NOTIFIER®

by Honeywell

CLSS Configuration Tool
User Guide

CONTENTS

CONVENTIONS

Where appropriate, in this manual there are advisory notes, warnings and cautions to remind you to consider safety at all times.

(!) This symbol precedes a note that highlight important information that is normally hidden in the main text.

⚠ This symbol precedes information that warns of danger that may result in serious injury or death, also used as a caution to prevent damage to the equipment.

EN54 This symbol precedes information about compliance with standard(s).

ABBREVIATIONS

CIE	Control and Indicating Equipment
C&E	Cause and Effect
CLSS	Connected Life Safety Services
CPU	Central Processing Unit
E10	Smaller size Notifier INSPIRE Panel
E15	Larger size Notifier INSPIRE Panel
FARE	Fire Alarm Routing Equipment
FAT	Feuerwehr-Anzeigetableau #
FBF	Feuerwehr-Bedienfeld #
FRE	Fault Routing Equipment
FPE	Fire Protection Equipment
FPO	Fire Protection Output
HMI	Human-Machine Interface
IO or I/O	Input or Output
LED	Light Emitting Diode (light)
MCP	Manual call point
PSU	Power Supply Unit
TPP	Third Party Protocol
VAD	Visual Alarm Device
MA	Managed Area

For use only in Germany and Belenux.

Introduction

The CLSS Configuration Tool is used to configure a Notifier INSPIRE Panel based system. The Panel is the main Control and Indicating Equipment (CIE) of a fire detection and alarm system installed in building on a customer site. A complete system Cause and Effect can be configured to site requirement using the Tool for upload to the Panel.

Prerequisites

To facilitate configuration of an Notifier INSPIRE Panel based system you will need:

- A standard Windows 10 professional machine or Windows 11 machine **#**, having compatible CLSS Configuration Tool software and internet connectivity.
  # at the time of writing this manual Windows 11 was being validated.
- A laptop with compatible CLSS Configuration Tool software and internet connectivity.
- A CLSS account having Customer, Site and Building entered in the CLSS Site Manager Cloud portal
  Note: A CLSS customer account person including its customer employees have their own log in details. Access to CLSS Configuration Tool, CLSS Portal and CLSS App share the same log-in details.
- A RJ45 Cat 5/6 straight Ethernet lead that is 2 m long, used to connect laptop to the Panel.
- Configuration plan as agreed with interested parties and to include Alarm and Output operations in buildings and managed areas and identification labels given to loop devices, input/outputs, zones and Panel Modules required, refer to local standards.
- Customer Site account details to include Log-In credentials to the Tool, for configuration and licensing the Panel.
- Contact information, customer logo image file for upload to appear on Panel SAFE screen.
- Where required, the zipped Panel firmware file must be saved on a USB stick under a HONEYWELL label. The USB stick must have been formatted to FAT32.

CLSS Configuration Tool

The Tool requires Windows 10 and Administrator privileges to your laptop.

TO INSTALL

See Appendix B 'Troubleshooting'.
The Tool software is accessible to registered users via landing page:
https://hwll.co/HOP-431-100

> **!** A previously installed version of CLSS Configuration Tool must first be uninstalled before installation of updated Tool software, see 'To UNINSTALL'.

01   Download the zipped Tool software file and save it to desktop.

02   Double click on the zipped file and follow the on-screen instructions to install the Tool.

> **!** If 'aspnetcore runtime' or 'dotnet runtime' failure messages appear during installation of Tool software then the recommendation is to continue with the installation.

TO UNINSTALL

To uninstall the Tool:

01   Ensure you have logged of the Tool before Uninstall. Go to Windows -> Control panel -> Programs and Features.

02   Select CLSS Configuration tool from the list of installed application and click on Uninstall. Then follow the on-screen instructions.

COMPATIBILITY
Check to ensure the Tool software is compatible with the Notifier INSPIRE Panel firmware.

CLSS Configuration Tool software version	Panel CPU firmware version
V 1.2.1	V 1.2 1

PRESENT LIMITATIONS
The version of Panel and Tool software stated has the following limitations:

▫ Zone across loops and panels are not supported.

▫ There can be a maximum of up to 8 loops per panel
   – addresses up to 159 intelligent OPAL detectors and up to 159 OPAL modules per loop
   – addresses up to 99 legacy CLIP detectors and up to 99 legacy CLIP modules per loop
   System is approved to VdS2540 with 99 detectors + 99 modules per loop

▫ Limitation of 99 detectors + 99 modules for Mixed Networks

▫ 255 Detection Zones, 255 Control Zones and 255 Alarm Zones and ~~200~~ 1000 C&E Rules per Site and 3000 Zones per Site.

▫ If an existing Site is deleted and a new Site is added in the Tool, then it is recommended to wait for 5 minutes before reading configuration from Panel, for the read configuration to be successful.

▫ Up to 512 ~~250~~ Cause and Effects are supported per panel ~~site~~.

▫ Up to 50 zones/points per Cause and Effect Rule are supported.

▫ Zones shall not be associated with Fire Routing Equipment (FRE).

▫ Up to 3 Repeater~~s~~ / Mimic panels in any combination can be connected to one channel a Serial Communication Module. A panel can be either an indicator only or indicator with controls.

▫ In a Control Zone you can configure either Fire Protection Output (FPO) or CONTROL OUTPUTS, not both.

▫ A loop cannot be part of more than one Managed Area.

▫ The country is shown as UK in the 1.2.1 Configuration Tool when configuration is read from 1.1 Panel having a different country setting.

▫ A Mixed Network where ID3K panel having legacy Repeaters will only support 99+99 loop configuration.

▫ In a Mixed Network an Inspire panel will not display correct information for remote ID3000 panels.
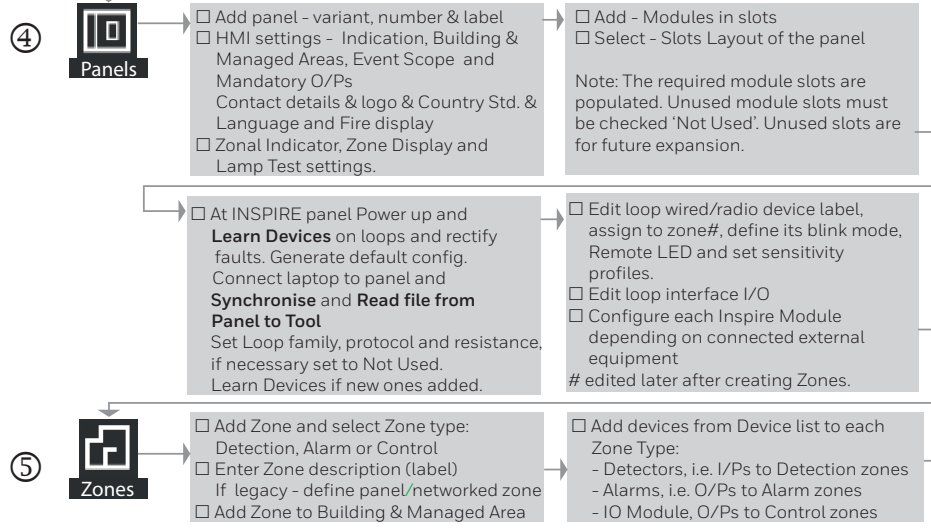
Configuration process

A Notifier INSPIRE system must be configured to site specific requirements in accordance with applicable standards using the features of this Tool. A recommended eleven steps process shown below will assist with configuration. You will need the site's Cause and Effect matrix along with labels schedule and as fitted wiring drawings.

⚠ **Ensure any changes to the configuration are saved when prompted by the Tool.**

① Run the CLSS Configuration Tool on laptop (Laptop must be connected to Internet and VPN disconnected)
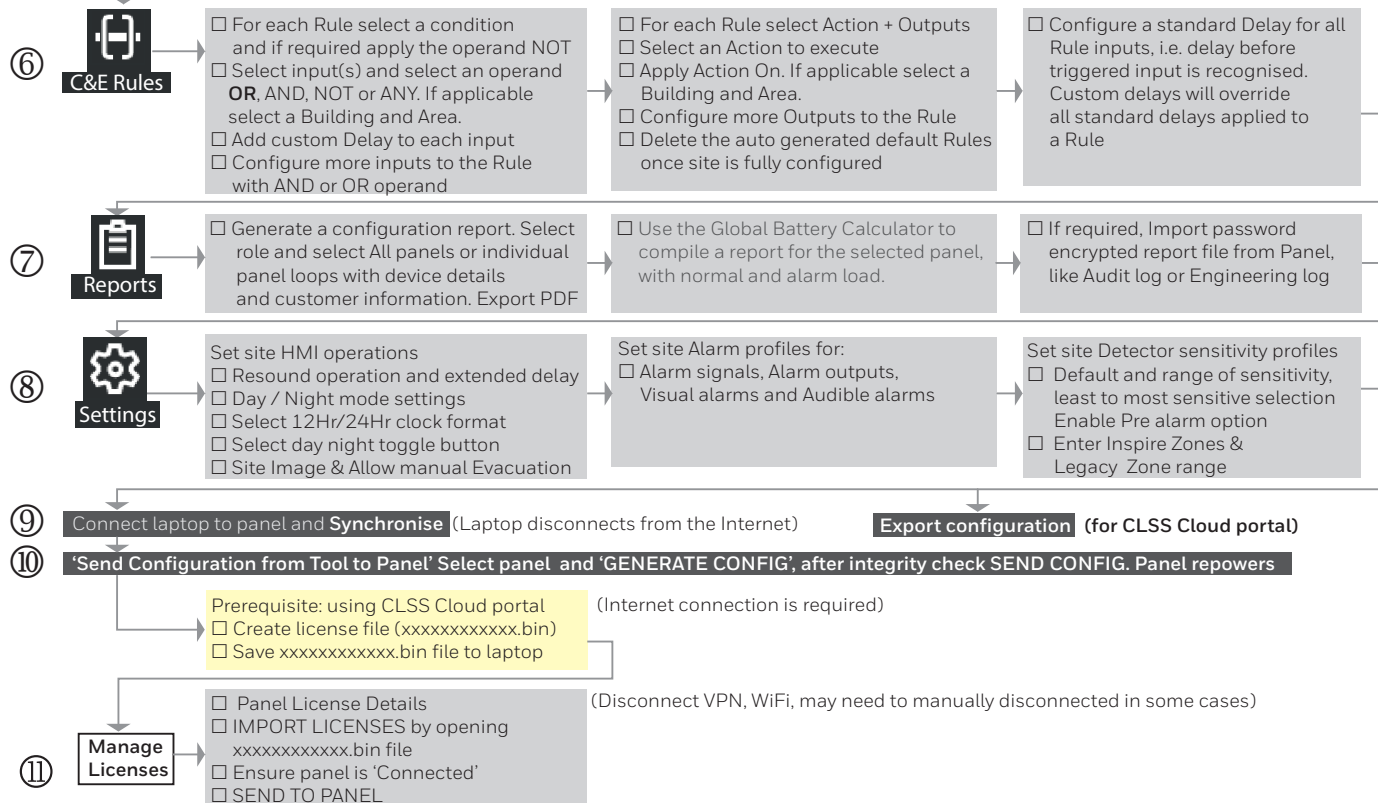
② SIGN IN (Using CLSS Cloud Log In)

③ GOTO SITE or Add Site (For Add Site – select a Customer and a Site, both downloaded from CLSS Cloud)

④ **Panels**

☐ Add panel - variant, number & label
☐ HMI settings – Indication, Building & Managed Areas, Event Scope and Mandatory O/Ps
  Contact details & logo & Country Std. & Language and Fire display
☐ Zonal Indicator, Zone Display and Lamp Test settings.

☐ Add – Modules in slots
☐ Select – Slots Layout of the panel

Note: The required module slots are populated. Unused module slots must be checked 'Not Used'. Unused slots are for future expansion.

☐ At INSPIRE panel Power up and **Learn Devices** on loops and rectify faults. Generate default config. Connect laptop to panel and **Synchronise** and **Read file from Panel to Tool**
Set Loop family, protocol and resistance, if necessary set to Not Used.
Learn Devices if new ones added.

☐ Edit loop wired/radio device label, assign to zone#, define its blink mode, Remote LED and set sensitivity profiles.
☐ Edit loop interface I/O
☐ Configure each Inspire Module depending on connected external equipment
edited later after creating Zones.

⑤ **Zones**

☐ Add Zone and select Zone type: Detection, Alarm or Control
☐ Enter Zone description (label) If legacy – define panel/networked zone
☐ Add Zone to Building & Managed Area

☐ Add devices from Device list to each Zone Type:
  – Detectors, i.e. I/Ps to Detection zones
  – Alarms, i.e. O/Ps to Alarm zones
  – IO Module, O/Ps to Control zones

Configuration process

⑥ C&E Rules

☐ For each Rule select a condition and if required apply the operand NOT
☐ Select input(s) and select an operand **OR**, AND, NOT or ANY. If applicable select a Building and Area.
☐ Add custom Delay to each input
☐ Configure more inputs to the Rule with AND or OR operand

☐ For each Rule select Action + Outputs
☐ Select an Action to execute
☐ Apply Action On. If applicable select a Building and Area.
☐ Configure more Outputs to the Rule
☐ Delete the auto generated default Rules once site is fully configured

☐ Configure a standard Delay for all Rule inputs, i.e. delay before triggered input is recognised. Custom delays will override all standard delays applied to a Rule

⑦ Reports

☐ Generate a configuration report. Select role and select All panels or individual panel loops with device details and customer information. Export PDF

☐ Use the Global Battery Calculator to compile a report for the selected panel, with normal and alarm load.

