GENT
by Honeywell

User guide

Nano Commissioning Tool
V3.xx



Contents

Nano Commissioning Tool - - -

Preface

This is the fourth issue of the User guide for V3.0 Nano Commissioning Tool which is used to commission a Nano panel based system having Main Control Card at V3.12.

Associated documents

4188-949 Nano Commissioning Instructions
4188-948 Nano Data and installation instructions
4188-947 Nano Operating instructions

Conventions

This is a note to highlight important text that is normally hidden in the main text.

This is either a caution to prevent damage to the equipment or a warning to inform of dangerous conditions that may result in injury or death.

Nano Commissioning Tool

The Nano Commissioning tool is used to configure and label devices in a Nano panel based fire detection and alarm system. These instructions cover how to install the tool, use the functions of the tool to enter preliminary information about the system, retrieve devices from the panel, configure and label the whole system and transmit the configuration to the panel. Additionally this tool has command functionality that can directly control the panel, to sound alarms, silence alarms, reset system, simulate fires and enable/disable devices, zones and sectors.

How to get the Nano Commissioning tool program

The Nano Commissioning tool software program can be downloaded from the Gent Expert forum : (www.gentexpert.co.uk).

The website is accessible to registered Gent System Integrators. If you have not registered then simply click on the 'registration link' and follow the on screen instructions.

You should download the Nano Commissioning tool software from Gent Expert forum to a directory.

Installing the Commissioning tool program

The Nano Commissioning tool software can run on most laptops having Windows 10 (32 bit and 64 bit), (Windows 8 (32 bit and 64 bit), Windows 7 (32-bit and 64-bit).

The Nano Commissioning tool software checks the version of DOTNET Framework and Crystal Report Runtime and does an upgrade if necessary.

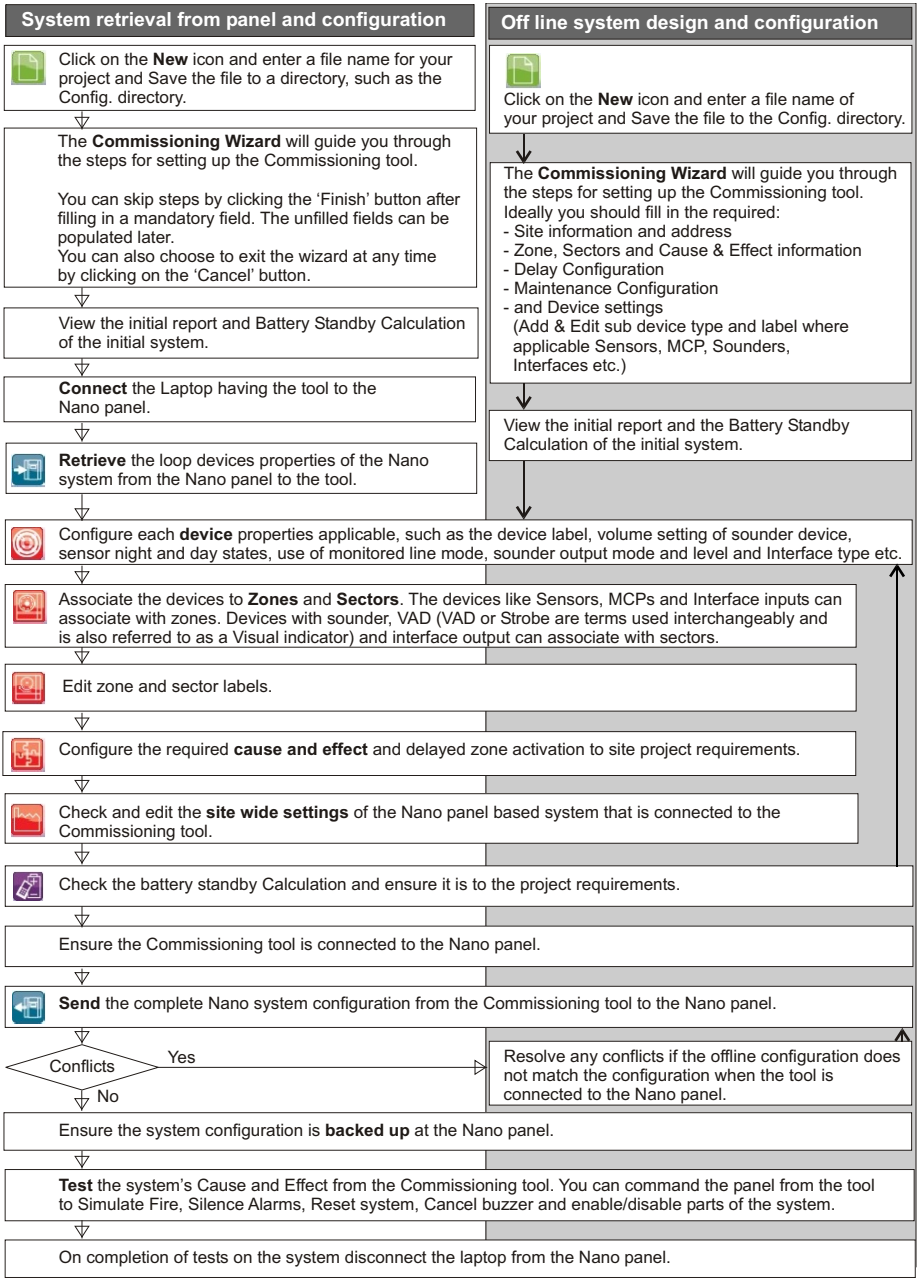
- ☐ Find the directory that holds the Nano Commissioning tool software and double click on **Setup.exe.** Follow the on screen instructions to complete the installation**.**
- ☐ After the tool installation and if necessary install the USB driver for the Nano panel located: START -> All Programs -> Nano Commissioning Tool -> *Install USB Driver*.

