



GENT
by Honeywell

ICONIC PANEL

ICN2

Commissioning

Content

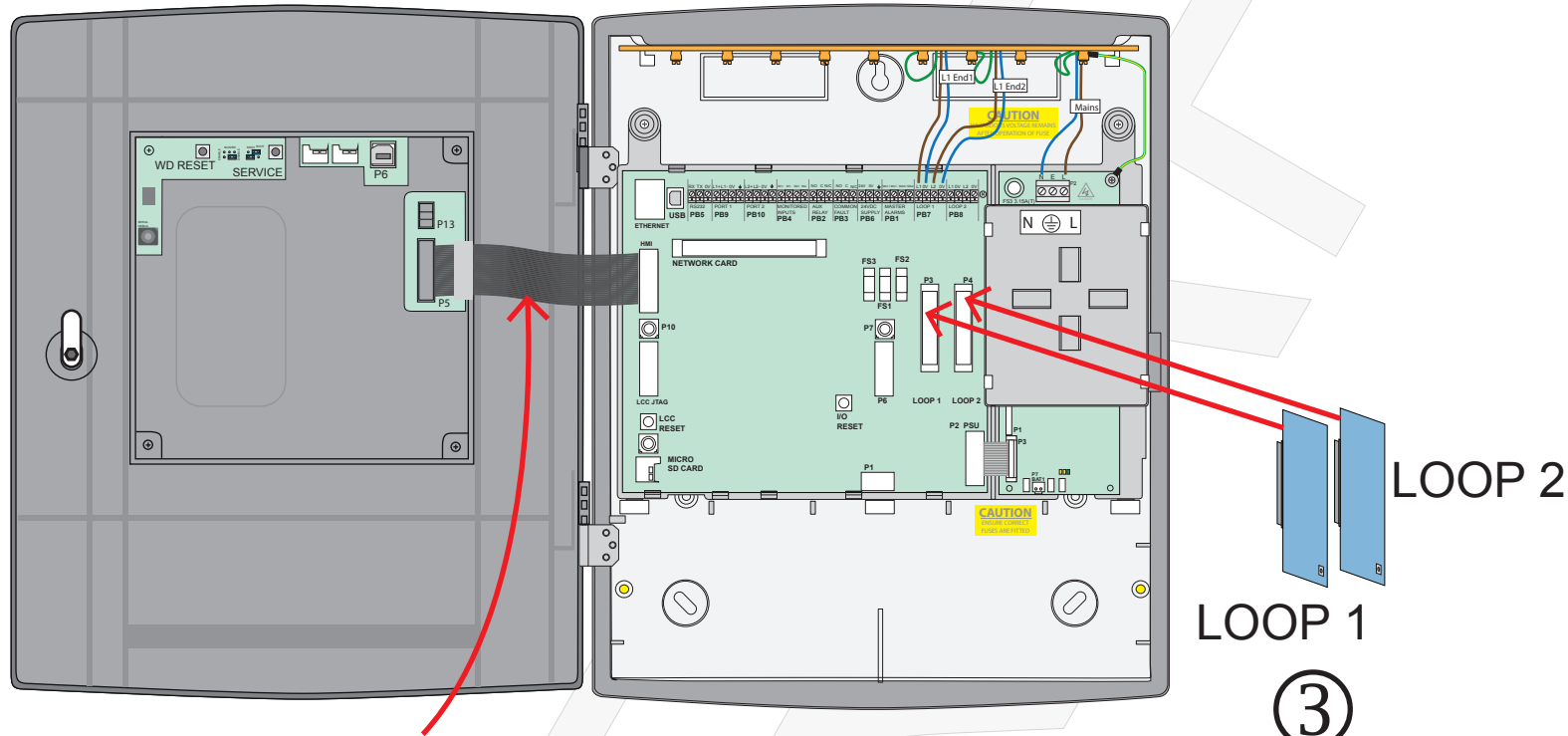
ICONIC Panel based system.....	3
Iconic panel - boxed Items.....	4
Technical Data.....	5
Panel mounting height.....	6
Semi Flush fixing.....	7
Cable entry points recommendations.....	8
Wiring terminals.....	9
Door assembly.....	10
Cable termination (Soft skin cable).....	11
PCB Carrier installation.....	12
Mains Supply to the Panel.....	13
Device Loop.....	14
Master Alarms.....	15
Common Fault Relay.....	16
Auxiliary Relay.....	17
Monitored inputs.....	18
24V Supply.....	19
RS232.....	20
Repeat Display Units.....	21
Copper Network.....	22
Fibre Cable routing.....	23
Fibre Network.....	24
Notes.....	25

Preface

This is the first issue of the installation instructions for an Iconic panel having a metal enclosure.

