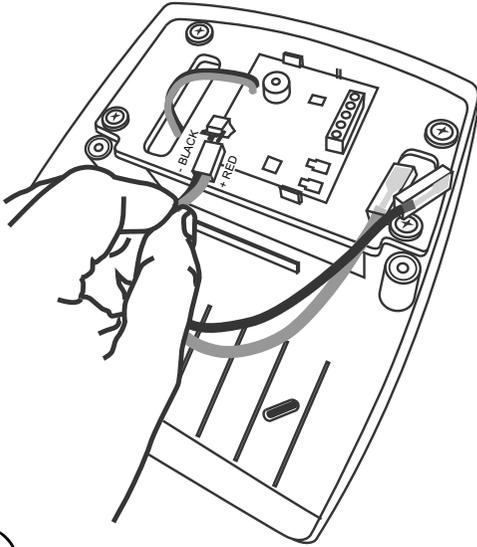


Battery Lead plug

You can easily unplug the red/black battery leads if you wish to install or remove a battery from the unit. The Plug can only fit in one direction. Negative (Black wire) is the first wire from the left side.



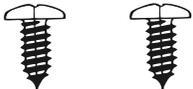
The device is intended to Charge Lead Acid batteries with a max capacity ampere hour rating of 8A/H.
A bigger battery may result in the unit not operating correctly.

THE SOCKET OUTLET SHOULD BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE

Packaging Contents



Qty: 4
4.2 x 9.5mm Posi Self tapper screws
(Use to secure the Plastic plate)



Qty: 2
4.8 x 13mm Posi Self tapper screws
(Use to secure the LID)

Technical Specifications:

| | |
|------------------------------|-------------------------|
| Model: | 3.2AMP |
| Housing colour and material: | White ABS |
| Input Voltage range: | 110V - 240VAC 50Hz 0.5A |
| Output Voltage nominal: | 12VDC - 14.6VDC --- |
| Max Current: | 3.2A @ 12VDC |
| Operating Temperature: | -3°C to 49°C |
| Dimension (lxbxh) | 200 x 180 x 80mm |
| Gross weight: | 0.805Kg |

Approvals:

This product is approved for use in residential, commercial and light Industrial environment and complies with the essential protection requirements of the R&TTE Directive 1999/EC on the approximation of the laws of the member states.

Certifications:
EN 55022:2010
EN 55024:2010
EN 6100-3-2:2006+A1:2009 + A2:2009
EN 6100-3-3:2008
IEC 60950-1:2005 + A1:2009



Warranty

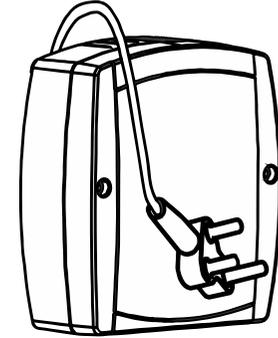
This product is sold subject to our standard warranty conditions and is warranted against defects in workmanship for a period of 2 years.

Customer Support line:
+2711 462 5101 E-mail: technical@sherlotronics.co.za

English

Installation Instructions - For Service Persons Only

Model No: 3.2AMP



12-14VDC 3.2A Power-Supply, battery charger with low battery cutoff

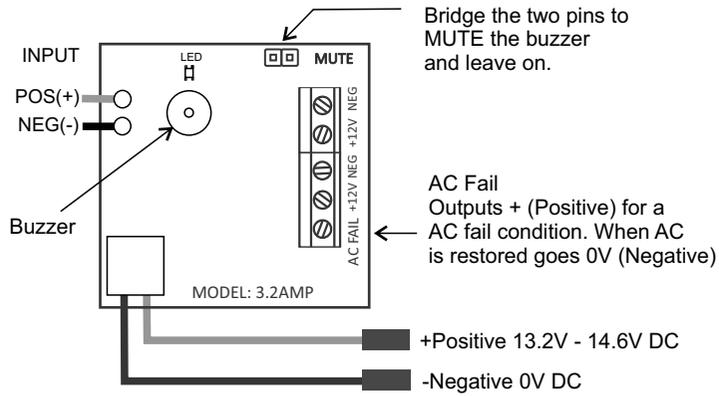
Product Description:

The device is an 12VDC Battery backup Power-supply unit used on various security equipment such as Alarm panels, Access control panels, CCTV, and Panic systems. The output is adjustable from approx: 12VDC - 14VDC +/-10%

Features:

- Microprocessor Controlled charging output.
- Low battery switch off at 10VDC +/-5%.
- Buzzer tones on battery low and AC Fail.
- Resettable Fuse protection on DC output.
- Fuse protection on AC input.
- 50mA Quiescent current on power failure.
- ABS Plastic enclosure.

Top Controller Board



Note:
Before connecting the battery, plug the unit into mains. Using a voltage meter measure Volts across the Red (+) and Black (-) battery wires to check that the charge voltage is between 13.2V-14.6V D.C. The recommended battery charge voltage is approx 13.8VDC. 5% higher or lower than 13.8VDC is acceptable.

Disconnect Mains power before wiring up the equipment to the unit.

The unit will create slight internal heat on all components including its battery. Ensure that the unit has adequate ventilation when selecting the installation location.