Upgrading the Commissioning tool

Before you upgrade or downgrade your Nano Commissioning tool software you must first remove the existing Nano Commissioning tool software from your computer.

- ☐ START->Control panel-> *Programs and Features*.
- ☐ Scroll through the current programs list and select the Nano Commissioning Tool and click on the 'Remove' button.
- ☐ Follow the on screen instructions and once the previous program is removed you can then install the upgrade or downgrade by following the procedures for 'Installing the Commissioning tool'.

Commissioning process using the tool



Compatibility

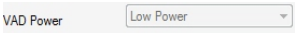
A V3.xx Nano Commissioning tool is used to retrieve V3.xx Nano panel based system configuration. A configured file can then be transmitted back to the panel.

The V3.xx Nano Commissioning tool can also take a V1.xx or V2.xx Nano panel system configuration file, but the file can only be saved as a V3.xx Configuration file.The V1.xx or V2.xx Nano panel will require a V3.x MCB upgrade to allow the transmission of the saved configuration file from tool to the panel.

It is not possible to restore a V1.x or V2.x configuration file once it is opened and saved using a V3.0 Nano Commissioning tool.

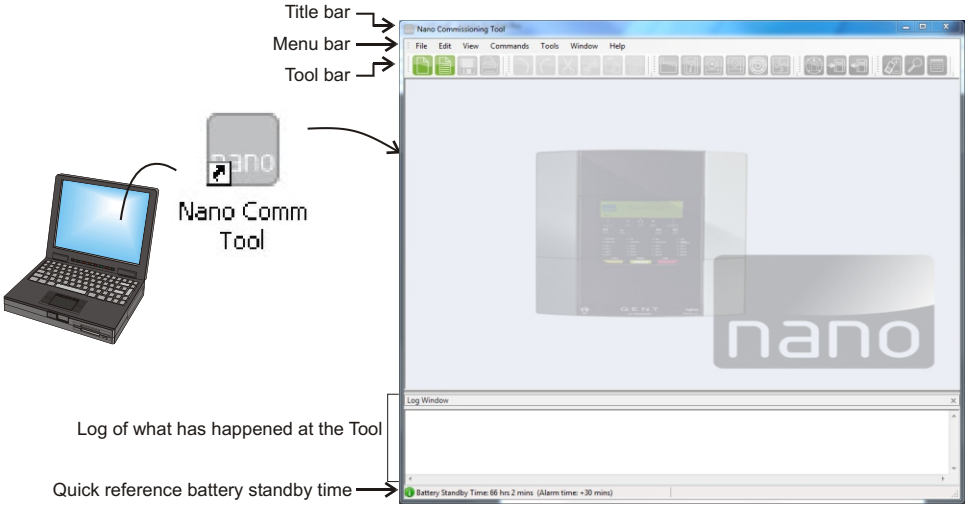
Part 23 Compatibility

☐ A V3.x Nano panel based system can accept part 23 devices to operate in compatibiliy mode only, where all VADs (also referred to as Strobes or Visual indicators) operate at non configurable low power rating:



Starting the Nano Commissioning Tool

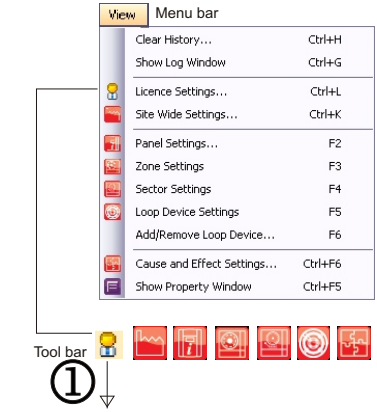
