

## Technical Support

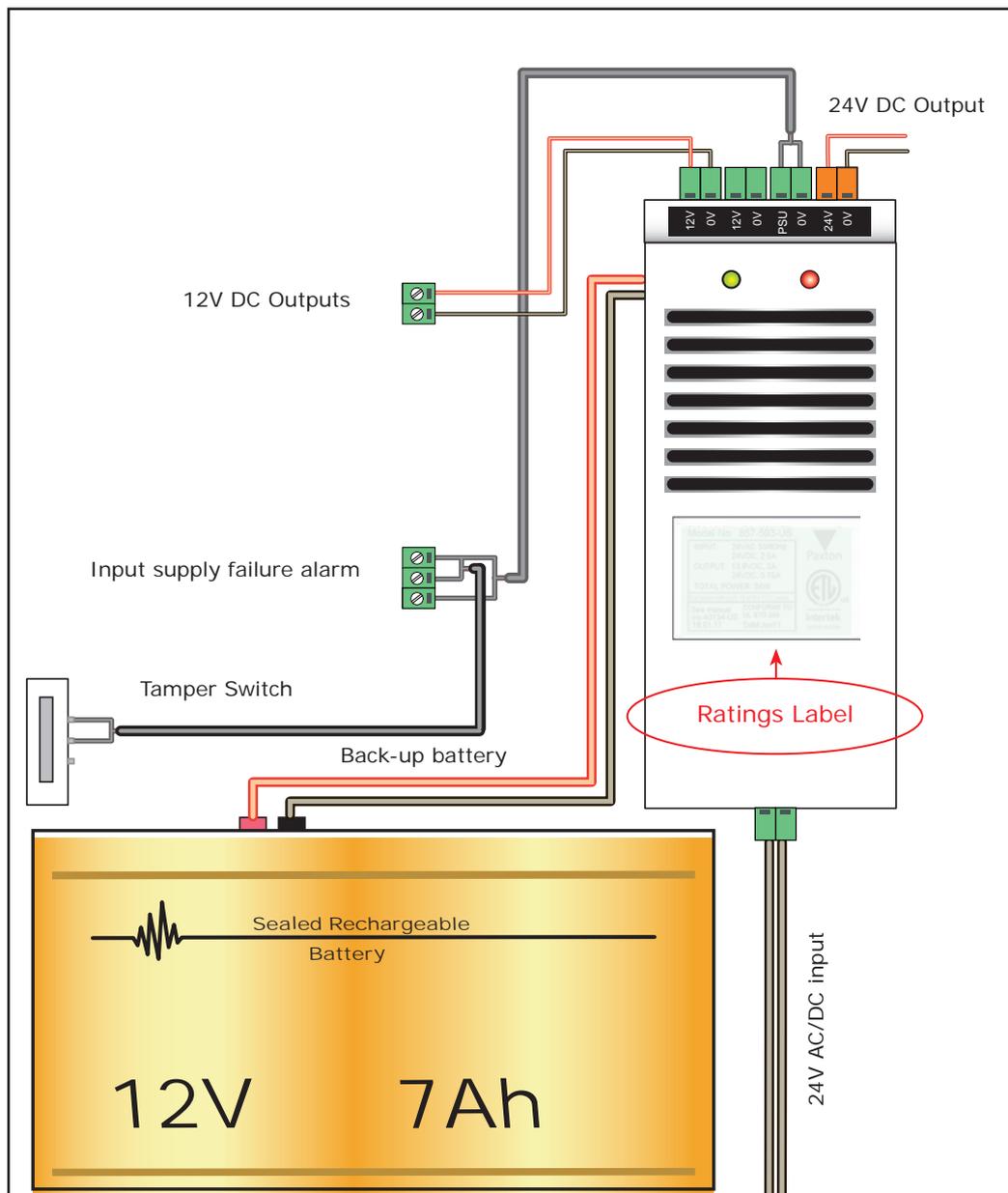
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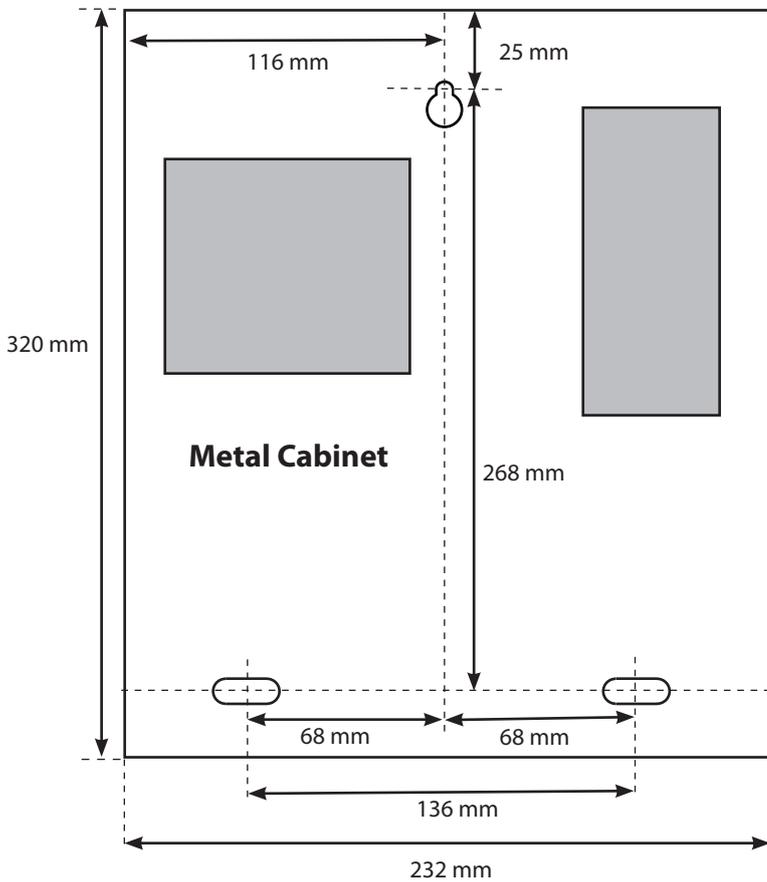
 [support@paxton.co.uk](mailto:support@paxton.co.uk)