☐ If required, Import password encrypted report file from Panel, like Audit log or Engineering log

⑧ Settings

Set site HMI operations
☐ Resound operation and extended delay
☐ Day / Night mode settings
☐ Select 12Hr/24Hr clock format
☐ Select day night toggle button
☐ Site Image & Allow manual Evacuation

Set site Alarm profiles for:
☐ Alarm signals, Alarm outputs, Visual alarms and Audible alarms

Set site Detector sensitivity profiles
☐ Default and range of sensitivity, least to most sensitive selection Enable Pre alarm option
☐ Enter Inspire Zones & Legacy Zone range

⑨ Connect laptop to panel and **Synchronise** (Laptop disconnects from the Internet)　　**Export configuration** **(for CLSS Cloud portal)**

⑩ 'Send Configuration from Tool to Panel' Select panel and 'GENERATE CONFIG', after integrity check SEND CONFIG. Panel repowers

Prerequisite: using CLSS Cloud portal　　(Internet connection is required)
☐ Create license file (xxxxxxxxxxxx.bin)
☐ Save xxxxxxxxxxxx.bin file to laptop

⑪ Manage Licenses

☐ Panel License Details
☐ IMPORT LICENSES by opening xxxxxxxxxxxx.bin file
☐ Ensure panel is 'Connected'
☐ SEND TO PANEL

(Disconnect VPN, WiFi, may need to manually disconnected in some cases)

Run Configuration Tool

⚠️ You will need Internet connection to use the Tool. This allows the Tool to connect to CLSS Site Manager Cloud portal for Customer Site, Building and Panel details.

The Tool has 'authentication evidence' stored locally for Tool and Panel to communicate. On a daily basis the recommendation is to log-in to the Tool using your unique credentials whilst connected to the internet. To do this you must first log out of the Tool. This ensures the 'authentication evidence' is refreshed at the Tool. The 'authentication evidence' is valid for up to 7 days default / 30 days configurable, so it is important to refresh it ahead of Tool use off line.

To view the number of days left click on the ⦙⦙⦙ waffle icon and look above LOGOUT in the pop up.

SIGN IN AND GOTO SITE

A prerequisite to configuring an Notifier INSPIRE Panel based system is to have an credentials created using Honeywell CLSS account to create a Customer and Site, using the Honeywell CLSS Site Manager Cloud portal

01   Ensure VPN is disconnected before running the CLSS Configuration Tool.
Run the Tool by selecting this Tool icon on desktop:

02   Select **SIGN IN** and enter the same Log in credential as used to access CLSS Site Manager Cloud portal.
If you do not have an Account then contact your CLSS Admin for Log-in credential.

03   Once logged-in to the Tool select an Active Site and then select **GO TO SITE >**.

If creating a new site then select ⊕ **Add Site,** see 'Add Sites'.

Customer Account

Refer to the 'Licensing a Notifier INSPIRE Panel using CLSS' user guide (4188-1124-EN) for information on how to set up a Customer Site, Building and Panel using CLSS Site Manager Cloud portal.

TOOL VERSION

At any time you can view the CLSS Configuration Tool software version.

01   Click on the 👤 to view the Tool version. Check the Tool version is compatible with the Panel that is to be configured, see 'Compatibility'.

VIEW ALL SITES

At any time you can view all your Customer Sites

01   Click on the 👤 ▬ and then select 🏢 **All Sites**.
Notice all the active sites are displayed for selection.

LOG OUT

At any time you can Log out of the Tool.

01   Click on the 👤 and then select ↦ **Log Out**.

CHANGE LANGUAGE

The default Tool language is English and can be changed to another language, like German, Spanish, Italian Portuguese, French, Icelandic or Dutch.

01   Click on the 👤 User, ⊘ and then select the required language from the drop-down options.

02   Exit the Tool and Close it. Then run the tool and Sign in to view it in the selected language.

Customer - Site -Panel

You will need Internet access to select a Customer-Site-and Panel in the Tool, these selections were originally created in CLSS Site Manager Cloud portal and forms a connected system.

VIEW ALL SITES

At any time you can view all the Sites.

01   Click ![icon] and then select ![icon] **All Sites**.

02   Notice all the active Sites are displayed.

ADD SITE

You must first Add a customer Site to the Tool.

01   Select the ⊕ **Add Site** button.

02   Select a **Customer *** and a **Site *** from the drop-down lists. An ***** means it is a mandatory entry.

03   View More Details to allow optional entry of installer contact details, such as name, phone number and email.

04   Select **ADD** and note the selected Site is added.

05   If required you can ![pencil icon] edit a Customer * and Site*.

To Delete a Site

⚠ Be sure about deleting a site as all the related Panel configuration will also need to be deleted. On deleting a site wait for 5 minutes before creating a new site or editing tool data.

01   Click ![icon] and then select ![icon] **All Sites**.

02   Select a Site you want to delete and then select the ![trash icon] Icon.

03   Acknowledge you are sure about deleting the Site, select **DELETE**.

ADD PANEL

You can add a Panel to a Site. If a Site was previously created then it may already have Panel(s) and you can add a new Panel to the existing Site. You can Add an Notifier INSPIRE panel or a Legacy ID3000 panel.

01   Select ⊕ **Add Panel** and fill in mandatory fields. Note an ***** means it is a mandatory field.

Add Panel
Inspire with Display

	Variant *
	[Inspire with Display ⌄]
	Number *
	[2]
	Description *
	[Panel 002]

☐ Networked

More Information

Buildings *	Managed Area *	⊕ Add Area
[A N Other TP building ⌄]	[Select Area ⌄]	

Building creation is not supported on Tools. Go to Site Manager to add a new building

[CANCEL] [ADD]

* these are mandatory data entry.

02   Select a panel – Inspire with Display, Inspire without a Display or Legacy panel (ID3000).

03   Enter a Panel number in 3-digit format, for example 001 for Panel number 1 and 010 for Panel number 10.

⚠   Ensure that there are no panels with same Panel number (node ID) in same network.

04   Check ☐ **Networked** if the panel is part of the network. If unchecked then it will become a standalone panel that not part of the network.

05   Enter a description that determines the Panel location on site.

06   Select a Building and Managed Area and then select **ADD** and note the Panel is added to the Site, see Zones.

To delete a Panel

⚠   The Zones and C&E are bound to Managed Areas of a Site and will need to be deleted manually on deleting a Panel..

01   Select the Panel that needs to be deleted and then click on 🗑 **Delete Panel**.

02   Acknowledge you are sure about deleting a Panel by selecting the **DELETE** button.

Tool dashboard

Assuming a Site was previously added, select User, All Sites and click on **GO TO SITE** and you will see the Configuration Tool page. The page layout is explained below.
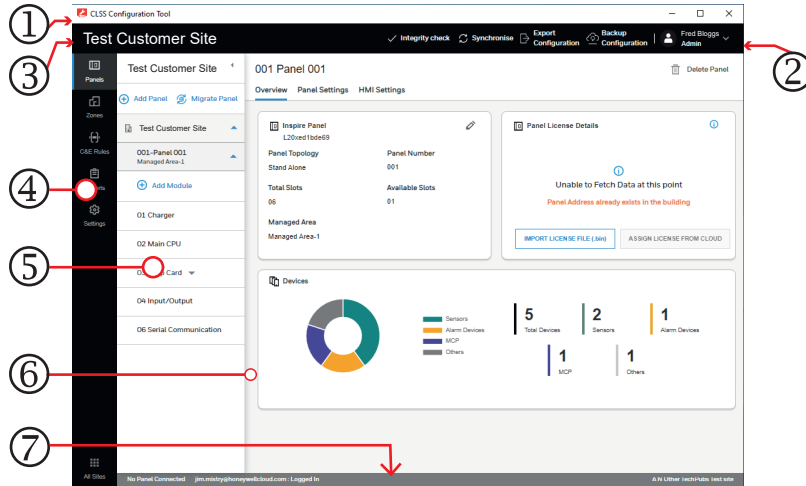
①	Title bar – Name of tool	⑤	Drawer for each Tool – to view and edit details of Panel, Zones, C&E, Reports and Settings
②	User – Drop down to Sites and Languages		
③	Site name and controls for configuration transfer and tool languge selection and log out.	⑥	Editing area for selected item in the drawer
④	Tools – to access Panel, Zones, C&E, Reports and Settings	⑦	Bottom bar – shows tool status, who is logged in and Site name

Panels Tool

Assuming a Site is selected, you can now select a Panel to configure.

OVERVIEW

A selected Panel's basic entries can be edited here, such as the Panel display variant, number, description, Building and Managed Area.

01   Select ⬛ Panels tool and <u>Overview</u> tab, then select edit ✎ button.

02   Select a display **Variant** * from the drop-down list, either '**Inspire with Display**', '**Inspire without Display'** or **Legacy Panel (for example: ID3000)#**). The default is 'Inspire with Display'. Note an ***** means it is a mandatory entry.

03   Enter a Panel number in 3 - digit format. A Panel number can be from a range 001 to 127. Refer to the plans and drawings agreed with interested parties for Panel numbering information.

04   Enter the Panel description.

05   Ensure **Building** and **Managed Area** from cloud are selected for the first time or select a specific **Building** and **Managed Area** once they are configured, see Zones Tool.

06   Select **SAVE.**

\# If Legacy Panel ID3000 is selected then see Backward compatibility manual.

PANEL SETTINGS

After synchronisation of Panel with the Tool, the Panel's AL2 and AL3 passwords can be Read and viewed at the tool for support purposes, such as when the user forgets their password. Once the password read is synced:

At the Tool select ⬛ Panels and then <u>Panel Settings</u> tab to view AL2 and AL3 passwords.

PANEL – HMI SETTINGS

The Panel HMI settings is used configure events you want to show and controls of panels in selected Building and Managed Areas, see Appendix A.

01   Select **Events** and choose 'Building' and 'Managed Area' to Event scope 'No Events' or 'All Events' for display at this panel. Select mandatory outputs: 'Fire Alarm Outputs', 'Fire Protection Outputs', 'Fire Routing Outputs', 'Fault Routing Outputs' and/or 'Voice Alarm Outputs' and then select **ADD.**

02   Select **Controls** and choose 'Building' and 'Areas' to scope the controls to/from this panel.

03   Check ☑'**Override Panel Settings** to enter site name, contact and logo for display on SAFE screen:
a. Enter Name of the maintenance company and Phone number of a person to contact for issues with the Fire alarm system.
b. Click on the **Logo** box, select **Change** to browse and select a logo file, then select **Open** it.
   The logo will be displayed in the Tool.

⚠️   A customer logo must not contain red and/or orange colour flame symbol or text in red colour, as this can be unintentionally interpreted as a Fire condition.

NOTE: The logo file must be an jpg, png file of size 300 by 100 pixels. An entered logo file can be deleted by clicking on Delete inside the logo box. The Logo can be replaced, goto b.

04   a. A Country and Language are pre selected during Panel power up to apply regional configurations. A License is required for Country Language(s).
b. Configure zonal indicators for display at panel, select display 'With Zone indictors' (up to 130 Zones can be displayed) or 'Without Zone indictors'. The Fire screen will show Zonal indicators if selected.

05   Also configure the display of fire events on either Zone or Device basis by selecting the required option. To meet standards requirements all fire events are required to be displayed on Zonal basis. Select Panel Lamp Test feature to operate at AL1, AL2, AL3 or AL4. Select **SAVE**.

SLOTS LAYOUT

An E10 Panel has 6 module slots as standard which can be extended up to 10 slots. While the E15 Panel has 12 slots as standard and can be extended up to 14 slots. You can choose the required slot layout which is determined by the Panel slot layout.

01 Select ⬛ and choose a Panel to configure

02 Select a Module to view Slot layout.

> ⚠ The Charger Module must occupy slots 1 and CPU Module must occupy Slot 2.
> A loop Module can be located in Slot 3.
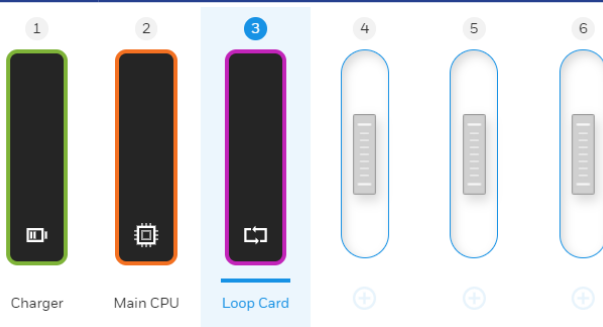
03 If required you can choose another layout from the drop down selection to align with Panel build:

6 Slots Layout ⌄
6 Slots Layout
8 Slots Layout
10 Slots Layout
12 Slots Layout
14 Slots Layout
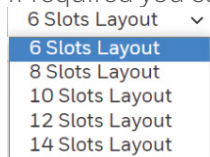
ADD MODULE

Each used slot must be assigned a Module. The slots are numbered from left to right as illustrated below to correspond with the slot numbers in an E10 /E15 Panel.