You can start the Nano Commissioning tool by clicking on the Nano icon or by selecting the Nano tool from the windows programs menu,ie Start -> All Program -> Nano Commissioning Tool -> 'Nano Comm tool'.

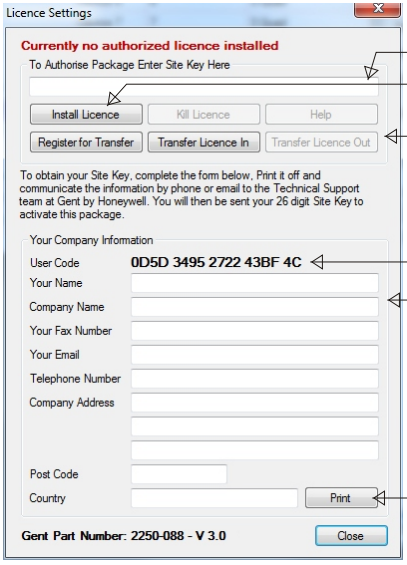


How to obtain a Licence for the tool

It is possible to use the commissioning tool 'offline', that is disconnected from the Nano panel, in order to prepare configuration data and run battery standby calculations without the need to Licence the tool. A Licence is required before attempting to connect the commissioning tool to the Nano panel in order to upload/download the configuration data to/from the control panel.

To obtain a Nano Commissioning tool Licence you will need to get a Site Key from Technical Support to activate the tool, follow steps 1 to 4.





④

Enter the **Site Key** here and then select the **Install Licence** button and follow the on screen instructions. You will receive a message: "Licence is Successfully installed" when it is fully installed.

The Nano Commissioning tool License can be moved from one computer to another by using the **Transfer Licence Out** and **Transfer Licence In** buttons. This ensures only one computer can run a licenced copy of the tool.

User Code

②

Enter your name and company details.

③

Printout the details entered using the 'Print' button. Note the unique **UserCode** is required to obtain a **Site Key.** **Phone** or **email** the details on the printout to the Technical Support Team at Gent by Honeywell:

Email: technical.services@honeywell.com
Telephone: 0116 246 2134

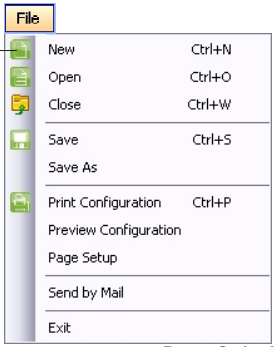
You will receive a unique **Site Key**, which is a long alphanumeric code for entry, see ④.