Technical help is available: Monday - Friday from 07:00 - 19:00 (GMT)  
Saturday from 09:00 - 13:00 (GMT)

Documentation on all Paxton products can be found on our website - <http://www.paxton.co.uk/>

## Layout





## Fitting

1. Screws and wall plugs are provided in a fitting kit. With reference to the diagrams, determine where the top, central mounting position is required and drill a hole suitable for a No 8 wall plug.
2. Tap in one of the wall plugs.
3. Put in one of the long screws, leaving a suitable gap to the wall surface in order to slot the cabinet over it.
4. Mark the hole positions for the lower 2 screws.
5. Remove the cabinet and drill the additional holes.
6. Tap in the 2 wall plugs and hang the cabinet back onto the top screw.
7. Secure the cabinet with the 2 lower screws.
8. Tighten the top screw.

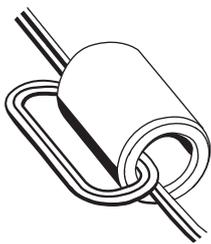
This product is not suitable for retail sale. All warranties are invalid if this product is not installed by a competent person.

## Input Connection

Anchor points are supplied inside the case to secure the incoming supply cable (cable ties are provided). There are also 'knock-outs' in the case to allow convenient access for the cable.

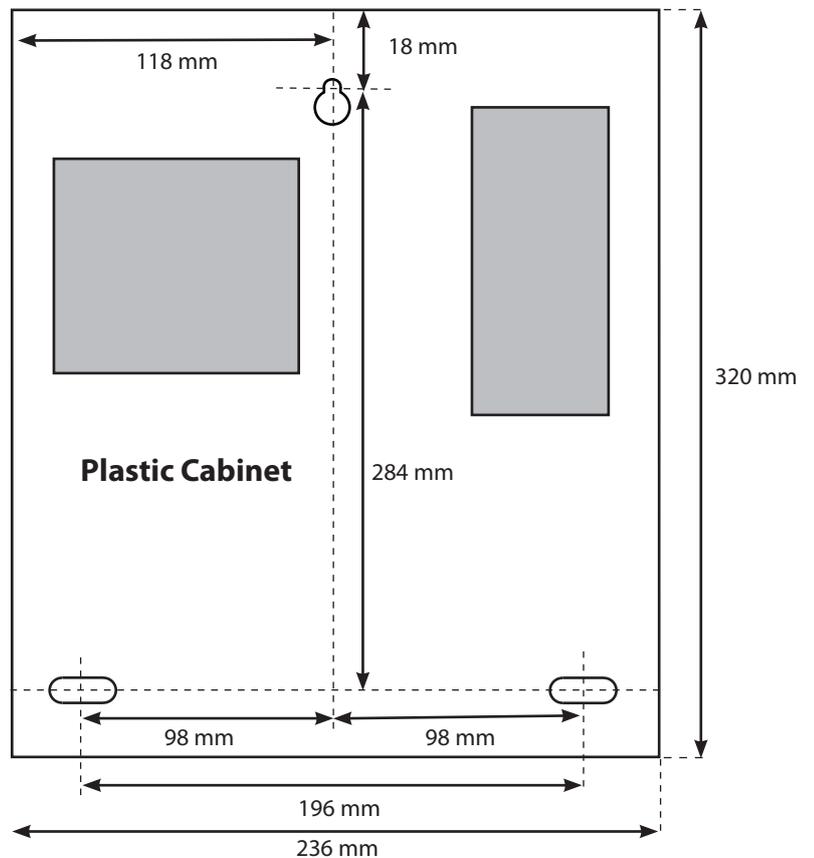
Use the supplied gland or grommet when passing the input cable through any holes in the cabinet.

The battery backup function will not work until this unit has first been connected to the input supply. It is the loss of this supply that switches the unit to battery power.



The input cable must be passed around the supplied Ferrite core.

This should be fitted within 5 cm of the connection with the power supply.



## Status Lights

Green	This LED is on when the input supply is healthy.
Red	This LED is on when the input supply has failed - Power is being supplied by the battery.

## Features

Battery backup	The cabinet can accommodate a 12V / 7Ah battery.
Fast/Trickle charge	The battery is continuously charged to keep it at maximum capacity.
Deep discharge protection	If battery voltage falls below 9.5V, it will automatically disconnect - Red LED goes out.
Input supply failure (PSU)	Registers an alarm if the input power fails when connected to an ACU or I/O board.