Loop Card Installation

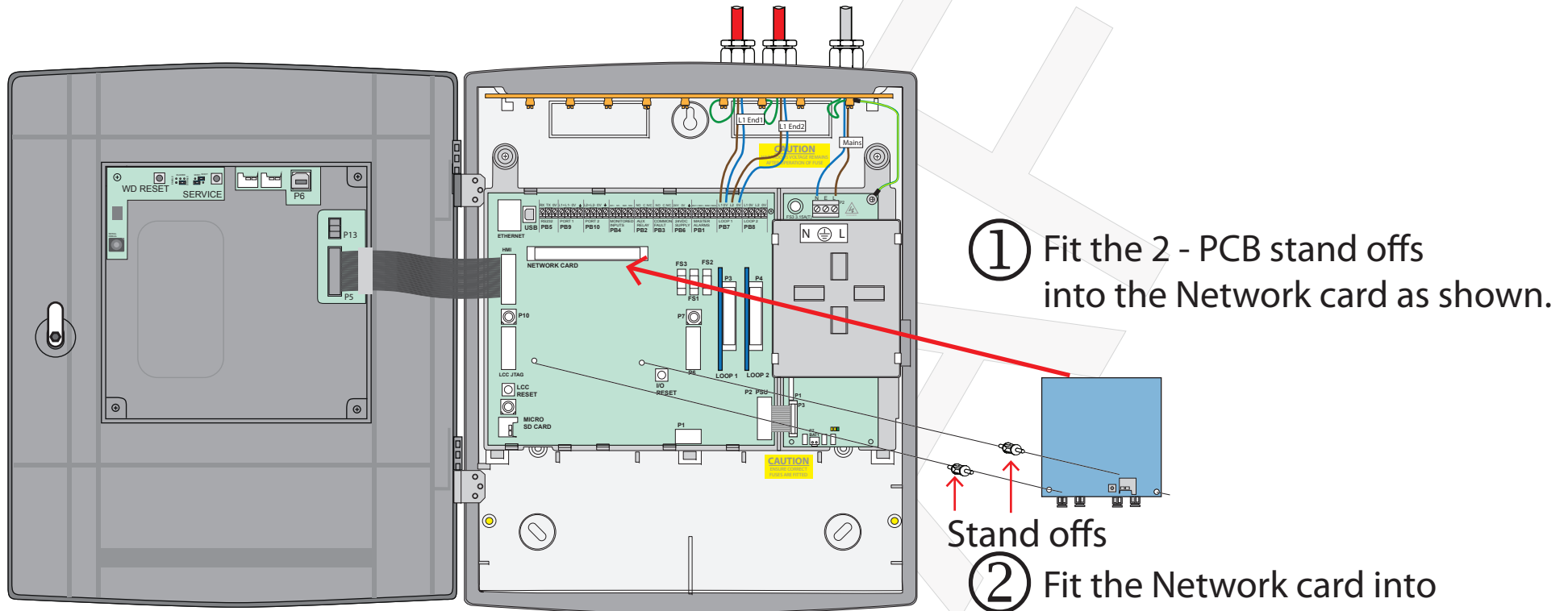
① Open the front door



② Connect ribbon cable to the HMI and Baseboard.

③ Fit Loop cards into their respective loop sockets, 'loop 1' and 'loop 2' into the Baseboard.