You can transfer the Licence from one computer to another using the 'Transfer Licence Out' and 'Transfer Licence In' functions.

How to create a 'New' project file

The first step is to create a new project file and follow the wizard to enter the preliminary details about the site.

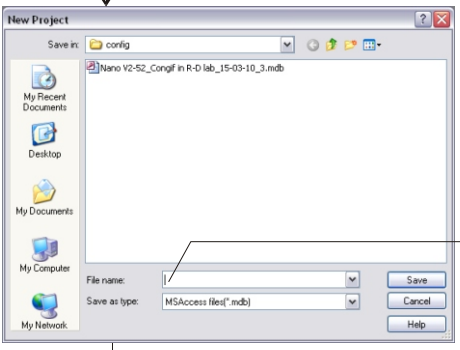
Menu bar



Tool bar

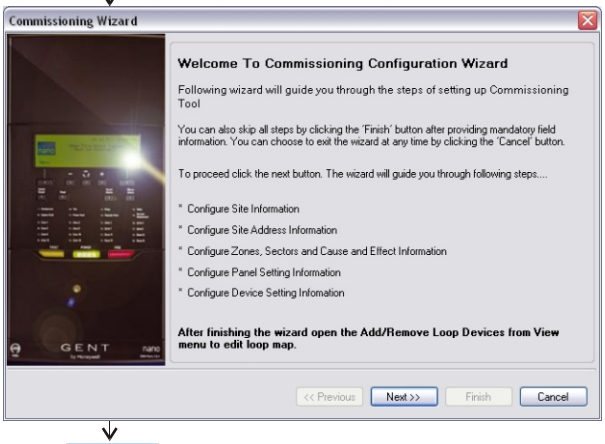


Press **Ctrl + N** or select the **New icon** or **New** from the *File* menu to create a new project file, which can be saved to a directory. The new project file will be a MSAccess file. (**xxx.mdb**).



Select 'config' folder from the Nano directory

Enter a file name here.



The **Commissioning tool Configuration Wizard** will guide you through the steps for entry of:

- □ Site information
- □ Site Address
- □ Number of zones and sectors
- □ Required Cause and Effect
- □ Customer Message
- □ Maintenance message configuration
- □ Devices in the system

A field marked with an * is where mandatory data entry is required.

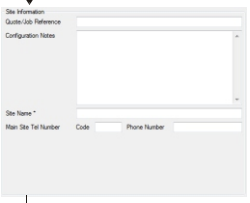
Select 

and continue, see next page.

Commissioning Configuration Wizard

The wizard will guide you through entry of all the system information, however majority of the entries after step ③ are only necessary for off-line configuration.

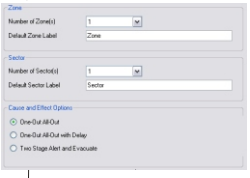
A field marked with an * is a mandatory entry.



① Site information
- Quote/Job Reference
- Configuration Notes
- * Site Name
- Telephone number



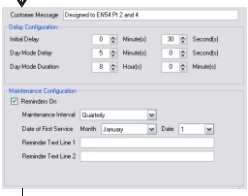
② Site Address
- Address
- City
- County
- Postal Code
- Country



③ Zone
- Number of zones & label

Sector
- Number of sectors & label

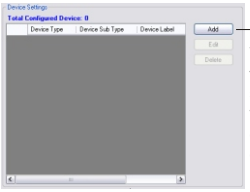
Cause and Effect options
- One out All out
- One out All out with Delay
- Two Stage Alert and Evacuate