AUDIBLE TONES

| | |
|----------------|---|
| POWER FAILURE | Beeps ever 30 seconds |
| BATTERY CUTOFF | 30 second WARNING Beep before the unit cuts off the battery voltage |

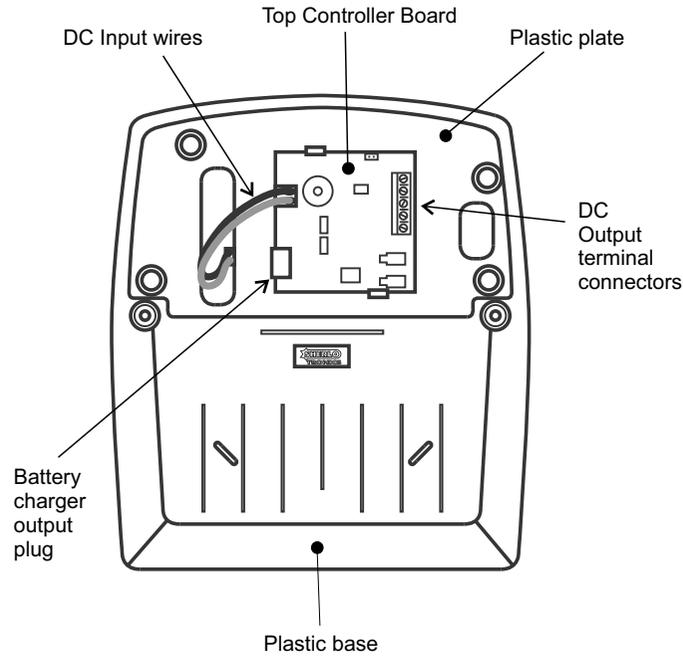
Note:
The Audible tones can be disabled or muted by bridging the MUTE jumper found on the top right hand side of the PCB.

Please see table below for the LED Indication explanation:

LED INDICATION

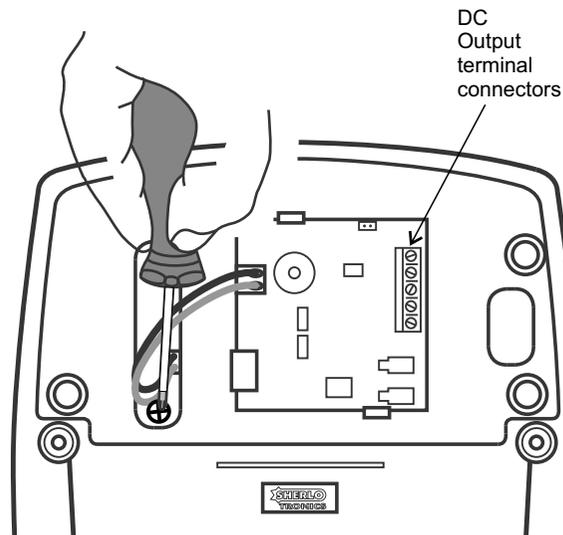
| | |
|--------|---|
| GREEN | Power is on & the unit is charging the battery at the correct voltage |
| ORANGE | Power failure condition. The battery Voltage is above 12V & still good |
| RED | Power failure condition. The battery Voltage is below 11.5V & is almost depleted |
| OFF | Power failure condition. The battery Voltage is below 10V & the unit is switched off. |

Internal View



Voltage adjustment trimmer

Locate the trimmer on the bottom switch mode PCB next to the green LED. Turning clockwise will increase the voltage. You can set a voltage between 12.8V - 14.6VDC. Measure the voltage output on the DC Output terminal connectors using a multimeter.

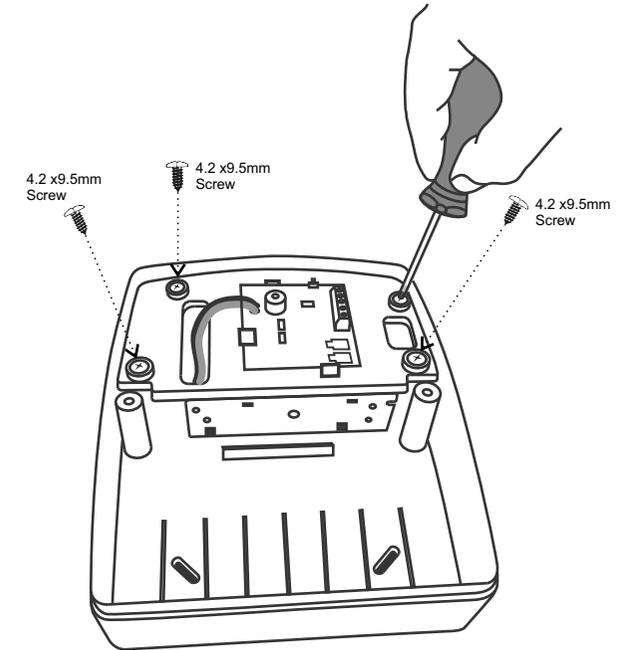


Securing the plastic plate

The unit is supplied with a packet of screws.

The "Plastic plate" is not screwed down so that it is easy to open up the unit to run cables out of the box or to access the mains leads or the DC input wires.

Please use the Qty 4:- 4.2 x 9.5mm Self tapper screws that are provided to screw the plastic plate securely to the "Plastic base" Only do this once you have run the cables out of the bottom of the plastic base and mounted the unit onto a secure wall.



Safety Instructions:

- The device is configured for voltages of 110 to 240V AC. It only has to be plugged into a grounded socket.
- The device may only be used in a dry environment, do not expose it to moisture (sprays of water, mist etc.)



Warning:

Danger: Do not open the device casing while it is powered on.