Network Card Installation



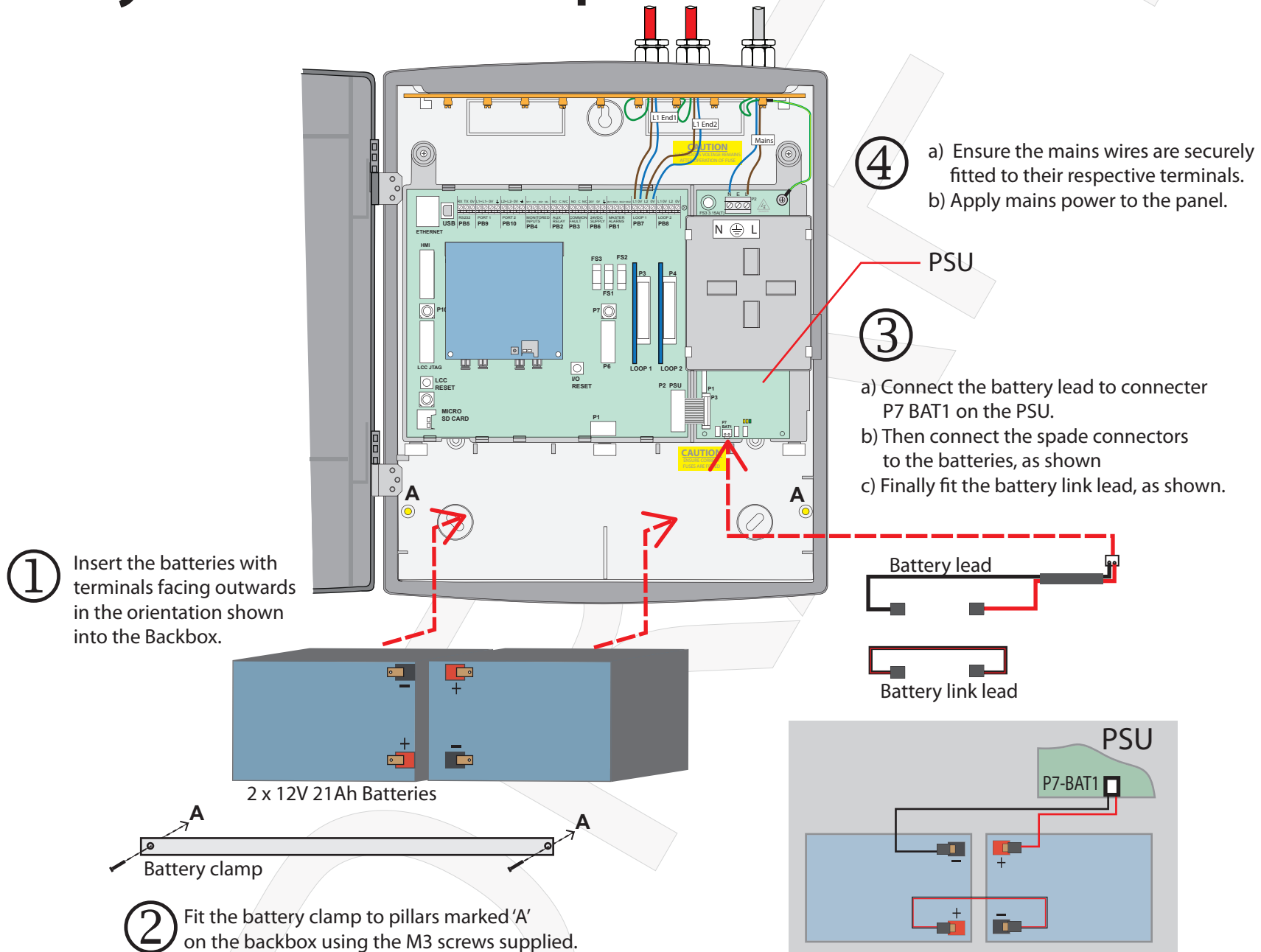
① Fit the 2 - PCB stand offs into the Network card as shown.

Stand offs

② Fit the Network card into socket marked 'Network Card' in to the Baseboard.