01   Select [image] and choose a Panel to configure. Click expand ▼ to view Modules assigned to a Panel if there are multiple panels listed.

02   Select ⊕ **Add Module** to view Modules assigned to slots.
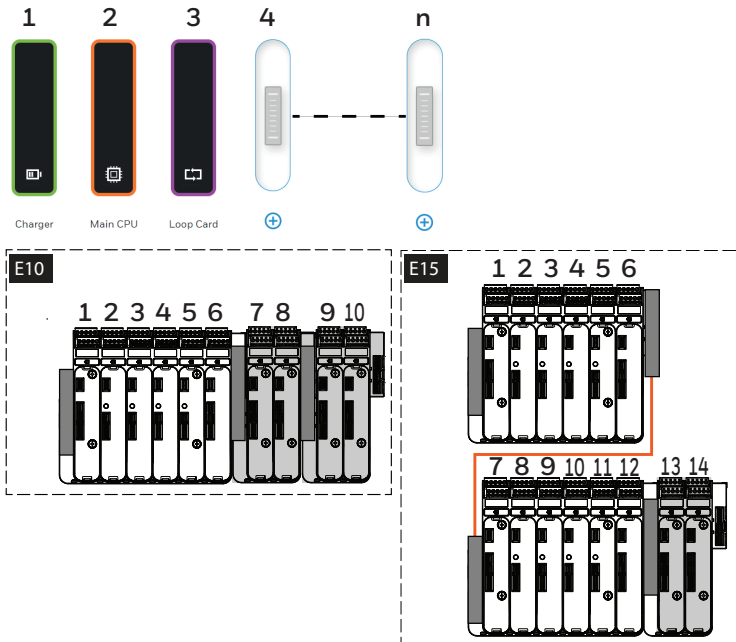
03   Click on the plus icon ⊕ beneath an unused slot and select a Module to assign to the slot and select **ADD**.

○ ⌐⌐ Loop   ○ ⌐⌐⌐ Input/Output

○ ▥ Charger   ○ ▦ Serial Communication

○ ▤ FARE/FRE   ○ ▤ FAT/FBF

○ ⊹ Id2Net Gateway

It is important to assign Modules to respective slots to assists external wiring to terminal blocks at the Panel, with wiring kept as short as possible from the cable entry point. It is also recommended that the Modules are grouped for ease of identification, for example Loop Modules can be grouped next to each other in consecutive slots.

Swap Module slot location

Once Modules are assigned to Slots Layout it is possible to swap Modules between slots.

01   Select the Module you want to move to another slot location.

02   Select ⇄ **Swap Module**.

03   Click on a Spare Slot or an occupied slot and note the Module is moved or swopped.

04   Select **SAVE**. The revised module slot assignment is saved.

Delete a Module

01   Select the Module you want to remove.

02   Select 🗑 **Delete Module** located on the top right.

03   Acknowledge deletion by selecting **DELETE**. The selected Module is deleted and the slot reverts to an empty slot.

MIGRATE PANEL

The Migrate Panel feature makes use of legacy panel configuration database file and converts it to equivalent Notifier INSPIRE configuration.

> (!) There will be limitation on some configuration that will not be converted and will appear as 'not supported' and will require further consideration and alternative mitigation.

01 Ensure a legacy panel configuration database file is available at the laptop, such as the ID3K configuration.

02 Select [icon] and then select [icon] **Migrate Panel** or for a new Site with no panel select **MIGRATE PANEL**.

03 Under ❶*Import Database* tab select brand NOTIFIER and the required panel variant, for example ID3000.

04 Select UPLOAD FILE [icon] and then select the legacy ID3000 configuration database file, *filename.mdb*, click on **Open** and then select **NEXT**.

05 Under the ❷*Panel Info* tab select the required ID3000 Networked panel to add to the Site. Check to ensure the correct *Networked panel* is selected and then select **NEXT**.

06 Check the Brand, Panel Type, Panel Name and Panel Description are correct and the date relating to number of devices, loops, zones and C&E are correct. Then select **NEXT**.

07 Note the ID3K configuration is converted to Notifier INSPIRE configuration and messages are displayed to show what is being processed.

08 The ❸*Summary* tab will show a message ⊘ *Database has been migrated successfully* and show 'Migration Details' of each configuration that was not supported, a list will appear, for example:
Mode of Operation - Steady is not imported to Inspire system. Please check Rule: 1
and supported configuration will appear listed like this: Total number of loops identified : 6 .

09 Note the Migrated panel will appear in the Tool as a Notifier INSPIRE panel in the Site Building.

10   Mitigate all the configurations that appear in Amber. Create Rule that emulate ID3000 configuration.

Check for differences in configuration behaviour of ID3000 and INSPIRE. If it does not match exactly then find an alternative way using INSPIRE configuration to meet site requirmenets. To help determine how rules are configured for an ID3000 panel:

a) Using the ID3000 Configuration Tool open the ID3000 Panel's Control Matrix and then get a printout or save to file the configuration. There are 3 configurations that must be printed or saved to files.

b) Use the 'Panel settings', 'Loop' and 'Cause & Effect' configuration of an ID3000 panel to figure out an alternative configure that can be achieved at the INSPIRE panel, that replaced an ID3000 panel.

See alo heading 'Support for legacy ID3000 functions'

See 'Appendix A – ID3000 and equivalent INSPIRE Configuration'

11   Carry out steps 06 under heading 'Replacing an ID3000 with an Notifier INSPIRE panel'.

12   Test the system and ensure it meets the site requirements.

LOOP MODULE

An E10 and an E15 Panel build have Loop modules in slots and for current release there are limitations, see page 6. Each Loop Module has two loop circuits. The default protocol for each loop is Opal, which can be changed to Clip protocol with a purchased license.

LOOP CONFIGURATION

01 Select ▣ and then 'Panel'. There may be more than one Panel if it is a network of Panels. Click ▼ expand to view slot layout of the panel and select the required **Loop Module.**

02 Select ⚙ **Settings** and then select Panel 'HMI Settings'. Under 'Brand Type' select Notifier EN or TC800. Under 'Loop Settings' set 'Loop Protocol' to Clip for Notifier or Clip/Opal protocol for TC800. If the loop circuit is not being used then check ☑ Not Used.
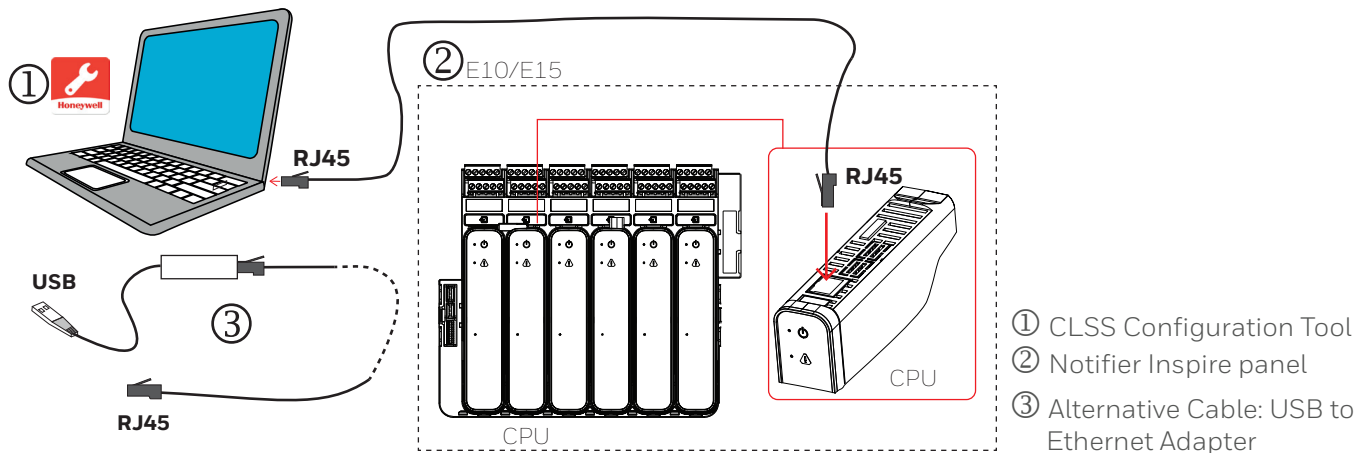
> ⚠ Clip protocol is a licensed feature and requires a License, see 'Manage License'.

03 Select the required cable resistance. Click on ⓘ for resistance selection information and enter the required value of Resistance in ohms.

04 Select the second Loop Card of the Loop Module and repeat steps 02 and 03.

05 If a Loop Card is not used then check the box '☑ **Not used**'

06 **SAVE** the configuration.

07 Repeat 02 to 05 for other Loop Modules (Loop Cards).

08 It is necessary to relearn Loops if additional devices are wired to a loop, devices are removed from the loop or device type has changed. This is done to ensure all the loops of the Panel are aligned with the latest loop wiring. There may be new faults introduced on a loop circuits and these must be rectified and loops made fault free, see RE LEARN LOOPS.

RE LEARN LOOPS

01 Use a standard CAT 5 RJ45 to RJ45 cable, connect one end to the laptop and the other end to the CPU RJ45 port. If using a cable with USB port connection to laptop then you may need to contact technical support for help to setup IP address.

① E10/E15

RJ45

USB

③

RJ45

RJ45

CPU

CPU

① CLSS Configuration Tool
② Notifier Inspire panel
③ Alternative Cable: USB to Ethernet Adapter

.

> **!** When the laptop is connected to Panel and if Cisco AnyConnect is installed then a 'Connected to wired' message appears on the bottom green bar of the Tool dashboard. If there is Synchronisation issue then try disconnecting VPN and WiFi.
>
> Also an alternative cable having a USB to Ethernet Adapter must be used if your laptop has only USB port and no Ethernet port.

02 Select ⟳ **Synchronise** at the Tool. Check the Panel shows Access Level 4.

03   Select **LEARN DEVICES** and view the device read from the panel. A typical read example is shown below:

04   Select the check box ☑ next to Address of the required device or select all loop devices.

05   Select **CONFIRM** and then select **YES UPDATE.** The changed loop devices are transferred from Panel to the Tool.

POWER UP to LEARN DEVICES
see heading 'First Power-up and LEARN DEVICES' in the Notifier INSPIRE Commissioning manual
(HOP-138-8EN). Below there is an overview of this process for reference.

01 On first power up of the Panel it automatically enters the 'Commissioning Mode' whereby you are required
to enter: **Country, Language, Time and Date.**

02 Select a loop and then select **LEARN DEVICES** to learn devices on a loop circuit of the Panel.

03 Any loop related faults are displayed and must be repaired until the loop is fault-free.

04 Repeat steps 02 and 03 for the next loop and continue until all the Loop circuits are learnt.

ADD DEVICES

You can manually add sensor and module devices to each loop circuit if planning a system or editing an existing system to accommodate new or changed devices. Ensure the address chosen for a device is the same as the hardware address set at the device. If DEVICES are already learnt then go to EDIT DEVICES.

01   Select a Loop and then select ⊕ **Add Devices**.

02   Search the list of devices and select a **Sensor** or **Module**.

03   Select a device type and insert it in an available address box from range 1 to 159 and apply the device to the address. The background colour of the address box will determine its status:

Available   **Selected**   **Configured**   **Occupied**   **Not Available**

| 1 | 2 | 3 | 4 | 5 |

Address box 1 is occupied, with 2, 3 and 5 are Available and 4 is selected. You can deselect an address by clicking on the location again.

> (!)   The selected address must be the same as that set on the rotary switches at the device.

04   Repeat steps 03 to 04 to add more devices to the loop.

05   Select **DONE** when all devices are added to a loop.

Tip 1 : You can select a sensor or module and assign it to multiple address locations. To do this press the Control button and click on each address box and then select a device. To deselect click on the same address location.

Tip 2 : You can select multiple sequential addresses by selecting the first device address box and then press and hold the 'Shift' button and select the last device address box.

EDIT DEVICE

A sensor or module device wired to a loop circuit has settings that must be configured at the Tool. The settings of typical devices are shown below.

Sensor device

This example shows how to configure a Heat detector 58 ^{0}C Sensor wired to a loop circuit.

01 Select the Heat detector 58 ^{0}C 🌡 from the list of **Devices** ☑.

02 Enter a text label that identify the device location, do not use ⟨ ⟩ & ' " in label text as they are not supported.

03 Edit the device Serial number .

04 Select the device association with a Detection Zone from the drop-down list, see also 'Zones'.

05 Select the 'Blink Mode' of the LED ⦿ on the device, which can be 'Default', 'Red', 'Green' or switched 'Off'.

06 Select the Remote LED operation ⦿, if it is not used then select 'Not Used', select 'Follow' to replicate indication given by connected device or indicate as defined by 'Cause & Effect (C&E)'.