④ Customer message

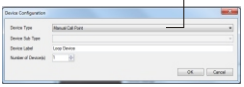
Delayed Configuration
- Initial delay, day mode delay Day mode duration

Maintenance configuration
- Interval, date of first service
- Reminder text to be displayed

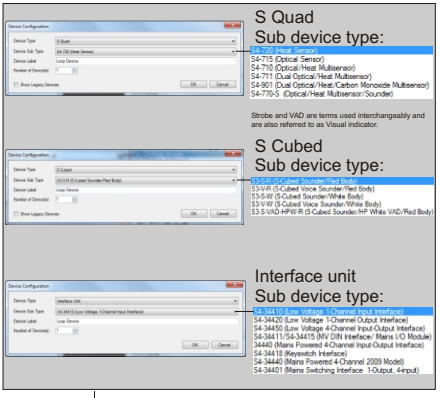


⑤ You can add devices for an off line designed system and edit device type, sub device type and label where appropriate.

⑥ Device types:
- Manual Call Point
- S Quad
- S Cubed
- Interface Unit
- T-Breaker
- Beam Pairs (Reveiver and Tranmitter)



⑦

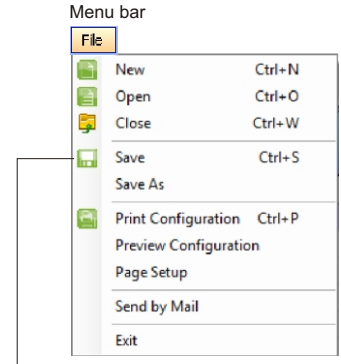


⑧ Finish → ⑨ Display of report status and then the battery calculation of system devices and configuration entered

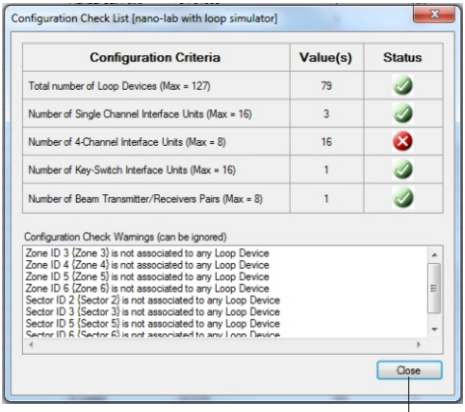
How to 'Save' a project file

Once the information is entered in the tool you must save the data to the project file.

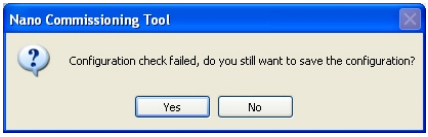
It is a good practice to save work on a regular basis, every 15 minutes, to avoid loss of entered data.



Select the **Save icon** or **Save** from the *File* menu to save any changes made to the Project file.



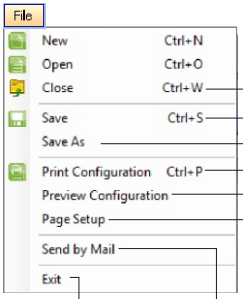
If there are discrepancies in the entered values that do not meet the configuration criteria, then the **Configuration Check List** window will pop up. For example if the maximum number of loop devices, interface units, keyswitch interfaces, beam sensors are exceeded then this window will appear to provide a warning that corrections are required. In this example the check has failed because there are more than 4-channel interfaces on the loop than the maximum number allowed.



You can select 'No' and amend the configuration to pass the check and save the configuration

File Menu options

Menu bar

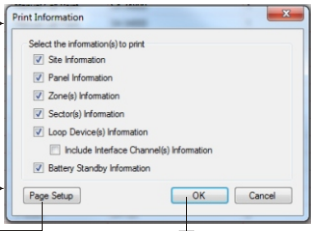


Press **Ctrl + W** or select **Close** from the *File* menu to close the project file without saving the configuration and labels.