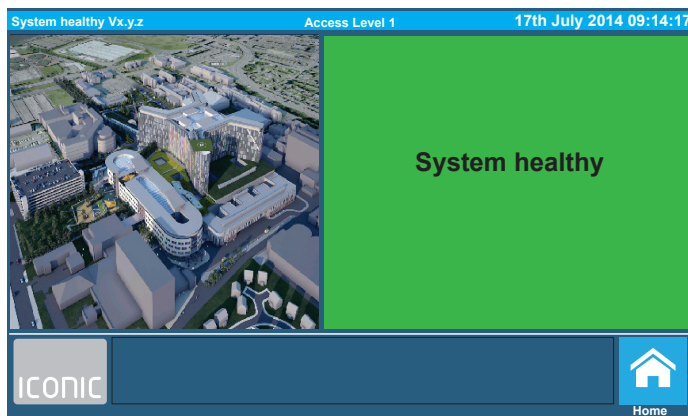
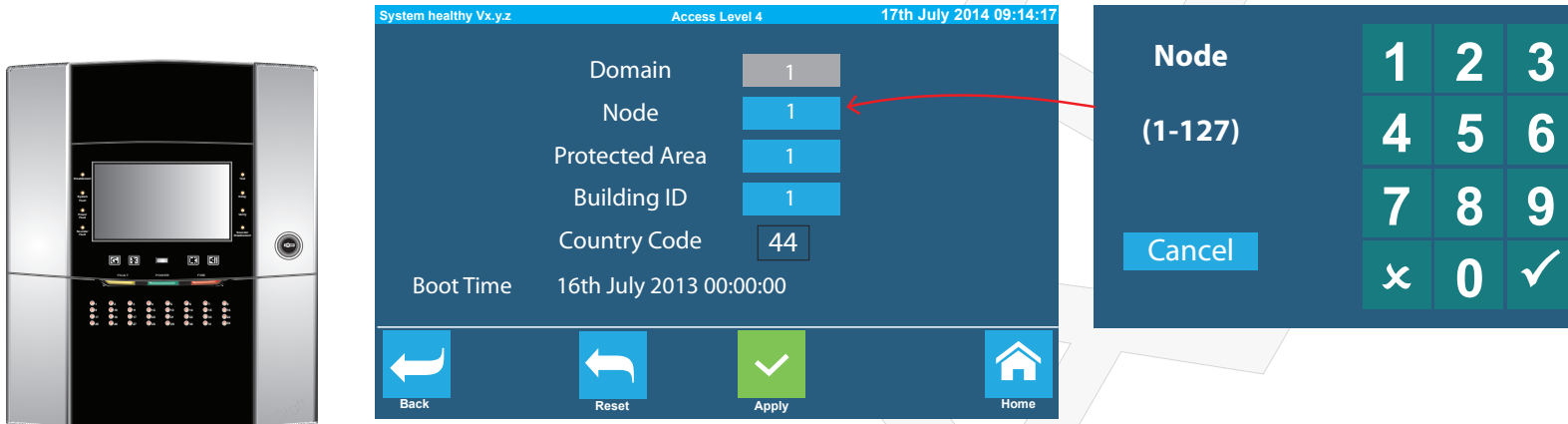
Ensure the stand offs are seated correctly into the holes in the Baseboard.


Battery and Mains power



Power up settings

NOTE: The panel is powered up during the Commissioning of the Iconic system.
Enter the required Domain and Node addresses, this is a minimum requirement for power up.



- ① Select Domain and using the screen keypad enter a domain address from a range (1-31) and then select ✓ to enter.
- ② Similarly enter a Node address from a range (1-127), Protected Area from a range (1-127) and Building ID from a range (1-255).
- ③  Select Apply to accept the entries made.

If there are no issues on the system then a 'System healthy' message is displayed.

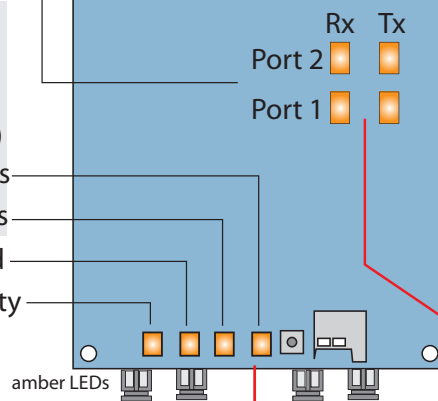
Internal Indications and what they mean

Port 1 / 2 Rx and Tx - LEDs
give a flashing indication to show there is communication

Port 1 / 2 status LEDs:
Slow flash: Port not negotiated.
Steady ON: Port negotiated (slave node)
Fast flash: Port negotiated (master node)

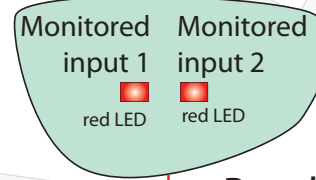
Port 2 status
Port 1 status
Ethernet (HMI) PHY connected
Ethernet (HMI) activity

Network Card



Monitored input 1 or 2

Open circuit - LED OFF
Normal indication - normally lit and flashing
Short circuit - brightly lit and flashing