07 Select a sensitivity 'Profile' for detecting a Fire. Normally this is set to 'Default Profile', see 'Sensitivity Profiles' for information on how to create new profiles.

08 Select an 'Alternative Profile' for detecting a Fire. Normally this is also set to 'Default Profile', see 'Sensitivity Profiles' for information on how to create new profiles.

09 Select **DONE** button to complete this configuration.

Interface Module – Loop wired

(Do not use < > & ' " in label text as they are not supported)
This example shows how to configure a Dual Input Single Output Interface Module wired to a loop circuit.

01 Select the Dual Input Single Output Interface ⊡ from the list of Devices Type ✔.

02 Enter a text label that identify the Module location on loop.

03 Edit the module / device Serial number .

04 Select the blink Mode of the LED ⦿ on the device, which can be 'Default', 'Red', 'Green' or switched 'Off'.

05 If an Input Circuit 1 (IC1) is being used then enter a 'Channel Label' to identify its external circuit,

06 Select a Point Type and configure the input circuit.

Point Type can be a:	Input configured with monitoring:
Control Input	a. Select a 'Control Zone' from the drop-down list. You can add control input to other control zones. b. Select monitoring: 'Not monitored', 'Short circuit', 'Wire break' or both 'Short circuit' & 'Wire break. c. This is a non latching input, select **Done.**
Fire Detection Input	a. Select a 'Detection Zone' from the drop-down list. b. Select Fire Detectors, MCPs or Sprinklers. c. Select monitoring: 'Not monitored', 'Short circuit', 'Wire break' or both 'Short circuit' & 'Wire break'. d. Select 'Latching' or 'Non latching' capability. Select **Done.**
Technical Alarm Input	a. Select a 'Technical alarm' from the drop down-list. b. Select monitoring: 'Not monitored', 'Short circuit', 'Wire break' or both 'Short circuit & Wire break. c. Select 'Latching' or 'Non latching' capability. Select **Done.**

| Fault Input | a. Select a 'Fault.
 b. Select monitoring: 'Not monitored', 'Short circuit', 'Wire break' or both 'Short circuit & wire break.
 c. Select 'Latching' or 'Non latching' capability. Select **Done.** |

07   If Input Circuit 2 (IC2) is selected then configure it similar to IC1, see steps 04 and 05.

08   Select Output Circuit 3 (OC3) if used and enter a channel label to identify its external circuit. On a Single Output Module this channel will be OC1 and Single Input Module it is IC1.

Point Type can be a:	Configuration:
Control Output	a. Select a 'Control Output' from the drop-down list. Select **Done.**
Fire Alarm Output	a. Select an 'Fire Alarm Output' from the drop-down list. b. Select an 'Alarm Profile' from the drop-down list, see 'Alarm Profiles'. Select **Done.**
Fire Protection Output	a. Select a 'Fire Protection Output' from the drop-down list. b. Select an Application type, which can be 'Unspecified', 'Door release', 'Smoke control' or 'Extinguishing system'. Select **Done.**

CHARGER MODULE

The Charger Module require settings of battery type used to provide Panel standby supply. There are settings for battery monitoring or Mains power only. The Mains power only is an option which requires an external backed up power supply, which is a future implementation.

CHARGER CONFIGURATION

01   Select and then 'Panel'. Click expand and select **Charger Module.**

02   Enter a label to identify the Charger module, do not use < > & ' " in label text as they are not supported.

03   Select 'No' for External Backup Power Supply, as internal PSU is normally used.

04   Select from a range of Battery capacity YUASA NP 12V – 12Ah, **24Ah** or 38Ah that will be installed inside the Panel. The **24Ah** is normally chosen.

05   Select 'Enable' or 'Disable' for Battery life monitoring, normally it is set to Enabled'.

06   Only check the 'Mains Power Only' if the Panel is required to operate without standby power.
Typically a compliant fire alarm system will always have Batteries for standby power.

07   The configuration is saved.

SERIAL COMMUNICATION MODULE

The Serial Communication Module has Line 1 (CH1) RS485 port only and Line 2 (CH2) either RS485 or RS232 port option. This module provides 24 V dc output with settable current limit. A port can be set to operate 3rd party protocol with a selected protocol version and set to operate full or half duplex. This enables the panel to send events to an external system. These events may be of Alarm, Fault, or general information categories. A Repeater can be set to operate at a defined Baud rate.

SERIAL COMMUNICATION CONFIGURATION

01 Select ⬛ and then 'Panel'. Click ▼ expand and select a **Serial Communication Module**.

02 Enter a label to describe usage of the Module, do not use ‹ › & ' " in label text as they are not supported.

03 a. If used, select **Line 1** and ensure the state is switched to **ON**, otherwise leave it switched **OFF**.
      Line 1 is RS485 only and has a prefix mark CH1 at the Module 's wiring terminal block.
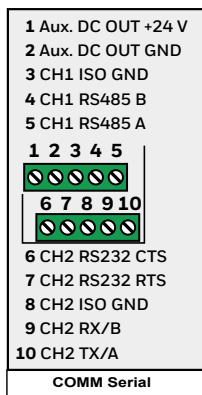
b. Enter a label to describe 'Serial Line 1' usage, do not use < > & ' " in label text as they are not supported.
c. Select '3rd Party Protocol' for connecting to 'Honeywell Gateway' to Notifier INSPIRE build 1.1 only or select legacy 'Repeater'.
NOTE: The 'Honeywell Gateway' connection to Notifier INSPIRE build 1.2 is via RJ45 on CPU.

> ⓘ If using the Serial Communication Module for 3rd Party Protocol (TPP) application then a license is required, see heading 'Licenses'.

d. For a connected Honeywell Gateway select 'Protocol Version' 0013.
   There are two 'Protocol Version to choose from either 0011A or 0013
e. For a connected Gateway select 'Full Duplex'.
   There are two TPP mode type to select from, 'Full Duplex' or 'Half Duplex'.
f. If 'Honeywell Gateway' is being used then set the Baud rate to a recommended 9600 baud
   If Repeater is being used then set the Baud rate to a recommended 1200 baud
   A range of baud rates are available for selection if connected to other equipment:
   1200, 9600, 19200, 38400 and 57600 baud.

04 a. If used, select Line 1 and ensure the state is switched to ON, otherwise leave it switched OFF.
       Terminal block marking for Line 2 has a prefix CH2.
    b. Set interface type to RS232 or RS485 dependent on usage and configure as per step 03 c to f.

05 a. Select AUX OUTPUT and select ON if used.
    b. Set a maximum current limit for AUX OUTPUT to 500 mA, 1000 mA or 2000 mA. The terminal block marking are 'Aux DC OUT +24 V' and 'Aux DC OUT GND'.
    Select 1000 mA for connected Gateway and 500 m A for a connected Repeater indicator.

06 This configuration is saved automatically.

I/O MODULE (4 CHANNEL)

The Input Output Module has 4 channels and each channel can be set to provide a Point type Input or Output interface for fire alarm and detection system applications. Each channel can be set to unmonitored or monitored by an end-of-line units. Additionally the Module provides a 24V dc power output with a set current limit.

I/O MODULE CONFIGURATION

01 Select and then 'Panel'. Click ▼ expand and select a **I/O Module**.

02 Enter a label to describe the usage of the I/O Module, do not use < > & ' " in label text as they are not supported.

03 Select **Overview** to view current status of all the I/O channels.

04 Select '✔ I/O x In Use'. Note the channel I/O 1 is always set to in use.

05 Select a required Point Type Input or Output and configure the channel.
For information on how to configure Zones, see 'Zones'.

Point Type I/O:	Configuration (Do not use < > & ' " in label text as they are not supported):
Technical Alarm Input	a. Enter a channel label to describe the usage of this input. b. Associate the Channel with a 'Technical Alarm Input'. c. Select an End-of-line monitoring type, '10K Monitoring 1K Alarm' or 'Not Monitored'. d. Select 'Latching input' or Non Latching Input. Latching input is cleared with Panel RESET button. e. Select **SAVE** to complete this configuration.

Point Type I/O:	Configuration (Do not use < > & ' " in label text as they are not supported):
Control Input	a. Enter a channel label to describe the usage of this input. b. Associate the Channel with a 'Control Input' from the list. You can add control input to other control zones. Where necessary ⊕ **Add Zone** to view a list of Zones for selection. c. Select **SAVE** to complete this configuration.
Control Output	a. Enter a channel label to describe the usage of this output. b. Associate the Channel with a 'Control Output' from the list. You can add control output to other control zones. Where necessary ⊕ **Add Zone** to view a list for selection. c. Select **SAVE** to complete this configuration.
Alarm Output	a. Enter a channel label to describe the usage of this output. b. Associate the Channel with an 'Alarm Output' from the list. c. Select monitoring type: EOL-O. d. Enter: Max. current (mA), Monitoring current (mA) and Voltage Threshold (mV) based on application of this Output. e. Select an 'Alarm Profile', normally the 'Default Profile' is selected, see 'Alarm Profiles'. f. Select **SAVE** to complete this configuration.
Fault Input	a. Enter a channel label to describe the usage of this input. b. Associate the Channel with a 'Fault Input' from the list and select the required preconfigured Zone from the list. c. Select an End-of-line monitoring type, '10K Monitoring-1K Alarm' or 'Not Monitored' d. Check 'Latching input' if required or Non Latching Input if not required. Latching input is cleared with Panel RESET button. e. Select the **SAVE** to complete this configuration.

Point Type I/O:	Configuration (Do not use < > & ' " in label text as they are not supported):
Fire Input	a. Enter a channel label to describe the usage of this input b. Associate the Channel with a 'Fire Input' from the list and select the required preconfigured Zone from a list. c. Select the type of connected devices on the input, ie Detector, MCP or Sprinkler. d. Select an End-of-line monitoring type, '10K Monitoring-1K Alarm' or 'Not Monitored' e. Check 'Latching input' if required or 'Non Latching Input' if not required. Latching input is cleared with Panel RESET button. f. Select the SAVE to complete this configuration.
Fire Protection Installation	a. Enter a channel label to describe the usage of this input b. Associate the Channel with a 'Fire Protection Installation' from the list. You can add control output to other control zones. Where necessary ⊕ **Add Zone** to the list for selection. c. Select an application option: Unspecified, Door release, Damper or Extinguishing System. d. Set 'Confirmation Required for EN54 output types B, C'. e. Select an End-of-line monitoring type, 'EOL-O', 'Short Circuit', 'Wire Break', 'Short Circuit' and 'Wire Break' or 'Not Monitored'. f. Select the SAVE to complete this configuration.

06 Repeat steps 04 and 05 for 'I/O 2', 'I/O 3' and 'I/O 4'.

07 Select **AUX Output** and set the maximum current limit as required to drive external equipment to 500mA, 1000mA, 1500mA or 2000mA and then select the SAVE button to save this configuration.

FARE/FRE MODULE (FUNCTION FOR DE ONLY)

The Fault Routing Equipment interface provide Fault input/output to a Dialer and additionally there is a interface to connect a Key Box Adapter according to VdS 2105.

> !   Only one FARE per Notifier INSPIRE panel is currently supported.

FARE/FRE CONFIGURATION

Do not use < > & ' " in label text as they are not supported.

01   Select ⬚ and then 'Panel'. Click ▼ expand and select **FARE/FRE** Module.

02   Enter a label to describe FARE/FRE Module usage.

03   Select **Fare** to configure the Fire Alarm Routing Equipment:
- If required, check ✅ **Confirmation Input Required**.
- Enter a label for FARE equipment.
- Enter a reference measurement in ohms
- Select **SAVE** button to save these entries.

04   Select **Fre** to configure Fault Routing Equipment:
- Enter a label for FRE equipment
  Note Fault Input is preselected
- Select the **SAVE** button to save these entries.

05   Select **Key Safe** to configure Key Safe Equipment:
- Enter a label to identify Key Safe.
- Check ✅ **Key Safe Required**.
- Select the **SAVE** to save these entries.

ID2NET GATEWAY MODULE

The ID²Net Network Module provides the isolated RS485 ports for a copper network of Notifier INSPIRE Panels and ID3K Panels. The module has provision for conversion to Optical Fibre using plug-in adaptors. Any combination of RS485 and Multi-Mode Optical Fibre is possible for ~~an~~ Notifier INSPIRE only network. Copper network only for a mixed network of Notifier INSPIRE Panels and ID3K Panels.

ID2NET LABEL

01   Select and then 'Panel'. Click ▼ expand and select a **ID2Net Gateway** Module.

02   Enter a label to identify the 'ID2NET' network, do not use < > & ' " in label text as they are not supported.

03   Select the **SAVE** button to save the label.

FAT/FBF MODULE (FUNCTION FOR DE ONLY)

The Dual (FBF/FAT) Module provides dual communication and alarm transmission functionality and is fully compatible with ADP4000 loop interface and supports FBF/FAT/GMT4000. The Module is configurable with Prog4000 configuration Tool.