Tamper alarm	Registers an alarm if the lid is opened when connected to an ACU or I/O board.

## Specifications

PSU Electrical	Min	Max	
12V Output voltage		13.8V DC	
24V Output voltage		24V DC	
Maximum 12V DC load output current		2 A	
Maximum 24V DC load output current		0.75 A	
Total power out (combined outputs)		24 W	
Maximum battery charging current		0.5 A	
Maximum battery life at full load (2A)		3.5 hours	
Input supply voltage		24V AC or DC	
Maximum input supply current		2.3 A	
Input supply frequency	50 Hz	60 Hz	
Environment	Min	Max	
Operating temperature - no battery backup	0 °C	+49 °C	
Operating temperature - with battery	0 °C	+40 °C	
Waterproof			No
Dimensions	Width	Height	Depth
Metal Cabinet	232mm	320mm	80mm
Plastic Cabinet	236mm	320mm	80mm
Battery Compartment (Plastic Housing)	150mm	100mm	62mm

## WARNINGS

**The following warnings and instructions MUST be adhered to. Read the instructions before installing and powering the equipment. Keep the instructions in a safe place for future reference.**

**RECEIVING INSPECTION-** Remove any traces of packing material from the unit as such debris may create a fire or shock hazard. Unpack the unit with care and inspect for transit damage. If damage is suspected, the unit must not be used or tested, but should be returned to Paxton for investigation and the damage reported to the carrier.

**INSTALLATION-** Only qualified and trained personnel, familiar with this type of product and who fully understand these instructions should install, connect or test this equipment. There are no user serviceable parts within the PSU unit.

- The equipment is intended for indoor use only in dry locations.
- This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
- The installation must meet National Wiring Regulations and IEC60950-1 standards. A readily accessible disconnect device shall be incorporated in the building wiring to include a 2.5A rated circuit breaker with at least a 3.0 mm contact gap.



Paxton Access Ltd hereby declares that this product is in conformity with all the essential requirements of the Directive 2014/53/EU. <http://paxton.info/3685>

The full declaration of conformity is available on request. Contact details are provided at: <http://paxton.info/596>