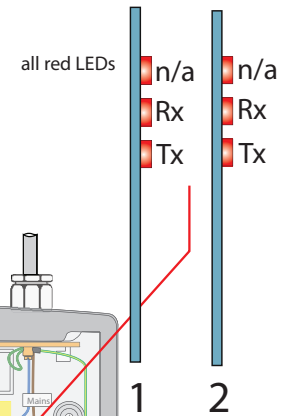


Baseboard

Loop cards

Rx and Tx - LEDs give a flashing indication to show there is communication between the main and loop microprocessors.
n/a - this LED is not used

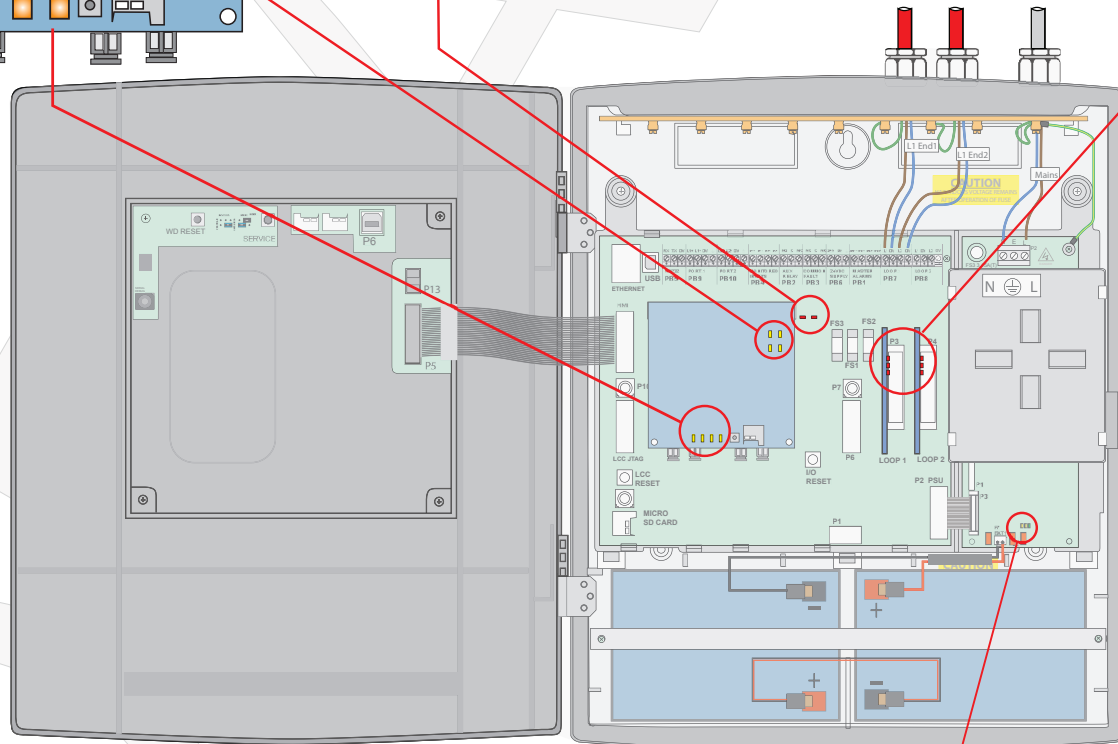
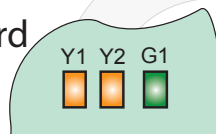
Loop cards



Description	Y1 yellow LED	Y2 yellow LED	G1 green LED
Normal			fast pulse
Mains out of limit			slow pulse
24VDC failure only		fast pulse	fast pulse
Battery 1 failure only		slow pulse	fast pulse
Battery 1 and 24VDC failure		slow pulse	fast pulse
43VDC failure only	fast pulse		fast pulse
No power to PSU			
Earth fault only	On	On	On

PSU Board

On initial power up all 3 LEDs remain on for 1s.



Card(s) and HMI firmware upgrade

Card firmware upgrade

Take steps ①②... from the Top page.



Home



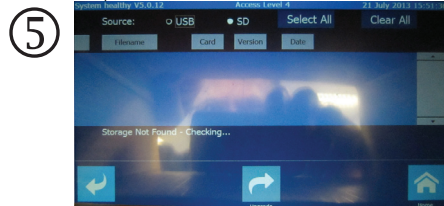
Engineering Access

This is an Access Level 4 operation.