FAT/FBF CONFIGURATION

01 Select and select a 'Panel'. Then click expand and select the FAT/FBF Module.

02 Enter a label to identify the FAT/FBF Module, do not use < > & ' " in label text as they are not supported.

03 Select **SAVE** to save the label.

Prog4000 Configuration Tool.
Configure the FAT/FBF using IFAM Prog4000 Configuration Tool.

Zones

Each Zone is given a number, a unique identity and is defined as 'Detection Zone', 'Alarm Zone 'or 'Control Zone'. A 'Detection Zone' can have devices like Heat detectors and Smoke detectors. An 'Alarm Zone' can have devices like Alarm sounders and VADs, while a 'Control Zone' can have Interface Inputs and Outputs, however it is recommended Inputs and Outputs are kept in different 'Control Zones'.

ZONES IDENTIFICATION AND LABELS
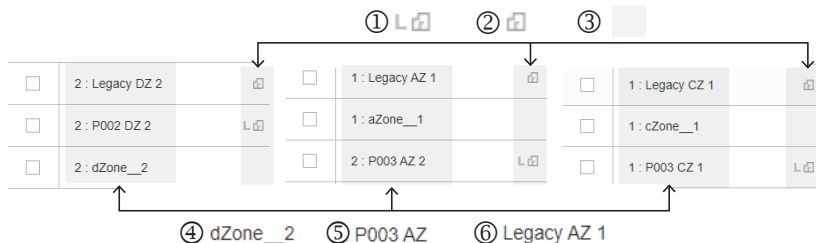
Note: Only the first 32 characters of a label is displayed on a ID3K panel in a mixed network of Notifier INSPIRE and ID3K panels.

	Description	Comment
①	Symbol for local panel zone associated with legacy ID3K.	Zone symbols are dependent on Notifier INSPIRE or legacy ID3K zone.
②	Symbol for a Network zone associated with legacy ID3K.	
③	No symbol for Network zone associated with Notifier INSPIRE.	
④	This is an example of a detection zone label used in Notifier INSPIRE.	A zone label can be edited under ⊡ **Zones.** Zones are first **ADD**ed under ⚙ Settings –> Zones.
⑤	This is a generated Panel Alarm zone label associated with Legacy ID3K.	
⑥	This is a generated Network zone label associated with Legacy ID3K.	

01   Select [icon] and then select ⊕ **Add Zone**.

02   The Tool automatically creates a zone number, however you can edit the number if required and then select a Zone Type, which can be 'Detection', 'Alarm' or 'Control' from the drop-down list.

> ⚠ There can be a Detection Zone 1, an Alarm Zone 1 and a Control Zone 1. Each numbered zone is given a unique description and initially all zones reside in a Building and Area.
> Selections made here are used to configure Cause and Effect Rules later.

03   Enter a Zone Description. If required check ☑ Legacy Zone and select 'Legacy Panel' – 'Networked zone'.

04   A numbered zone of any Zone Type can be assigned to a Building and an Area.
If there were previously configured Buildings and Areas to select from then one can be selected from the respective drop-down list. Select a Building and Area or click on ⊕ **Add Area** and add an area and then select **SAVE.**
For information on Managed Areas, see Appendix A.

05   Select ☑ Add Another Zone and **ADD** another Zone. Then repeat steps 03 to 05 to configure the Zone.

06   Once all Zones are added and configured deselect ☐ Add Another Zone and **CANCEL** to exit.

NOTE: If 'Allow manual Evacuation' is checked in [icon] **Settings**' -> **Button Control**, then the Alarm Zones are made active on pressing the Evacuate Button on the panel

ZONE CONFIGURATION FOR GERMAN COUNTRY SETTING

In Germany there are strict rules for assignment of devices to detection Zones. When the country setting is Germany the tool will restrict by providing guidance/warning when setting up detection Zones.

A detection Zone for German Country application:

- ☐ Duplication of detection Zone number is not allowed.
- ☐ A maximum of 32 detectors can be placed in a detection Zone, but there cannot be a mix of detectors with Germany style DKM manual call points.
- ☐ DKM manual call point must be placed in a separate detection Zone.
- ☐ A maximum of up to 10 DKM manual call point are allowed in a dedicated detection Zone, which cannot have a mix of other devices in the same zone

MULTI-DEPENDENCY

A Zone configured to operate in multi-dependency mode will go into a Fire Condition if one or more sensor(s) in the Zone signal fire(s).

- Enter the number of sensors required to signal fire 'Threshold' and over an 'Initial Event Reset time', then if the 'Threshold' number of sensors signal fire(s) within 'Initial Event Reset time' then the Zone will go into a Fire condition. Otherwise the Zone operation will restart with sensor signalling fire(s) Reset.
- With a 'Delay time' defined, then if one sensor in the Zone has signalled two fire(s) within the 'Delay time' period then the Zone will go into a Fire Condition.

First sensor of multi-dependency Zone signalling a fire, this event can be displayed at the panel by selecting 'Type B' or not displayed by selecting 'Type A'.

NOTE: MCPs are not used for Multi-Dependency applications.

01 Select [icon] and then select a [icon] **Zone**.

02 Select **Add Multi-Dependency**.

03 Enter the number of sensor(s) required to signal fire 'Threshold' for the Zone to go into a Fire condition.

04 Enter the 'Initial Alarm Reset Time' in seconds

05 Enter a 'Delay time' in seconds.

06 First fire at a sensor in the Zone can be displayed at the panel by selecting (Type B) or not displayed by selecting (Type A).

If a Zone is already configured for multi-dependency then it can edited by clicking on the top right triangle.
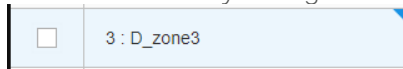
Multi-dependency detection ends after 'Initial Alarm Reset Time' if the required fire signals from sensors (Threshold) is not achieved.

ID3K features
ID3K CELL CONCEPT

> ⚠ This Tool does not identify the grouping of zones as an ID3K Cell. When an ID3K panel is replaced with a Notifier INSPIRE panel a 'ID3K Cell' is formed as described below.

An ID3K 'Cell' can consist of the following grouped together as required:

◻ Multiple Detection zones
◻ Multiple Alarm zones
◻ Multiple Control zones

A group is achieved in the Tool by using a Cause and Effect Rule where an Alarm Input can consist of any number of Zones in any combination to form the 'group' or in ID3K terminology a 'Cell'. The Output is configured in a normal manner, see Cause and Effect Rules.

ID3K TRANSFER FLAGS - INPUT POINTS

The Transfer Flag concept is only valid in the ID3K panel. When an ID3K panel is Added in the Tool, there are 128 control input points representing Transfer Flags ② automatically created for the added ID3K panel ①.

☐ 03.00:127:(ID3K Transfer Flags)

☐ 03.00:128 (ID3K Transfer Flags)

① ②   Tool view of **Add Input Points** in Rule

Transfer flag input points are available in the Cause and Effect (C&E) programming. They are used to manage C&E from ID3K to Notifier INSPIRE and makes use of the logical AND and OR operator, see Cause and Effect Rules.

Cause and Effect Rules

There can be a maximum of up to 1000 Rules used to configure the Cause and Effect (C&E) whether it is one Notifier INSPIRE panel or a network of Notifier INSPIRE panels. See 'Compatibility' and 'Present Limitations'.

01 Select [ ] and select ⊕ **New Rule**. A Rule ID is created. If ☑ **One In All Out** is selected, then a special Rule is creeated, which triggers Evacuate on all Alarm Zones and activates all Control Zones, see Caution 1.

02 Enter a Rule description, check NOT for inverse condition, if required, select a condition and an input.

Select input Condition #	Select Input	Configure the selected Input	
Alarm	Detection Zones Add Input Managed Area	**To configure a Detection, Alarm or Control Zone** a. Select Detection / Alarm / Control Zone. b. Apply an Operand: OR, AND or ANY (x) and enter a number, see 'Note 1' c. Select **DONE**. **To configure Input (including control input) / Output** , see Note 2 a. Select the required Input / Output points b. Apply an Operand: OR, AND or ANY (x) and enter a number, see 'Note 1'. c. Select **DONE**. **To Add Transfer Flags** a. Select Activation and then Transfer Flags and Add Transfer Flags by selecting points and apply OR, AND, NOT or ANY (x) and enter a number. Select **ADD POINTS**. **To configure Managed Areas** a. Select All Buildings, Default Building or a Specific Building. b. Select the required Managed Areas if specific Building was selected. c. Apply an Operand: OR, AND or ANY (x) and enter a number, see Note 1'. d. Select **DONE** **#** Each input can operate with delay. Select [ ] **Add Delay** and enter Delay time and Activating Duration. You can configure more inputs to the Rule, select ⊕ **Configure more inputs** and apply AND / OR Operand to the inputs. These inputs can each operate with independent delay, select ⊕ **Add Delay** and enter Delay time and Activating Duration. **Note: Delay is overridden and cancelled when a MCP is activated.**	**see 'o/p' STEP 03**
Technical Alarm Disablements	Detection Zones Add Input		
Fault	Detection Zone Add Input Points Alarm Zones Control Zones Managed Areas Add Output points		
Activation	Control Zone Control Input Points Transfer Flags		
Manual Evacuation Reset Silence Resound Delays Extended Disablement of All Alarm Devices Disablement of Fire Protection Outputs Disablement of Fault Routing Equipment Disablement of Fire Routing Equipment	Managed Areas		
Confirmation (for M721-SST) Confirmation Timeout (for M721-SST)	Confirmation Input points		
Active	Cntrl Zones / Output point		

03   Select from a range of Outputs, add outputs and configure the Outputs.

Action + Outputs ▣	⊕ **Add Outputs**	Configuration
Alert / Evacuate -> Activate -> Default sensitivity -> Alternative sensitivity -> Disablements-> Disablement Of Control Outputs -> Disablement Of Alarm Devices -> Disablement Of Fire Protection -> Disablement Of Fault Routing -> Disablement Of Fire Alarm Routing -> Extend Delay ->	Alarm Zones / Output Points Control Zones /Output Points/Remote LED/Transfer Flags Detection Zone / Managed Areas / Detection Point Detection Zone / Managed Areas / Detection Point Detection Zones / Detection Point Managed Areas Managed Area Managed Area Managed Area Managed Area Managed Area	**To configure – action Detection/ Alarm/ Control Zone** a. Add Zones. b. Select **DONE**. **To configure – action for Detection points** a. Add Detection points. b. Select **DONE**. **To configure – action for Output points, see Note 2.** a. Add Output points. b. Select **ADD POINTS**. **To Add Transfer Flags** a. Select Activate and then action on Transfer Flags. b. Select points and then select **ADD POINTS**. **To configure – action for Remote LED** a. Add Remote LED. b. Select **DONE**. **To configure action for Managed Areas** a. Add Managed Areas. b. Select **DONE**.
▣ You can configure more outputs, select ⊕ **Configure more outputs** to a Rule.		

Note 1. The OR operand require any one of the selected Inputs / Outputs to trigger to activate output alarm.
The AND operand requires all the selected Inputs / Outputs to trigger to activate output alarm, this is coincidence detection.
The Any (X) operand requires more than 3 selected Inputs / Outputs. So if X Inputs / Outputs have triggered then the output alarm is activated. For example, if X is set to 2, then 2 Zones of the 3 selected Zones must have triggered for the condition becomes true.
Note 2: An Input / Output point can be ID3K Transfer Flags from a mixed network of ID3K and Notifier INSPIRE, (128 Control input added with ID3K panel).
Caution 1: All the other configured Rules in the system will be overridden and made non functional on selecting One In All Out.

04   On completing configuration of a Rule select **SAVE**.

Select ⊕ **New Rule** if required, next Rule ID is created, follow steps 02 to 04.

To Edit or Delete a Rule

Select a Rule then select ⋮ and **Edit** option or to remove the Rule select the **Delete** option.

Report Type

The Tool provides means to acquire various system reports.

CONFIGURATION REPORT

This report provides customer name, contractor's name and contact details, plus configuration data of loop devices associated with the selected panel(s).

01 Select and then select **Configuration Report**.

02 Enter 'Reportee Name' *, that is your name. Enter 'Role' *, for example select 'Commissioning Engineer' or Support Engineer.
Select report for 'All Panels – All Loops' or 'Individual panels'.
If 'Individual Panels' then select the ☑ **Panel** whose report is required.

03 Check report to ☑ **Show Customer Details** and ☑ **Include Loop Device Details.**

04 Select **EXPORT PDF** to save the report as a PDF file, which can be shared with interested party.

AUDIT LOG REPORT

An Audit report may be required to analyse the system activities to see if there are abnormal activities. To read the latest Audit log file from the panel at the tool.

01   Connect Tool to Panel and synchronise, see RE-LEARN LOOPS steps 01 and 02.

02   Select ⊙ **Read file from Panel to Tool** and then select ⊙ **Audit Log**

03   Select **PROCEED** and wait for ⊘ 'Audit Log file was successfully downloaded' message to appear and then select **DONE**.

04   Select 📋 and select **Audit Log Report** and then select **BROWSE FILE TO IMPORT**.

05   Go to the location **C:\Users\USERID\PanelLogs** and select **AuditLog_xxxxxxxxxxxx_....** file and **Open** the file. The box under **Audit Log File** displays a scrollable list of Audit report.

