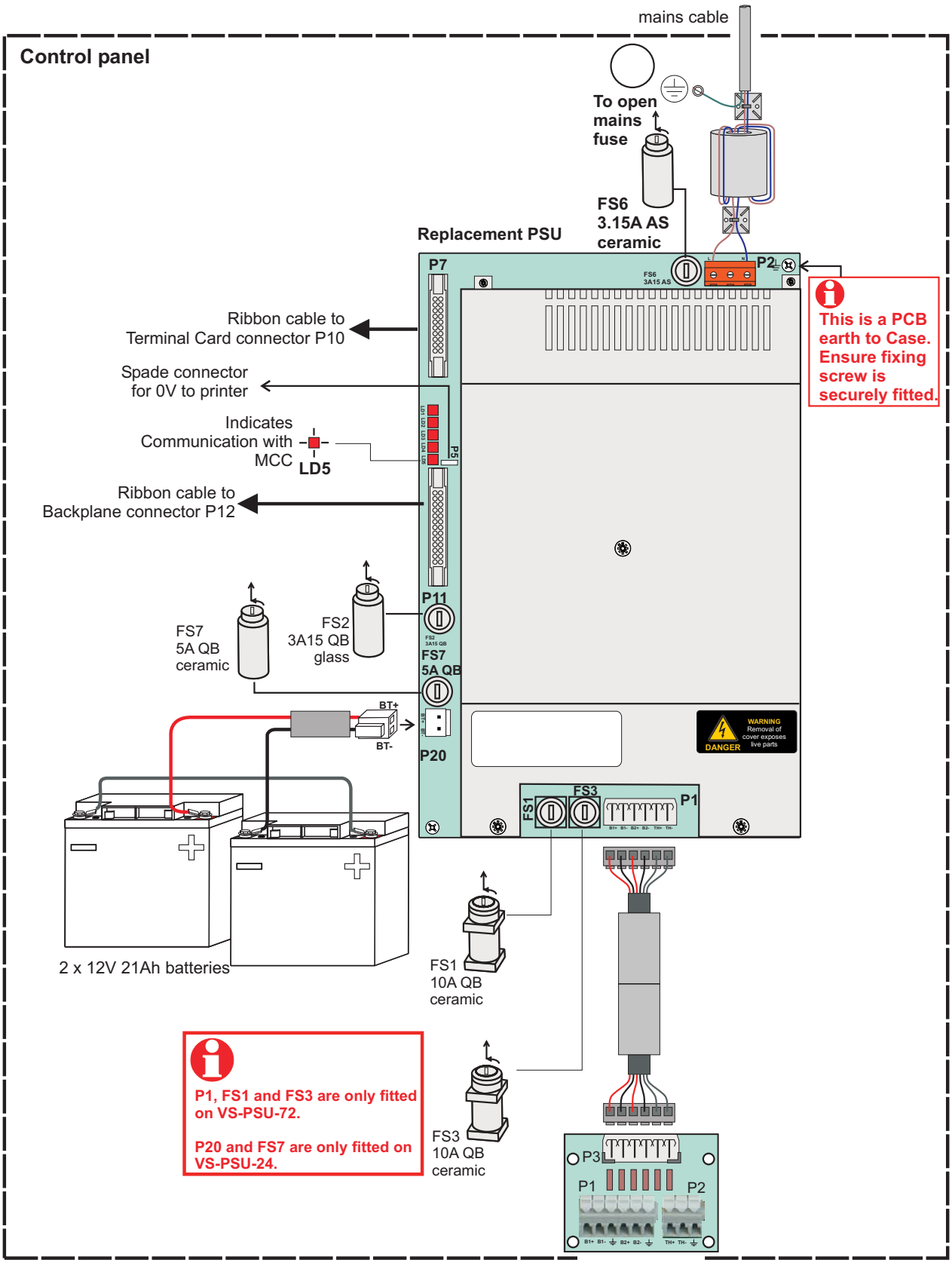
Installation

Replacement PSU for VIG1-24/72 (VS-PSU-24 and VS-PSU-72)

The replacement PSUs (VS-PSU-24 and VS-PSU-72) are suitable for installation in VIG1-24 and VIG1-72 Vigilon 4/6 loop fire alarm control panels.



To replace the PSU

The mains supply to the panel must be completely isolated before commencing PSU replacement work.

How to remove the existing PSU

a) Isolate the mains supply to the panel.

b) Open the outer and inner doors of the panel.

For safety remove the mains fuse from the mains terminal block inside the panel.

c) Disconnect the mains **Live** and **Neutral** wires at the PSU terminals P2.

d) Unplug the **cable** from socket on PSU:
For VIG1-24 panel unplug the **battery cable** from socket P20.
For VIG-1-72 panel then unplug the **battery filter cable** from socket P1.

e) For VIG1-24 panel only remove the batteries to assist removal of PSU.

f) Disconnect **ribbon cables** from connector P7 and P11 on PSU, then unplug the 0V (black) lead from spade connector P5 on PSU.

g) Remove the two screws that secure the **PSU module**, located top right and bottom left of the PSU module. Remove the PSU from the back box. Keep the fixing screws for later use.

How to fit the replacement PSU

a) Fit the **PSU module** in the back box and secure it using the original fixing screws.

b) Connect the **Live** and **Neutral** wires to PSU module terminals P2.

c) For VIG1-24 panel only re-install the **batteries** in the panel and ensure battery cables are fitted to the batteries.

d) Connect the **ribbon cables** from the backplane to socket P11 on PSU, terminal card to P7 on PSU and plug-in the 0V (black) lead to spade connector P5 on PSU module.

e) Plug-in the **battery cable** to socket on PSU.
For VIG1-24 panel connect the battery cable to socket P20
For VIG-1-72 panel connect the battery filter cable to socket P1.

f) Connect the **cable** to connector on PSU:
For VIG1-24 - **battery cable** to socket P20
For VIG-1-72 - **battery filter cable** to socket P1.

g) Insert the mains fuse in to the mains terminal block, connect and switch ON the mains power to the panel.

h) Carry out battery and PSU tests, such as disconnection and reconnection of battery circuit(s) and mains supply to check for fault monitoring.
The battery float voltage should be about:
27.5V @ 15 Deg C
27.3V @ 20 Deg C
27.1V @ 25 Deg C

i) Close the inner and outer doors of the panel.

At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre and in accordance with national or local legislation.

WEEE Directive:
At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre.
Do not dispose of with your normal household waste.
Do not burn.

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