

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: | 7Ah (2x 12V/7Ah 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

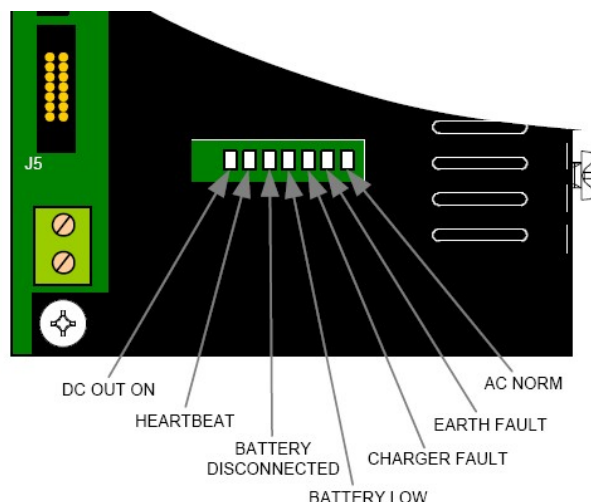
Indicators

| | |
|----------------------|--------------------------|
| 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: | 385×310×90 mm |
| Weight: | 3.0 kg (no batteries) |

Standard
Complies with EN54-4



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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).

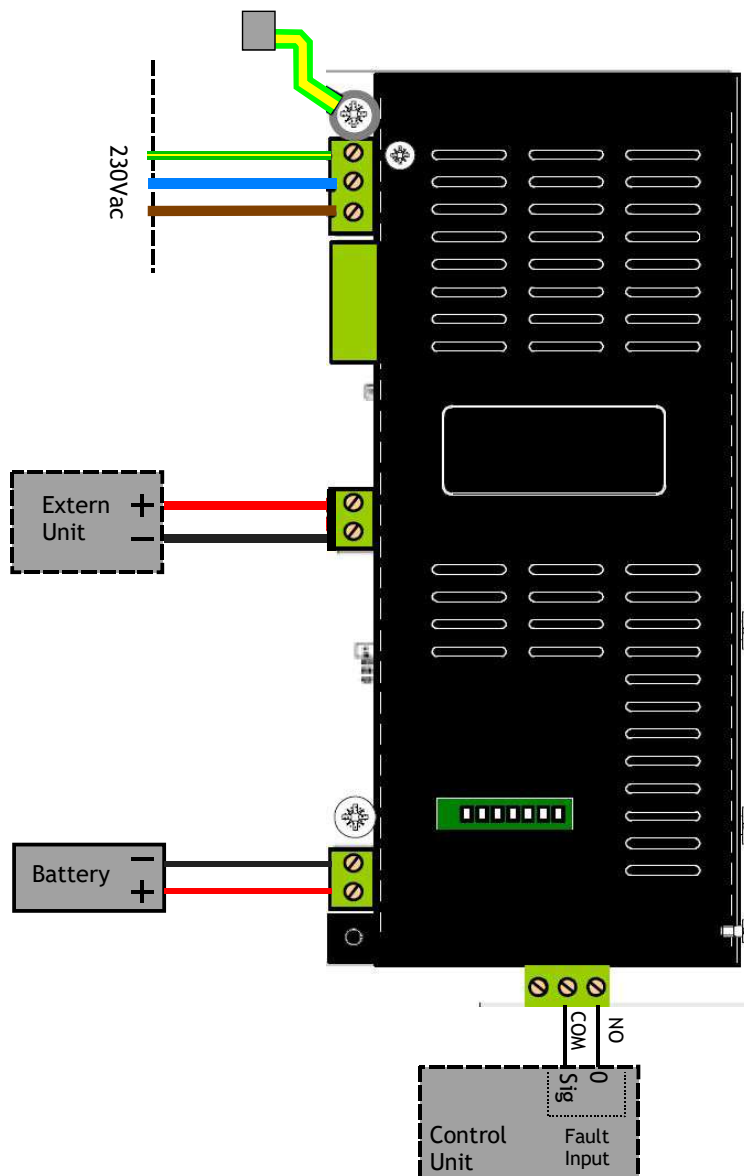
Connect the batteries to battery input.

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.

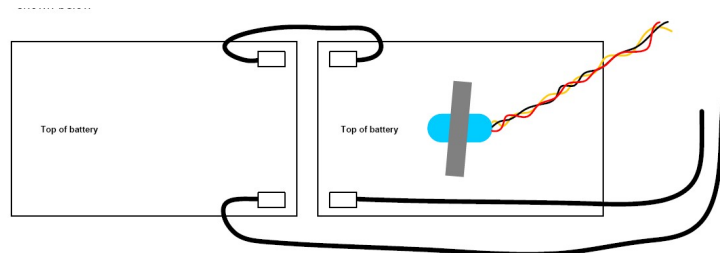
Disconnect the wire to the battery and check for 'fault' at the control panel.

Fig. 2, Electrical connections



The power must be switched OFF before installation.

Fig. 3, Temperature sensor



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Text

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