③ Insert the USB stick into the socket on the panel front cover or SD card into socket 'P8 SSD' on the panel's HMI board. Ensure latest card firmware files are on USB or SD card.



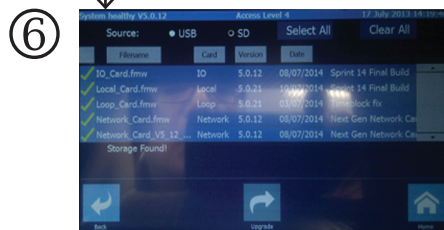
Firmware Upgrade



Select either SD or USB radio button

Firmware files:

- IO_Card.fmw
- Local_Card.fmw
- Loop_Card.fmw
- Network_Card.fmw



Select firmware files for modules (Cards) to be upgraded. Ensure red cross **x** turns to a green tick **✓**



Select Upgrade. Note messages appear to show progress of file transfer between memory stick / SD card and cards within the panel.

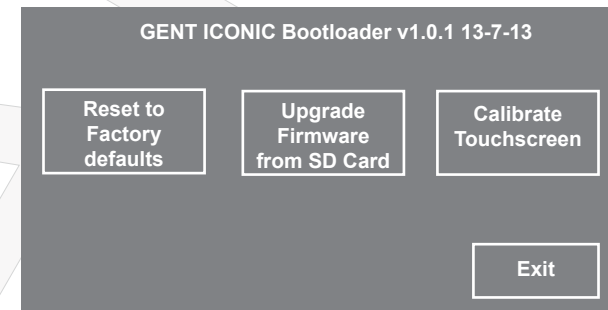
HMI firmware upgrade

Take steps ①②...

① Insert SD card into 'P8 SSD' on the HMI board.

Press and HOLD the **Service** button on the HMI PCB.

② Press once on the **WD Reset** button on the HMI PCB and then release the **Service** button, the following screen is displayed:



HMI Firmware files:
 boot.enc
 kernel.enc

③ Select **Upgrade Firmware from SD Card**, note a 4 stage progress starts as bootloader is loaded, kernel loaded with files copied to cards followed by Auto Reset.

④ Click on the ICONIC logo to view HMI firmware version.

⑤ Remove the SD card from 'P8 SSD' on the HMI PCB.

Iconic system Configuration

How to download, upload, backup and distribute SSD

Take steps ①②... from the Top page.

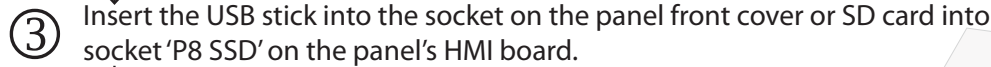


Home



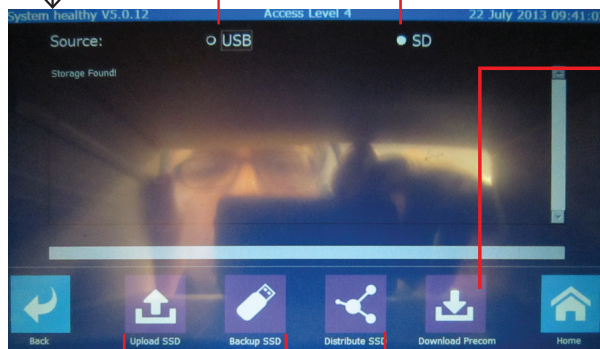
Settings

This is an Access Level 3 operation.



Manage SSD

⑤ Select USB or SD for upload, back up, precom or distribution



Download Precom

Select this option to download precom data from the panel to USB or SD card. Only precom data is downloaded, like the loop map.

⑥ d



Distribute SSD

Select this option to distribute and upload SSD from the USB or SD at a panel to itself and other panels in a network. This assumes the SSD for the respective panels in a network is on the USB or SD.



