

# Model No: 3.2AMP



**12V 3.2A Power-Supply, Battery  
Charger with Low battery Cutoff.**

# 12VDC




3 . 2 AMP

## Product Description:

The device is an 12V Battery backup Power-supply unit used on various security equipment such as Alarm panels, Access control panels, CCTV, and Panic systems.

## Technical Specifications:

Model:	3.2AMP
Housing colour and material:	White ABS
Input Voltage range:	110V - 240V 50Hz 0.5A
Output Voltage nominal:	13.8V  DC
Max Current:	3.2A
Relay Rating:	10A /12V
Operating Temperature:	-7°C to 49°C
Dimension (lxbxh)	200 x 180 x 80mm
Gross weight:	0.805Kg

## Features:

- Microprocessor Controlled charging output.
- Low battery switch off at 10V DC.
- Buzzer tones on battery low and AC Fail.
- Resettable Fuse protection on DC output.
- Fuse protection on AC input.
- ABS Plastic enclosure.



## 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.)



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

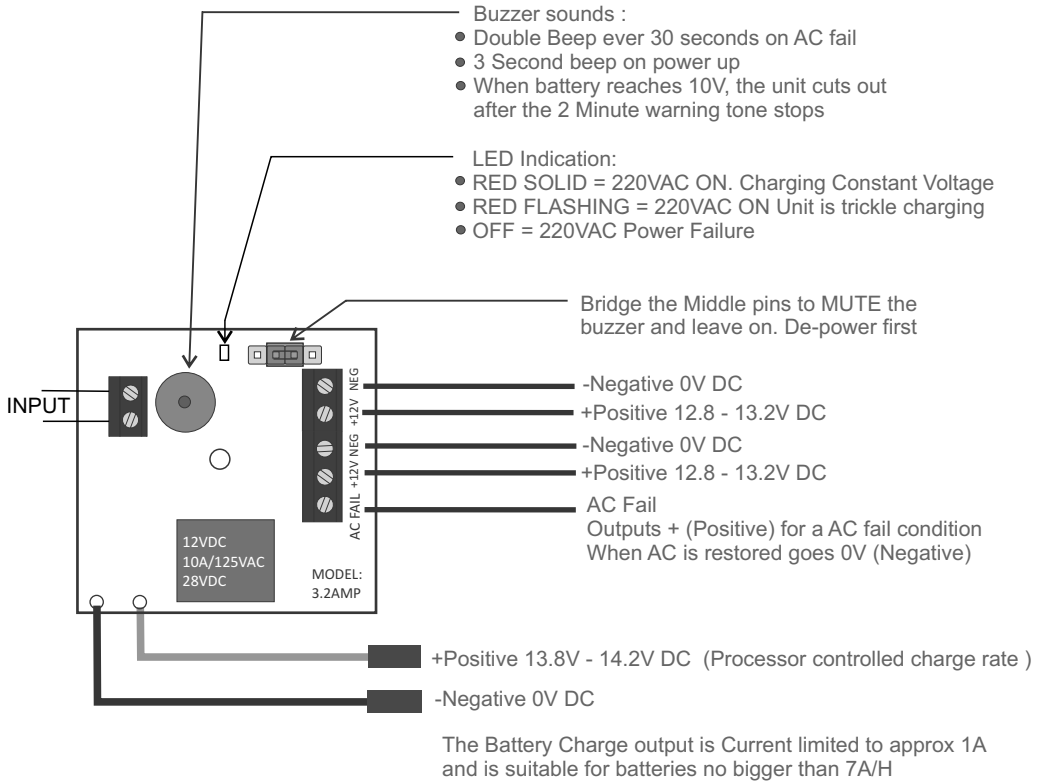


The device is intended to Charge Lead Acid batteries with a max capacity ampere hour rating of 7A/H. A bigger battery may result in the unit not operating correctly.

## WARNING:

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

# Wiring Diagram



**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 13.6V-13.8V D.C.

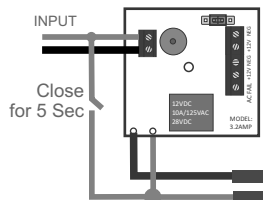
Disconnect Mains power before wiring up the equipment to the unit.

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.

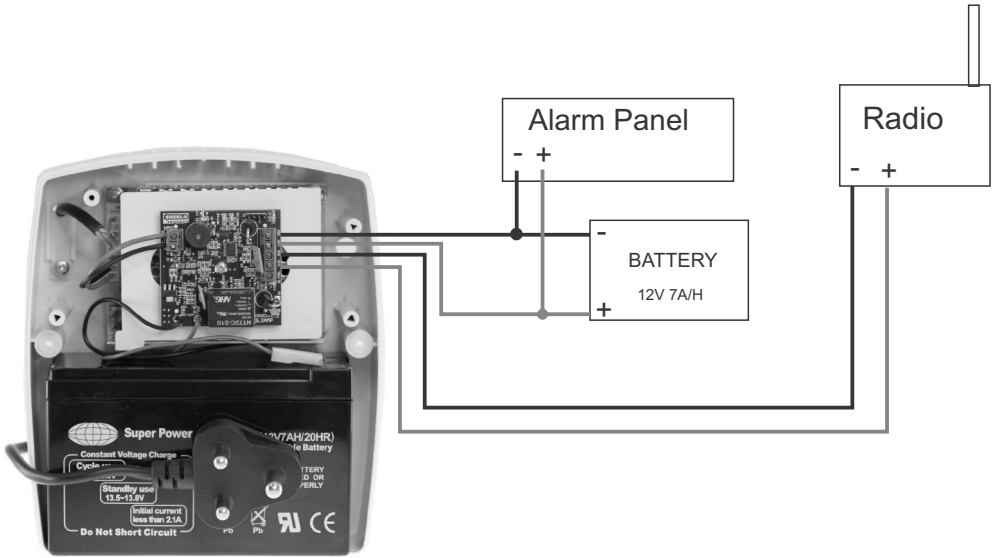
## Installing a New Battery to the unit in a Power failure Condition

**i** Connect a piece of wire from the Battery(+) to the POS (+) Input for approx 5 seconds.

The Power-Supply will beep twice followed by another two beeps. Once the Power-Supply has switched the Relay ON you may remove the Link. Once the unit is powered up there will be a short Beep Approx every 30 Seconds until the mains is restored.



# Wiring up a 3.2AMP Power-supply to a Typical Alarm panel & Radio



## 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

## Order Codes:

3.2A Unit complete	3.2AMP
Charger & Low battery PCB only	3.2PCB
3.2A Switch mode module	TK-10

## Warranty

This product is sold subject to our standard warranty conditions and is warranted against defects in workmanship for a period of 1 year.

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