ENGINEERING LOG REPORT

An Engineering report may be required to determine system behaviour. To read the latest Engineering log file from the panel at the tool.

01   Connect Tool to Panel, see RE-LEARN LOOPS steps 01 and 02.

02   Select ⊙ **Read file from Panel to Tool** and then select ⊙ **Engineering Log**

03   Select **PROCEED** and wait for '⊘ Engineering Log file was successfully downloaded' message to appear and then select **DONE**.

04   Select 📋 and then select **BROWSE FILE TO IMPORT**.

05   Go to the location **C:\Users\USERID\PanelLogs** and select **EnggLog_xxxxxxxxxxxx_....** file and **Open** the file. The area under **Engineering Log File** displays a scrollable list of Engineering report.

Site Settings

These are global settings applied to all the Notifier INSPIRE Panels in a network of Panels.

SITE - HMI SETTINGS

01 Select ⚙ **Settings** and select <u>HMI Settings</u>.

02 Select 'Country Standard and select 'Displayed Language' if options are available. Note the 'Brand type' is selected and configured during power up of Notifier Inspire panel

03 Select Resound requirement to 'On Alarms of Other Zones' this is default setting or select 'No Resound'.

04 Set the required 'Extended Delay' time in minutes, the default is set to 1 minute. This 'Extended delay' is the called 'Verification delay' at the Notifier INSPIRE panel.

> ⚠ Configuring 'Extended delay' that is more than 10 minutes will contravene EN54 standards.

05 Where required, ensure Delay Configuration is set to ● **End with Night Mode** which is the default selection. There are other 'not VdS Approved' selections to choose from if required, they include '○ Start with Day Mode', '○ During Day Mode', '○ During Night Mode', '○ Always Delay On' or '○ None'.

06 Select Day Night Setting on power up to be Day Mode (default) or Night Mode.
Select the required Days of the week **MON** (Monday) to **SUN** (Sunday) as required for Day Mode or Night Mode to be active from a set Start time HH:MM to End time HH:MM. Use the clock settings to adjust time.
NOTE: You must select at least one Day of the Week, from Monday to Sunday.

07 Select 12 Hours or 24 hours time display format.

08 Upload a site image to appear on the panel, like a (.png) file of up to 750KB size.

09 Where Fire door is required to be closed at specific time, then under 'Automatic Door Close Setting' select
☑ **Enable Door Release** and select the required Days of the week MON (Monday) to SUN (Sunday) as
required and enter the magnet energisation time in seconds, range 15 sec to maximum 59 sec.

10 Set the Button Controls, check the ☑ **Allow manual evacuation** box if manual EVACUATE' button feature is
required to appear on Panel display. Check the ☑ Temporary disablements if required. Note these buttons
are not EN54 confirmed features. Check the ☑ Display day/night toggle button box if a 'Toggle' button
feature is required to activate Delay of alarm activation during a Fire condition.

ALARM PROFILES

Alarm Signal

The Alarm Signals can be created and given operational priorities for different alarm applications, such as for Bomb alert and other special use alarm signals. A higher priority signal is given a number closer to 1 for importance and operation over lower priority signals. These default signals are made available for use with profiles of Alarm Outputs, Visual Alarm Devices and Audible Alarm devices.

01 Select ⚙ and select **Alarm Profiles** and then **Alarm Signal**.

02 A new added Alarm Signal having a required Priority can be configured.
NOTE: The default Alert and Evacuate signals are preset and cannot be edited.
a. Select ⊕ **Add New**.
b. Enter a Signal description and give it a Priority number.
   By checking '☑ Add Another Alarm Signal' you can add more Alarm Signals.
c. Select **ADD** and check that the added signal(s) are listed.

Signal name	Priority	
Evacuate	2	These are default signals and priorities that cannot be changed.
Alert	5	
Added signal	*x*	Added signals priority can be changed.

Any added Alarm Signal can be Edited ✏ or Deleted 🗑 .

Alarm Output Profile settings

An Alarm Output signal profile can be edited and new ones can be created. These profiles are applied to Alarm Output of IO Module and Interface devices on loop circuits .that operate to site C&E configuration.

Select ⚙ and select **Alarm Profiles** and then select '**Alarm Output**'.

03   If required, you can edit an Alarm Output profile.

   a. Select edit ✎. button.
   b. Edit the description of profile.
   c. Set the 'Silence Action' to either 'Signal Off' (default setting) or to 'No Action'.
      Note: The 'Silence Action' setting is applied to Evacuate, Alert and any custom signal definitions.
      Each 'Signal Definitions' are set to On and cannot be changed.
   d. Select **DONE** and check the revised profile.

04   If required, you can add a new 'Alarm Output' profile.

   a. Select ⊕ **Add New**.
   b. Step 02 b, 02 c and 02 d.

Visual Alarm Devices Flasher Profile settings

The Visual Alarm Devices signal profiles can be edited and new ones can be created. These profiles are applied to flasher alarm devices on loop circuits that operate to site C&E configuration.

See also heading 'Base Sounder Strobe Devices frequency setting' under Troubleshooting section in Appendix B.

01   Select ⚙ and select **Alarm Profiles** and then select '**Visual Alarm Devices**'.

02   If required, you can edit a Visual Alarm Output profile.

a. Select profile edit ✎ . button of the profile to be edited.
b. Edit the description of the profile.
c. Set the 'Silence Action' to either 'Signal Off' (default setting) or 'No Action'.
   Each 'Signal' Evacuate and Alert action is set to 'On' and cannot be changed.
d. Select **DONE** and check the revised profile.

03   If required, you can add a new Visual Alarm Flasher profile based on the default profile.
a. Select ⊕ **Add New** .
b. As step 02 b, 02 c and 02 d.

An added profile can be Edited ✎ .

Audible Alarm Devices Sounder profile settings
The Audible Alarm Devices signal profiles can be edited and new ones can be created. These profiles are applied to flasher alarm devices on loop circuits that operate to site C&E configuration.

01 Select ⚙ and select **Alarm Profiles** and then select '**Audible Alarm Devices**'.

02 If required, you can edit an Audible Alarm Devices profile.

a. Select the edit ✎ button of the default profile to be edited.
b. Edit the description if required.
c. Select the 'Silence Action' to either 'Signal Off', which is a default setting, or to 'No Action'.
d. The 'Signal Definition' for Evacuate and Alert Tone can be selected from a range Tone 1 to Tone 32 by using DIP Switch on the device. The volume can be set to 'High', 'Low', Medium' by using DIP Switch on the Device.
Note: The Signal definition default Action is set to 'On' and has a defined Tone with volume set to High.
e. Select **DONE** and check the revised profile.

03 If required, you can add a new Audible Alarm Devices profile for Evacuate and Alert.

a. Select ⊕ **Add New.**
b. As Step 02 a, 02 b, 02 c and 02 d.

A profile can be Edited ✎ or Deleted 🗑 .

> ⚠ The 'Silence Action' setting refers to what happens when SILENCE-RESOUND button is operated at the Panel.

SENSITIVITY PROFILES

The Sensitivity Profiles are 'Alarm Levels' ranging from least sensitivity to most sensitivity for the detection of heat and smoke. Each device is pre-configured to operate at a default sensitivity level which can be changed to a different sensitivity level during C&E configuration.

01 Select ⚙ and select **Sensitivity Profiles**.

02 If required you can edit the existing default sensitivity profile of a Clip, Opal, Smart4 and Multi sensors.

> ⚠ EN54 ✓ Where sensor devices are configured to operate at a different sensitivity, then ensure the selected sensitivity is compliant with respective standards, for example EN54-5 & EN54-7. Refer to the technical data for respective devices.

a. Select a sensor type and then edit ✏ .

03 b. Select the required 'Alarm Level' sensitivities and pre alarm settings.

Sensor Type	Settings possible for 'Alarm Level' are:	'Pre-Alarm' or applicable Sensitivity
Clip Heat	Most Sensitive, More Sensitive, Default, Less Sensitive or Least Sensitive.	Check Pre Alarm if required or uncheck if not required.
Clip Optical		-
Clip View	Most Sensitive, More Sensitive, Default, Less Sensitive or Least Sensitive.	Check Pre Alarm if required or uncheck is not required. If required then select sensitivity: Most Sensitive, More Sensitive, Default or Less Sensitive.
Multi Sensor	Most Sensitive, More Sensitive, Default, Less Sensitive, Least Sensitive or Thermal Only. Thermal Mode Max 58°C, Max 78°C a nd RoR (Rate of Rise)	-
Self Test NFSTI-THE	Thermal Mode: Max 58°C, Max78°C and RoR (Rate of Rise)	

Opal Beam	Most Sensitive, More Sensitive, Default, Less Sensitive, Least Sensitive.	Pre-Alarm check if required or uncheck if not required.
Opal Heat		
Opal Optical		
Opal View	Most Sensitive, More Sensitive, Default, Less Sensitive, Least Sensitive.	Check if required or uncheck if not required. If required then select sensitivity: Most Sensitive, More Sensitive, Default or Less Sensitive.
Smart 4 Sensor	Alarm Level Most Sensitive, More Sensitive, **Default**, Less Sensitive, Least Sensitive or Thermal Only. Thermal Mode Max 58°C, Max 78°C and RoR (Rate of Rise). Sensitivity Application: 3 - Dusty Environment 0 - Hotel Bedroom 7 - Long Lasting Fog Normal 2 - Photo Element Disturbed 6 - Repair Shop 1 - Small Appliance Cooking 4 - Smoke Steam 5 - Traffic Kitchen	

04 If required you can add a new Sensor profile with custom setting of Alarm Level, Thermal Mode and Sensitivity Application depending on the device type that is selected.

a. Select ⊕ **Add New.**
b. Enter a description of the new profile.
c. Select a custom 'Alarm Level' from the range and where applicable enter custom Thermal Mode and Sensitivity Application.
d. Select **DONE** to complete a profile setting.

SITE SETTINGS OF ZONES

Inspire Network Zones

You can add Inspire Network Zones to a site configuration having a network consisting of Notifier INSPIRE panels only or a mix with Legacy panels. This allows network control and indications functionality in managed areas.

The Inspire Network Zones can be entered in range 1-8192 in step range 1-100.
Each entry will appear in 'Zones tool' assigned to a building and managed area as Detection, Alarm or Control zone. Network Zones are added for Site wide use and made available for C&E configuration.

01 Select ⚙ **Settings, <u>Zones</u>** and then **Inspire Zones** tab.

02 In **Zone Type** select ☐ Detection, ☐ Alarm or ☐ Control zone.

03 Associate the selected Zone Type to a Building and Area from the respective drop down lists.

04 For the Notifier INSPIRE panel enter Network Zones in steps of 1-100 and then select **ADD**.

   Inspire Zones *

   1-100

   Note these zones are made available for selection in Zones Tool and can be edited, see ZONES.

05 You can add more Inspire zones, goto Step 02.

Legacy Network/Panel Zones

You can add Legacy Network Zones and Legacy Panel Zones to a site configuration having a network consisting of a mix of Notifier Inspire panels and Legacy panels, such as ID3K panels. This allows network control and indications functionality in managed areas.

The Legacy Network Zones can be entered in range 1-8192 in step range 1-1000.
Each entry appear in 'Zones tool' under building and managed area as Detection, Alarm or Control zones. Legacy Network Zones are added for Site wide use and made available for C&E configuration.

01   Select ⚙ **Settings,** _Zones_ and then **Legacy Zones** tab.

02   In **Zone Type** select ☐ Detection, ☐ Alarm or ☐ Control.

03   Associate Zone Type to Building and Area from the drop down lists.

04   For the Legacy Panel enter Legacy Network Zones/Legacy Panel zones in steps of 1-1000 /1-255 and then select **ADD**.

Legacy Panel	Legacy Zones *	Legacy Panel	Legacy Zones *
Networked zone ▼		Panel 001 ▼	
	Enter range (1-8192) to add Legacy Zones		Enter range (1-255) to add Panel Zones
	Enter in steps of 1-1000 to add Legacy Zones		Enter in steps of 1-255 to add Legacy Zones

Note these zones are made available for selection in Zones Tool and can be edited, see ZONES.
These added Zones are also made available for selection in the C&E.

05   You can add more legacy panel zones, goto Step 02.

Check integrity of Configuration

You can check the Integrity of the configuration entered in the Tool before it is sent to the panel. Any discrepancies are identified during this check and are shown for corrective action to be taken. Once integrity shows green it is ready for sending to the panel(s).

01   Select ✓ **Integrity check**.

02   Select **CHECK SELECTED PANEL**.

03   The display will show additional messages such as when there is no Cause and Effect rules defined and any "Warning" and "Error" messages.

04   Resolve the warning and error messages by making correction to the configuration.

05   Once all Panel's integrity have been individually checked then select **CHECK ALL PANELS** to complete networked Integrity. Resolve any issues.

06   Select **CLOSE** to exit.

Handling Modules

It is important to check and ensure all the Modules are correctly installed inside a Panel before configuration is sent from the Tool (the laptop) to a Panel, refer to the Installation instructions (HOP-138-9EN) for correct installation of Panel and Modules.

