Installation

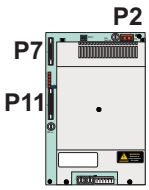
Upgrade Kit (VIG72-UPGR) for VIG1-24 panel

GENT by Honeywell

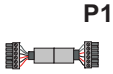
This upgrade kit (VIG72-UPGR) is designed for installation in a Vigilon panel (VIG1-24). It is used to convert a VIG1-24 panel to VIG1-72 panel. The kit consists of a 72Hr PSU module for charging up to 8 x 21Ah batteries installed in a remote battery box. It consists of parts ① to ⑤.

The upgrade will achieve standby duration to be extended from 24 hours to up to 72 hours plus 0.5hr alarm load. This is made possible with appropriate number of batteries in the battery box for the required system load.

Additional batteries - 4 x 12V 21Ah are available on part number VIG-72-BATT. The battery loop load calculator must be used to determine the battery capacity required for the system to meet the standby duration.

① 

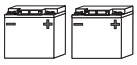
x 1 72Hr PSU Module

② 

x 1 Battery filter cable

③ 

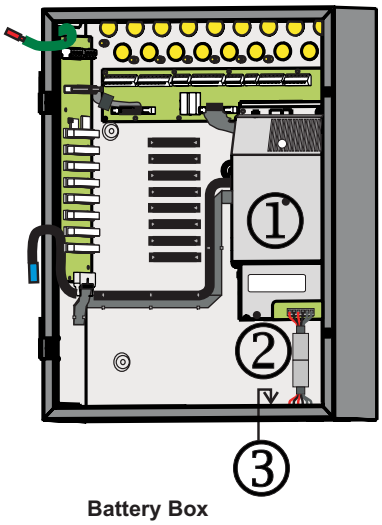
x 1 Battery Terminal Card (with 1- fixing screw)

④ 
x 2 - 12V 21Ah Battery

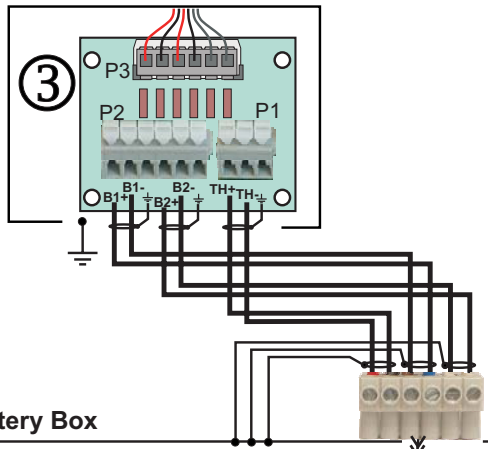
⑤ 
x 1 Battery box

x 1 Instructions

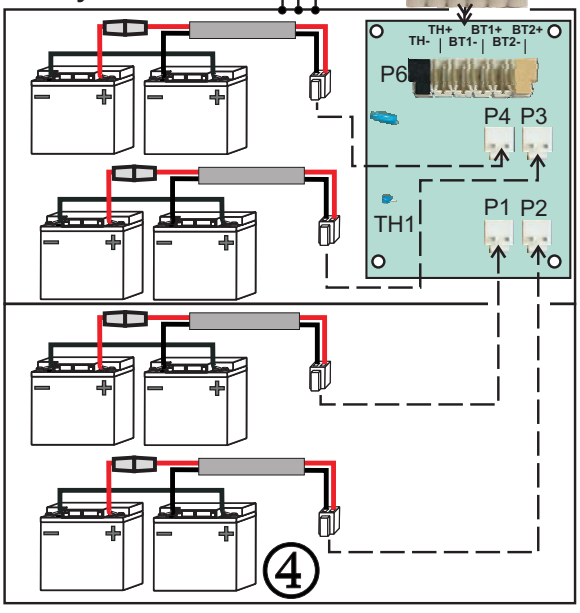
Control Panel



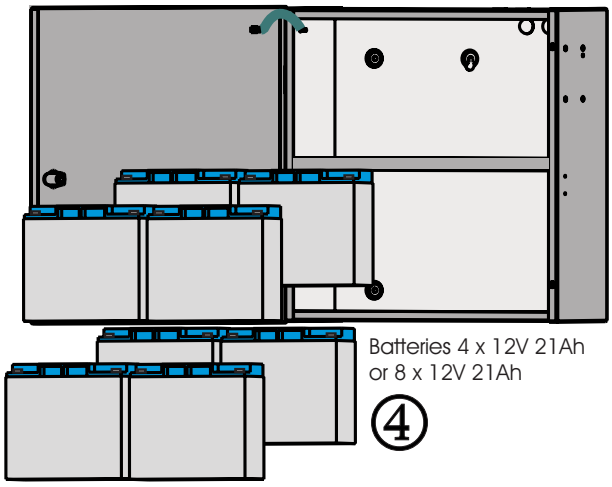
Control Panel



Battery Box



⑤ Battery Box



The panel will only power up after the mains supply is switched **on**.

To Upgrade the PSU

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

How to remove the existing PSU and batteries

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 terminal block P2.

d) Disconnect the two batteries and remove them from the panel, keep them in a safe place until required.

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

f) Unplug the **Battery cable** from socket P20 on PSU.

g) Remove the **PSU module** fixing screws and remove the PSU from the back box. Keep the fixing screws for later use.

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.

How to fit the PSU Upgrade Kit

a) Connect one end of the **Battery filter cable** ② to connectors P3 on the Battery terminal card③.

b) With the terminal block towards the front, fit the **Battery terminal card** ③ onto the base of the back box and secure it using a **screw** supplied.

c) Fit the **PSU module** ① into the back box and secure it using the original fixing screws.

d) Connect the other end of **Battery filter cable** ② to connector P1 on PSU.

e) Reconnect the **Live** and **Neutral** wires to PSU module terminal block P2.

f) Reconnect the **Ribbon cables** from the backplane to socket P11 on PSUand terminal card to P7 on PSU. Plug in the 0V (black) lead to spade connector P5 on PSU module.

g) Install the **Battery box** ⑤ underneath the panel or if installed in a remote location then no more than 10m/15m cable distance away from the panel, when using 1.5mm /2.5mm fire cable, such as MICC.

Ensure adequate fixtures and fittings are used for the type of construction surface onto which a battery box is to be mounted to support a weight of up to 56Kg.

h) Follow the instructions supplied in the battery box to make the connection between the panel and battery box. The instructions show how to correctly install the batteries inside the box.

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

j) Carry tests of disconnection and reconnection of battery circuit(s) and mains supply to check fault monitoring.
Ensure that the charger ADC- battery ADC is <5bits (e.g. BC1-BT1< 5).
Also the battery float voltage should be about:
27.5V @ 15 Deg C
27.3V @ 20 Deg C
27.1V @ 25 Deg C

k) Close the inner and outer doors of the panel and the outer door on the battery box.

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