Upload SSD

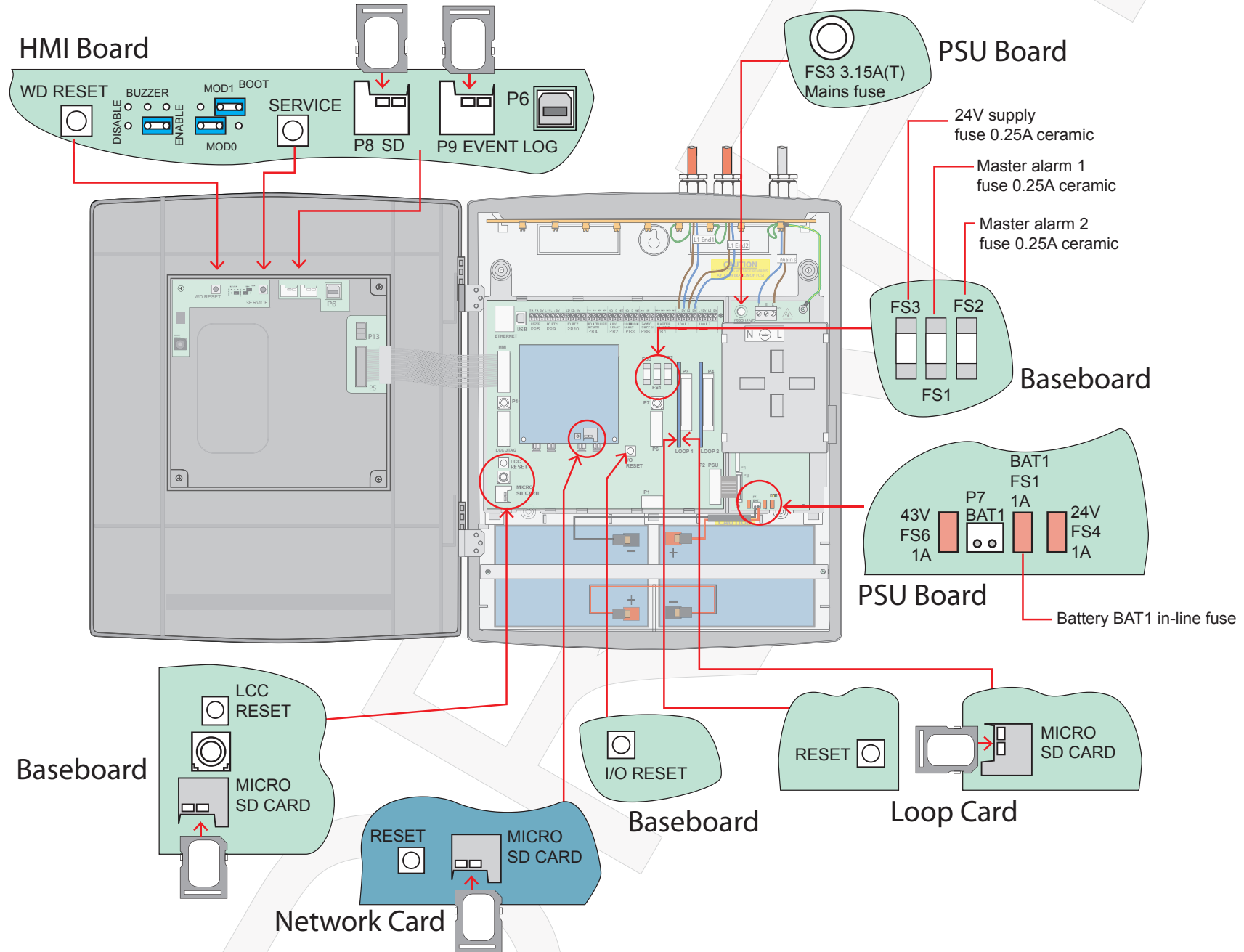
Select this option to upload SSD from the USB or SD card to the connected panel.



Backup SSD

Select this option to back up panel's SSD to USB or SD card.

