

Sigma PSU with Cabinet S407

General

The power supply is for secondary power if the 230Vac disappears.

It is supplied with a main supply and a secondary supply (battery).

Normally it is used when a connected external unit, for example an aspirating smoke detector, uses more power than the control panel can deliver.

It is necessary to connect the aspirating smoke detector to a battery back-up device.

The device is fitted in a box that matches the Sigma XT control panel.



Technical specifications

Supply voltage:	230 Vac (+10%/-15%)
Output voltage:	27.5 VDC (temperature compensated)
Total output current:	3.5A max
Battery charge current:	1.25A max
Load current:	2.5A (with flat battery)
Battery capacity:	9Ah (2x 12V/9Ah batteries in series)
Mains fuse:	3 Amp 20mm HRC
Load fuse:	3 Amp (self resetting)
Operating temperature:	-5 to +50 °C
Common fault relay:	Change-over contact

Fig. 1, Indicators

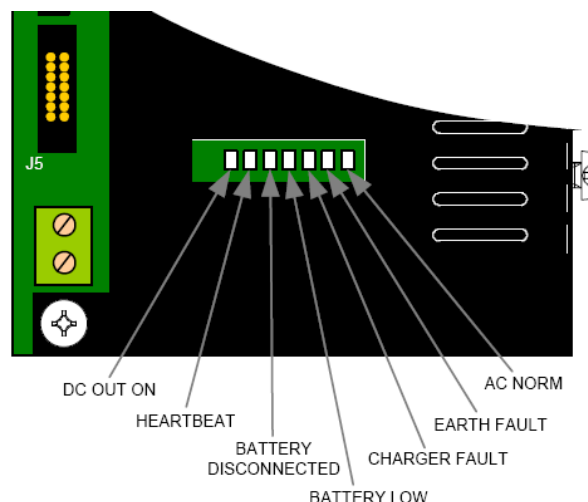
Indicators

DC OUT ON	24VDC Output ON
HEARTBEAT	Flashing, PSU OK
BATTERY DISCONNECTED	Battery disconnected
BATTERY LOW	Battery low, under 21V
CHARGER FAULT	Charge voltage too high
EARTH FAULT	24VDC connected to EARTH
AC NORM	Mains power connected

Other information:

H×W×D:	385×385×90 mm
Weight:	3.0 kg (no batteries)

Standard
Complies with EN54-4



Document:

540371 sigma psu cabinet s407.doc

Chapters:

Accessories

Id: MRP

Rev: 26.09.12



FIRE EATER 1/2

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Text

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Installation

Connect the device to the external unit (+, -) and 230Vac. See Fig. 2.

Connect the 'Fault signal' to the control panel (Fault input).

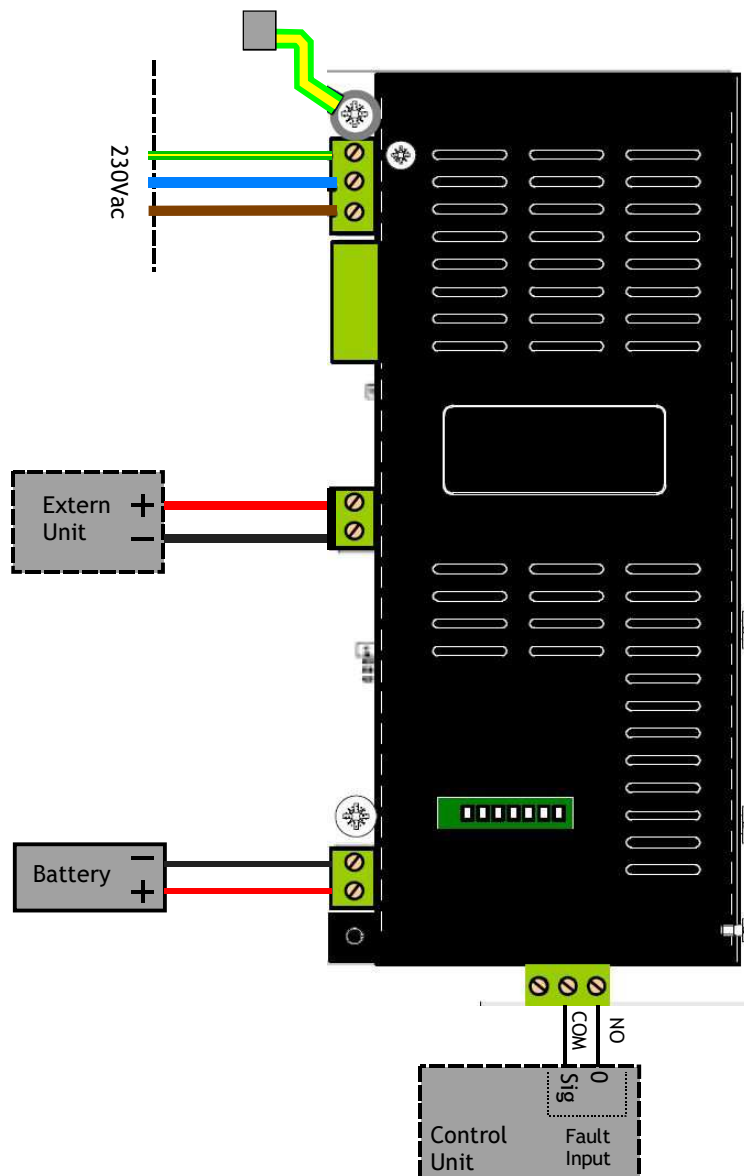
Connect the batteries to battery input.

Mount the temperature sensor on the top of the battery with the tape. See also Fig. 3.

When the system is running, it must be tested for transfer of fault to the control panel.

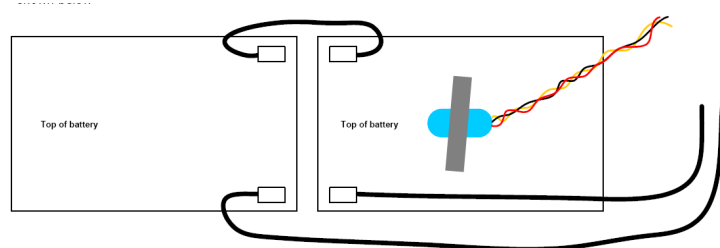
Disconnect the wire to the battery and check for 'fault' at the control panel.

Fig. 2, Electrical connections



The power must be switched OFF before installation.

Fig. 3, Temperature sensor



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