> ⚠️ Take the necessary precautions to prevent damage to static-sensitive components when handling the Modules.

Movement of Modules to different slots

> ❗ Any movement of a Module into a different slot location requires the Panel to be powered down first. Movement of Modules to different slot locations will also affect C&E configuration.

01   Ensure the Panel mains and battery standby supplies are both powered down.

02   Remove and fit modules in the required slot location.

03   Change wiring if required to reflect the module slot location at the Panel.

04   Re-configure Site->Panel at the Configuration Tool to reflect relocated Module(s) at the Panel.

05   Connect Tool to Panel and Synchronise and transfer the revised configuration to the Panel.
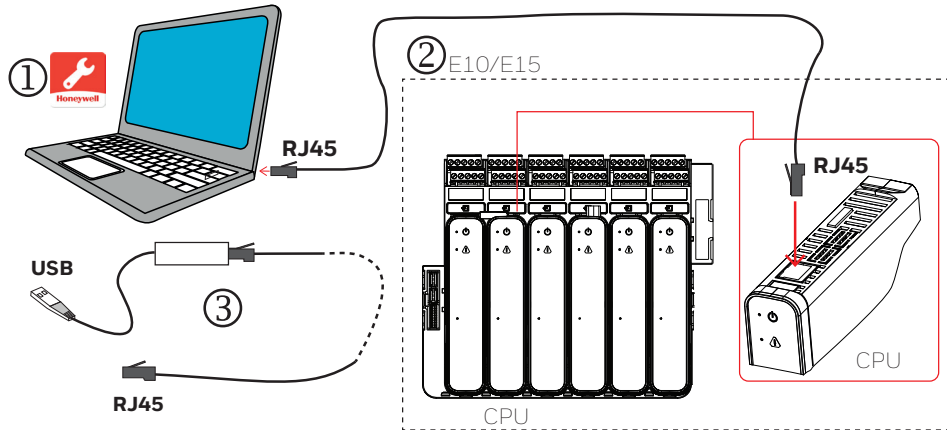
Synchronise

The CLSS Configuration Tool may only be connected to the Panel once the Panel is powered up and has been through its initialization routine.
The Panel configuration held at the Tool can be sent to the Panel using these steps.

⚠	Check the time set at Panel is identical to that at the laptop, if necessary adjust time at the Panel. Failure to do this may prevent the Synchronisation process.

01   Select the Panel whose configuration is in the Tool and is required to be sent to a Panel.

02   Using a standard CAT 5 RJ45 to RJ45 cable, connect one end to the laptop and the other end to the CPU RJ45 port inside the Panel. If using a cable with USB port connection to laptop then you may need technical support help to set IP address.

① CLSS Configuration Tool.
② Notifier Inspire panel.
③ Alternative Cable: USB to Ethernet Adapter.

> ⚠ When the laptop is connected to Panel and if Cisco AnyConnect is installed then a 'Connected to wired' message will appear on the bottom green bar of the Tool. If there is Synchronisation issue then try disconnecting VPN and WiFi. If laptop did not automatically switch to 'connected to wired' then see 'Network Connection' under 'Troubleshooting' in 'Appendix B'.

03 Ensure the required panel is selected for Synchronisation and then select ⟳ ⇄ **Synchronise** at the Tool. Check the Panel shows Access Level 3/4.
If synchronisation is not possible then check and ensure the WiFi is switched off, normally the WiFi is switched off automatically.

Send Configuration, License and Site Image files

Decide on which file(s) you want to Send from the Tool to Panel. You can send a Configuration file, License file or Site image file independently or All of these files together from Tool to Panel

01 Select a ⦿ ▣ **001 Panel** to configure and then select **SYNC.**

Synchronization

What action would you like to take?

⦿ Send files from Tool to Panel   ○ Read file from Panel to Tool

Which file would you like to send to Panel

⦿ Configuration file   ○ License file   ○ Site Image   ○ All Files

CANCEL   PROCEED

02 Ensure the ⦿ **Send Config** file from **Tool to Panel** is chosen.

03   Select which file you would like to send to the Panel, ⬤ Configuration file, ⬤ License File
⬤ Site Image file or ⬤ All Files.
If a Site Image is selected then an Image file must have been first uploaded under **Site Settings–> HMI
Settings –> Site Image. Image file can be .png 750kb size**

04   Select **PROCEED** and if there are warnings given during the Integrity Check then note these and if
necessary **CLOSE** and take rectification action before returning to Synchronisation.

05   Select **SEND CONFIG** to send the configuration data to the Panel. Note the panel will reboot automatically
and apply the new configuration.

06   Carrying out C&E tests to check the configuration received by the Panel works to building requirements.

Read Configuration, License and Site Image files

Decide on which file(s) you want to Read from the Panel to Tool. You can read a Configuration file, AL2/AL3
password, Engineering log or Audit log.

01   Select a ⬤ 🔲 **001 Panel** to configure and then select **SYNC.**

02   Ensure the ⬤ **Read file from Panel to Tool to Panel**.

03   Select which file you would like to read from the Panel, for example ⬤ Configuration file,
⬤ AL2/AL3 password, ⬤ Engineering log,- ⬤ Audit log or ⬤ **Event Log**.

04   Select **PROCEED** to Read from the panel then select **DONE**.
Some data can be synchronised with cloud by selecting **YES** and then select **DONE** on completion.

05   If AL2/AL3 passwords were read then you can check what they are by selecting **Panel** –> **Panel Settings**:

User & Access Management

Levels	Passcode								
AL2 password	2	2	2	2	2	2	2	2	
AL3 password	3	3	3	3	3	3	3	3	3

Panel License Details

The Notifier INSPIRE Panel is licensed by feature Licenses. If a Panel is not licensed then it will display a message ⚠ **Licence not found** 'License is not available and System functionality is compromised'.

> ⓘ Licenses cannot be revoked, taken back, once a license is generated, nor can it be transferred to different panels, including replacement panel where the panel has to be replaced due to hardware fault. Also note the license file is saved in the CLSS Site Manager Cloud portal and is also saved locally for Off-line license transfer to Panel.

LICENSING NETWORKED PANELS

It is important for each networked Panel to be disconnected from the Network before installing the licenses. Once all the Panels are licensed their connections to the network must then be reinstated. Failure to do this will cause a 'No license found message' to appear on the Panels in the network.

IMPORT LICENSE FILE USING OFF-LINE .BIN FILE

The off-line method makes use of a License file (a .bin file) generated using CLSS Site Manager Cloud portal. The file is downloaded and saved locally, see Licensing a Notifier INSPIRE Panel Using CLSS user guide (4188-1125-EN). The license file is subsequently imported into the tool to license a connected Panel.

> ⓘ 1. Ensure that the Panel has a CPU serial-number to work with Licenses.
> 2. Synchronise the Tool to Panel to retrieve the CPU serial-number for the Panel if it is not present already in the Inspire Panel box.
> 3. Ensure Panel is Connected to Send the License to Panel.
> 4. New/More features can be assigned to the License by connecting to Internet and clicking on Assign License button.

01 Select the required 'Site' and select **GOTO SITE**, then select a 'Panel' to license.

02 Select **IMPORT LICENSE FILE (.bin)** button. Note a license file is stored in location: **C:\Users\USERNAME\LicenseFiles.** Locate and select the .bin file that was previously created and downloaded from CLSS Site Manager Cloud portal. Select the **Open** button and note a "**Valid File Imported"** message will appear on completion.

The Panel License Details show the type of license, if it is Assigned to the panel and if it has been Configured with the panel.

Panel License Details		ⓘ
License	Configured	Assigned
UK	1	1

RED – Number of features configured on the Tool is more than the number of features assigned to the license.
GREEN – Number of features assigned to the License is equal to or more than the number of features configured on the Tool.

ASSIGN LICENSE FROM CLOUD WITH ON-LINE LICENSING

These on-line procedures require Tool to be connected via internet to CLSS Site Manager Cloud portal for available Licenses to be displayed in the Tool for 'Adding' to a Customer Site, Building and Panel. This assumes the Panel has entitlement to Licenses, see Licensing Notifier INSPIRE Panel Using CLSS (4188-1125-EN) for more information. Once Licenses are associated with the Panel a license file (a .bin file) is generated and saved locally. The license file is subsequently imported using the Tool and sent to the connected Panel.

01 Ensure your laptop is connected to the internet.

02 Select the required 'Site' and select **GOTO SITE**, then select a 'Panel' to license.

03   Select **ASSIGN LICENSE FROM CLOUD** button. A license file is created and stored in location: **C:\Users\USERNAME\LicenseFiles.**

04   Check Panel Serial Number: xxxxxxxxxxx is the same as Panel CPU serial number.

05   Select the required number of 'Licenses to Assign' from 'Available Licenses'.

Licenses To Assign

Licenses Type	Licenses Available	Licenses To Assign
Legacy Interfaces - TPP	35	− 0 ⊕
Clip Mode	52	− 0 ⊕
UK	55	− 0 ⊕

06   Select the number of Licenses required by clicking on + or − , to add or remove Licenses.

07   Select the **GENERATE LICENSE** button. A new license file is created and stored in location: **C:\Users\USERNAME\LicenseFiles.**

Retrieve loop devices

The 'Synchronise file from Panel to Tool' feature is used in two ways:
◘ to populate devices on loops of a panel for the first time or
◘ it can be used to read newly added devices on loops to existing site configuration of a Panel held at the Tool.
   This benefits not having to manually populate new devices on loops using the Add Devices feature in the Tool.

Ensure the loop(s) have the newly added devices and or different device heads in the required address locations.

01   Connect the Tool to the Panel and **GO TO SITE**.

02   Select 🔄 **Synchronise**.

03   Select 'O Read file from Panel to Tool'.

04   Observe download of first time 'Read' of all loop devices to the Tool.
Or observe revised loop data is downloaded from Panel to Tool, where the existing site configuration is held.

05   Configure all the devices on loops of a panel or configure just the newly added devices read to an existing panel configuration. For each case ensure the Cause and Effect is configured.

06   Test the system for correct behaviour in Event conditions.

Export Configuration

To create an export configuration file for upload to CLSS Site Manager Cloud portal.

01   Click- **Export Configuration** and note an automatic 'Integrity Check' is performed on all Panels associated with the Site.

02   Select **GO ON AND EXPORT**.

03   Wait for 'Successfully Exported' message to appear and then select **OK** to acknowledge.

04   Open the C:\Users\USERNAME\PanelFiles\ directory, the exported Configuration file is located in this directory.

Configuration Back up

To back up the configuration held in the Tool to CLSS Cloud.

01   Click **Configuration Backup** and note an automatic 'Integrity Check' is performed on all Panels associated with the Site.

02   Select **PROCEED WITH BACKUP**. Enter a backup file name. and select **PROCEED.**

03   When configuration is successfully sent to cloud then select **OKAY** to complete.

Language Change

You can change the language of the Tool with the displayed text appearing in the required language.

01   Click the down arrow ∨ located on the top right side of the screen, next to User.

02   Select the language option.

03   Select a language.

04   Log out of the Tool and run the Tool and sign in. Note the Tool language changes to the set language.

Change Panel's AL2 password

It is recommended the Access Level 2 password is changed from time to time to a unique password having between 4 and 8 digits, see Commissioning Manual, section headed 'Change AL2/AL3 Passcode'.

Appendix A
MANAGED AREAS

The 'Managed Areas' functions provide Networked Notifier INSPIRE and ID3K Panels to display events and provide mandatory fire alarm controls for specified areas of a buildings. This allow responsible person to locally manage the Fire Alarm System incidents with centralised capabilities on designated Panels.

◻ Managed Area manages a Notifier INSPIRE EN Panel and equivalent Sector in ID3K Panel.

◻ Each Panel by default gets assigned to one 'Managed Area'.

◻ The Controls# and Event* scope can be defined in Tool for each Panel.

◻ By default the Panel will have Control# scope of parent 'Managed Area'.

◻ By default Panel will have Event* scope as "ALL EVENTS" for the parent 'Managed Area'.

◻ User can add additional Control and Event scope for more 'Managed Areas' to any panel.

◻ If any panel has control and event scope for all 'Managed Area' in a site, then that's the Master Panel.

- Controls like Silence-Resound, Reset, Mute Buzzer, Extend Delay and Override Delays.

