains input fuse	3A 250V nominal)
Max input current	1A
Output specifications	
Voltage	27.0 – 28.0Vdc (27.6Vd
Max Load current	1A
Ripple	150mV pk-pk max
Load Output Fuse	1A
Overload	Electronic shutdown until overload or short circuit removed (under mains power only)
Battery	24VDC Lead Acid 2 x DC12V7Ah
Max charging current	0.5A
Battery Fuse	3A
Dimensions WxHxD	360mm x 330mm x 90mm
Warranty	3 Years