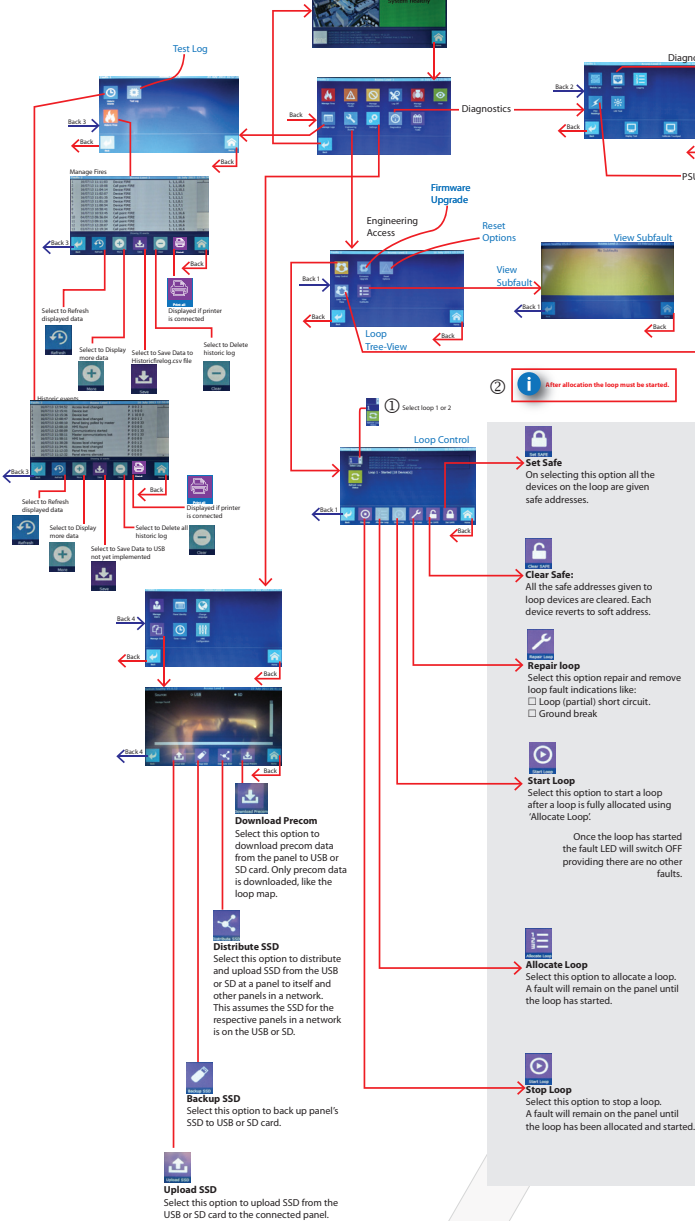
Switches, Links, Fuses and SD sockets



AL3 and AL4 options

AL3 options shown

All Access level 1 and 2 options are accessible at Access level 3



Tree view of a system
Select + symbols to view nodes in the domain, loops on a node and devices on a loop.

Find a device
Select device in the tree view and then select 'Find Device'.

Select the following to stop Find Device.

More information
Select a device in the tree view and then select 'More info' to view information about the device.

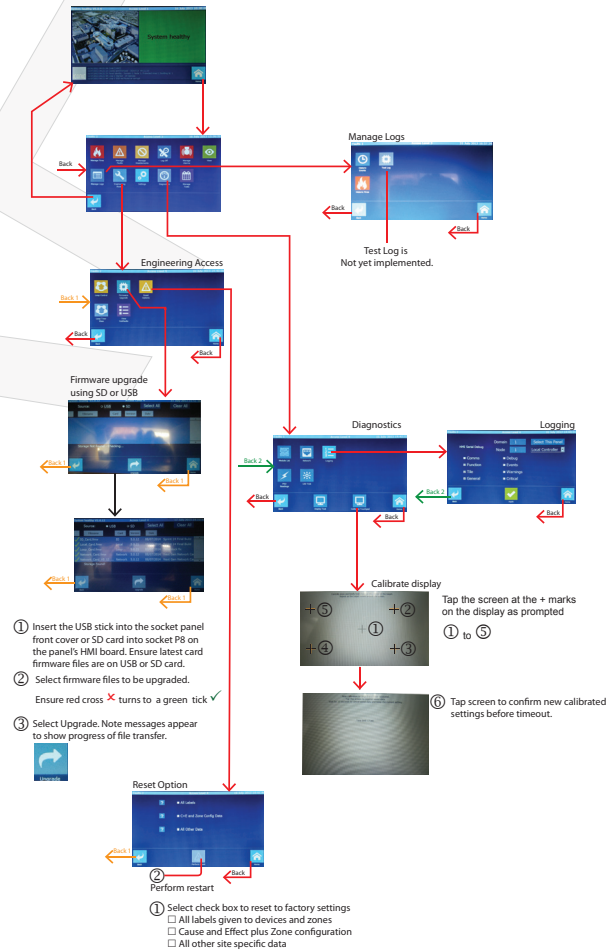
Example:

To exit select OK

Clear Code
Select a device in the tree view which has condition codes and then select 'Clear Code' to remove the condition codes associated with the device.

AL4 options shown

All Access level 1, 2 and 3 options are accessible at Access level 4





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.



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.

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