* – Fire, Fault, Disablement or Test
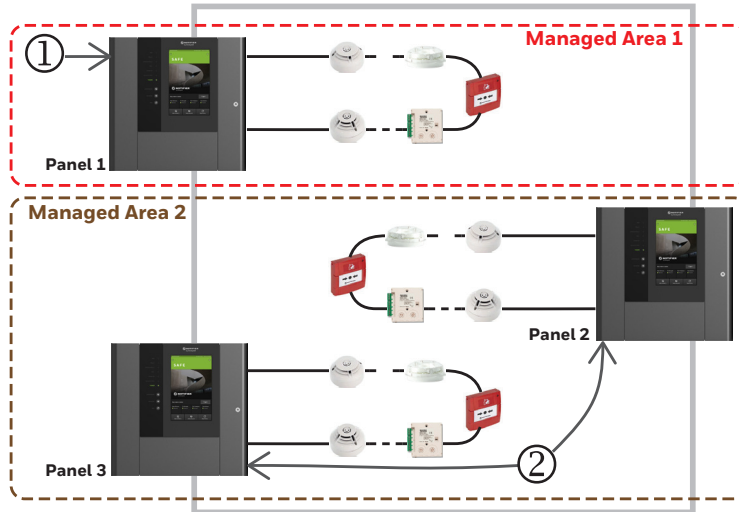
Example of Site-Wide Managed Areas
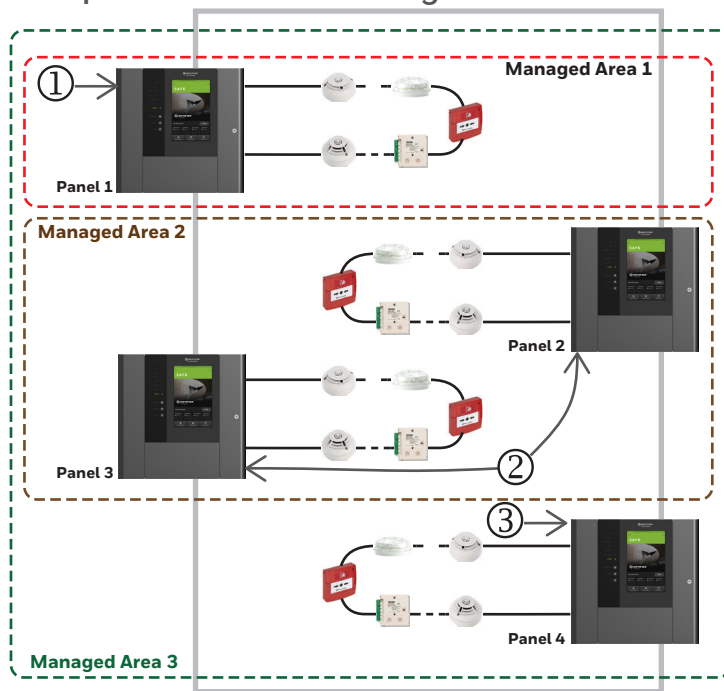
Configure Panel 1 in the networked system assigned to Managed Area 1, Panel 2 assigned to Managed Area 2 and Panel 3 assigned to Managed Area 2. Configure Panel 4 assigned to Managed Area 3. The scope of Panel 4 is extended to include Managed Areas 1, 2, and 3. The Mandatory Control is 'Site-Wide'.

An ID2NET network can have Notifier INSPIRE / ID3K panels.

① All Fire, Fault and Disablement Events from Panel 1 are displayed only at Panel 1 and Panel 4. The user is only able to Silence and Reset the Managed Area 1 from Panel 1 and Panel 4. The user is only able to disable/re-enable points in Managed Area 1 from Panel 1 and 4.

② All Fire, Fault and Disablement Events from Panel 2 are displayed on Panels 2, 3 and 4. The user is only able to Silence and Reset the Managed Area 2 from Panels 2,3 and 4. The user is only able to disable/re-enable points in Managed Area 2 from Panels 2,3 and 4.
All Fire, Fault and Disablement Events from Panel 3 are displayed only on Panels 2, 3 and 4. The user is only able to Silence and Reset the Managed Area 2 from Panels 2,3 and 4.

③ All subsequent Fire, Fault and Disablement Events from Panel 4 are displayed on Panels 4, 1, 2 and 3 The user is able to silence and reset the Managed Area 3 from Panels 4, 1, 2 and 3. The user is able to disable/re-enable points in Managed Area 3 from Panel 4, 1, 2 and 3.

Example of Default Managed Areal
(Default settings)

Configure Panel 1 in a networked system and assign it to Managed Area 1, Panel 2 assigned it to Managed Area 2 and Panel 3 assign it to Managed Area 2.

① All Fire, Fault and Disablement Events from Panel 1 are displayed only at Panel 1. The user is only able to silence and reset the Managed Area 1 from Panel 1.

② All Fire, Fault and Disablement Events from Panel 2 are displayed only on Panel 2 and 3. The user is only able to silence and reset the Managed Area 2 from Panels 2 and 3.
All Fire, Fault and Disablement Events from Panel 3 are displayed only on Panel 2 and 3. The user is only able to silence and reset the Managed Area 2 from Panel 2 and 3.

Central control and indication of a network

A Notifier INSPIRE network installed in a site can be configured to behave in a hierarchical manner comprising of a 'Master INSPIRE Panel' being able to indicate events of and be able control other Notifier INSPIRE panels. This requires all the affected Notifier INSPIRE panels to be placed in a managed area.

You can then configure a Master Notifier INSPIRE panel to provide indication of events occurring at other Notifier INSPIRE panels in the network and provide essential controls for events occurring at those panels, see Panel 'HMI SETTINGS'.

MANUAL EVACUATION BUTTON

This is a configuration setting in the Tool for the 'Evacuate' control button to appear on the HMI at a-Notifier INSPIRE Panel. The 'Allow manual evacuation' feature is made active at the panel by checking a box in the Tool located under 'Site Settings' -> 'HMI Settings'. Operation of the 'Evacuate' control button causes all Alarm Zones to activate site wide alarm in the event of a fire being detected.

A 'Manual Evacuation' can also be linked to Managed Area to activate Control Zone, Output Point and Remote LED, see heading 'Cause and Effect Rules.'

SENSOR SENSITIVITY PROFILES

This is the configuration setting in the Tool for required sensitivity for each Fire Sensing device connected to the Panel's loop circuits, used to optimise sensor performance and minimize the possibility of false alarms, for a variety of building environments.

◻ Device sensitivity settings can be selected for each sensor device individually to ensure each device provides the best possible detection in the area maintaining an acceptable risk of false alarms occurring.

◻ Pre-configured default sensitivity settings can be overridden to allow for operational changes in building usage, for example when the building is occupied/unoccupied or when some special process is going on that requires sensitivity settings to be adjusted to prevent unwanted alarms, for more information see section headed 'Sensitivity Profiles'.

AUDIBLE AND VISUAL ALARM SIGNAL PROFILES

This is the configuration settings in the Tool for characteristics of the output signals given by Fire Alarm Devices, including Sounders, Strobes and IO channels, for each type of Alarm Signal (e.g 'Alert' or 'Evacuate') used on a Site, so that the signal is consistent across the networked panels and is aligned with the site's evacuation requirements, see 'Alarm Profiles'.

NOTE: Alarm Profiles define the character of the alarm signals and also define the actions (if any) to perform when the devices are subsequently 'silenced'.

HOW TO CONFIGURE ALARM SIGNALS

This is the configuration settings of the cause and effect rule(s) that can apply a specified alarm signal to one or more Alarm Zones in response to specific change in input status, such as during a fire condition.

Example steps to configure:

01　Define the Alarm Signals to be used on Site.

02　Define the Alarm Zones.

03　Assign Fire Alarm Devices to Alarm Zones, see 'Zones'.

04　Set Up Alarm Profiles for Sounders, Visual Alarm Devices and Alarm Output Channels and associate them to the devices, see 'Alarm Profiles'.

05　Set up the Cause and Effect rules to broadcast signals to Alarm Zones on change of input status, such during the occurrence of a fire event, see 'C&E'.

AUTOMATIC DOOR CONTROL

The self closing door as per NEN2535 standard apply to the Netherlands region. This is where fire doors are required to be closed if specific detectors, zones or door control hardware are disabled or faulty and also once every 24 hours.

Door Control Unit can be configured as:
◻ Output Point Type: FIRE PROTECTION OUTPUT
◻ Application Type: RELEASE DOOR

> ⚠ If configured as FIRE PROTECTION OUTPUT then if FIRE PROTECTION OUTPUT is enabled or disabled then this will also enable or disable the Door Control Unit operation.

Door closure with a Fire input

01 A Fire input from an associated Detection Zone(s) is configured to activate a Control Zone of the Fire door to close.

02 When the Detection Zone is reset and with Fire input return to normal operation for this set the Control Zone configuration to deactivate the Fire door to open.

Door closure with Detection Zone Fault, Detection Zone Disabled or Door Controller Unit fault.

01 The associated Detection Zone Fault is configure to activate a Control Zone of the Fire door to close.

02 The associated Detection Zone Disablement is configure to activate a Control Zone of the Fire door to close.

03 Where a Fire door has a Fault then the associated Control Zone can be configured to activate the Control Zone of the Fire door to close.

Door closure with a Non-Fire input, such as from a keyswitch.

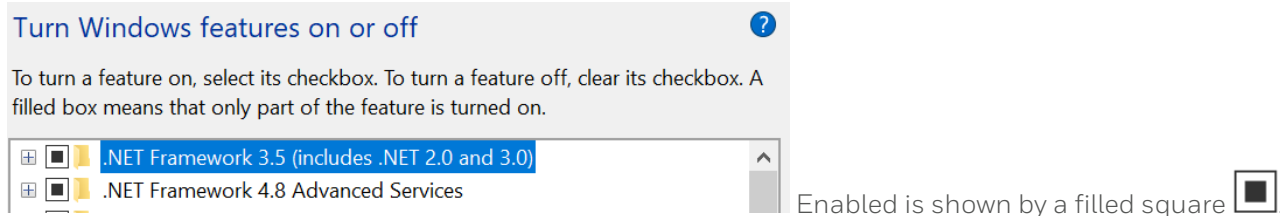01 The Control Zone associated with a keyswitch is configured to active the Control Zone of the Fire door to close.

Appendix B
TROUBLESHOOTING

ENABLE DOT NETFRAMEWORK

When using a Laptop with CLSS Configuration Tool it is important to check and enable .NETFramework 3.5 to permit transfer of certificates from CLSS Configuration Tool to the Notifier INSPIRE Panel. To do this:

01   Start Menu > Control Panel > Programs and Features >

02   Select 'Turn Windows features on or off', it is located on the left of the screen.

03   Check and ensure .NET framework 3.5 is enabled and click OK .

Turn Windows features on or off   ?

To turn a feature on, select its checkbox. To turn a feature off, clear its checkbox. A filled box means that only part of the feature is turned on.

⊞ ■ 📁 .NET Framework 3.5 (includes .NET 2.0 and 3.0)
⊞ ■ 📁 .NET Framework 4.8 Advanced Services   Enabled is shown by a filled square ■ .

04   Restart the laptop before using CLSS Configuration Tool to transfer certificates.

BASE SOUNDER STROBE DEVICES FREQUENCY SETTING

Synchronised operation of the visual part of legacy and recent Audio Visual (AV) devices requires DIL switch (SW8) set to 1 Hz flash rate at each recent device like the NFXI-BSF-WCS and NFXI-BSF-WCH, when installed on the same Notifier INSPIRE loop.

Note 1. The recent devices NFXI-BF-WCS and WxL-yC-IO2 can only operate at 0.5 Hz flash rate.

Note 2. Compliant EN54-23 operation requires loop AV devices to be set to 0.5 Hz for a higher light-output of visual alarm.

NETWORK CONNECTIONS

There are some laptops that may have dual network connection, which is not supported in CLSS Configuration Tool.

If switching between Internet (WiFi/External LAN) and Panel LAN does not happen automatically then:
◻ For synchronisation to work ensure WiFi is turned Off at the laptop before connecting to Panel.

Select and goto the connected WiFi the select **'Disconnect'**.

Using the License feature:
◻ To get Licenses using the Tool, disconnect LAN from Panel, that is disconnect PANEL from laptop, before connecting to CLSS Site Manager Cloud portal to generate license

Appendix C – Sensitivity Profile

Using the Tool you can set sensor sensitivity profiles and apply the sensitivity profile to sensor device and configure C&E activation by a swich input to change sensitivity of selected Devices , Zones and managed Areas.

Example 1: How to configure sensor sensitivity profiles.

01 Select Settings ⚙ and then <u>Sensitivity Profiles</u>.

02 Select a sensor and then select Edit ✏.

03 The description reads Default profile, which can be edited if required

04 Select a required sensitivity setting for 'Alarm Level' and if it is a multisensory then select a Thermal mode and set an applicable sensitivity.

05 Select **DONE**.

06 Select Edit ✏ for the second profile, this is only applicable for a multisensor like Smart4.

07 Repeat steps 02 to 05 for the second profile.

Example 2: How to select and set profiles of a sensor device.

01 Select Panels 🔲 and select a Panel.

02 Select the required Loop module and then a Loop.

03 Select a sensor device whose sensitivities are required to be set.

04 Scroll down to 'Device Sensitivity' and select the required normal and alternative sensitivity from the drop down selection.

05 Select **DONE**.

Example 3: How to configure alternative sensitivity state operation of Device(s), Zone(s) or Managed Area(s).

This example uses a switch input to activate alternative profile.

01 Select C&E Rules and select ⊕ **New Rule**

02 Select 'Activation' as Input Condition.

03 Select Control Input point(s) and then an apply an Operand OR, AND, NOT or ANY and then select **ADD POINT**.

04 Select 'Action Output' as Alternate Sensitivity.

05 Select Action on Detection Zones / Managed Areas or Detection Points and select the required check boxes and then select **DONE**.

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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