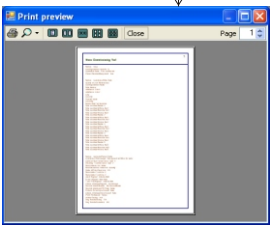
Press **Ctrl + S** or select the **Save icon** or select **Save** from the *File* menu to save the configuration and labels to the project **xxx.mdb** file.

Select **Save As** from the *File* menu to save the project file under a new filename **yyy.mdb.**

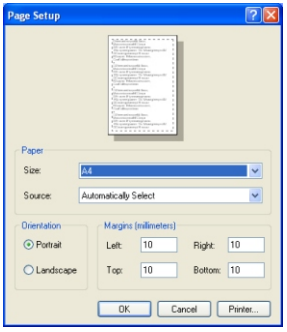
Select **Exit** from the *File* menu to close the Nano Commissioning tool.



Select the **Print Configuration icon** or select **Print Configuration** from the *File* menu and check the information to be sent to the printer.
You can check:
- Site information
- Panel information
- Zone(s) information
- Sector(s) information
- Loop Device(s) information
- Include interface channels information
- Battery Standby Information

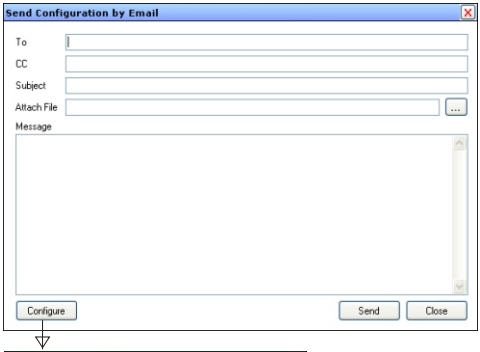


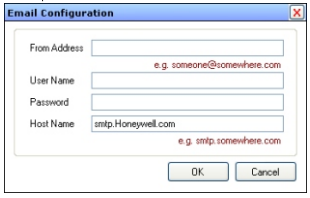
Select **Print Preview** from the *File* menu to display the actual layout of the printed page on your laptop. You can look at all the pages of the printout, view details of the page by zooming in to the printable area.



Select **Page Setup** from the *File* menu to define the print settings, which includes paper size, source, orientation and margins. If printing is via a network connection then you can select any networked printer.

You can attach a project file and send it via email to others.

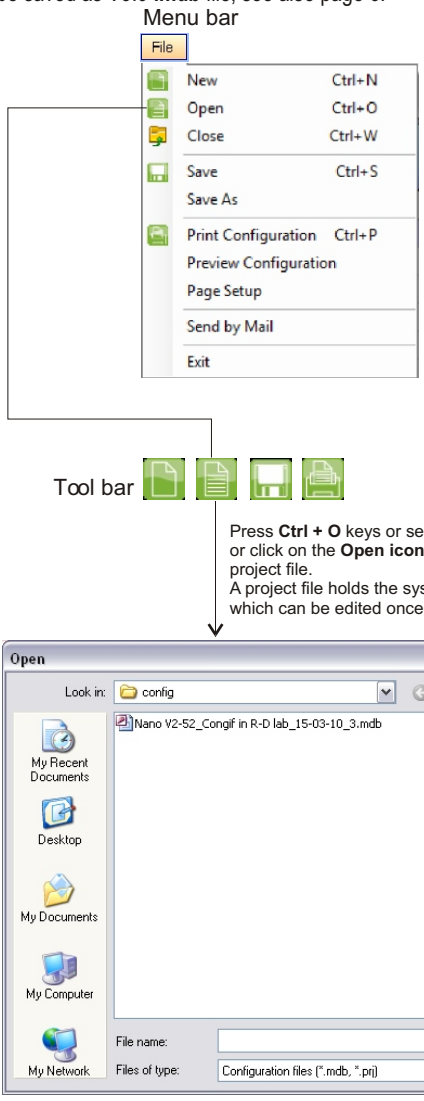




This is where you declare the smtp host before the configuration is emailed.

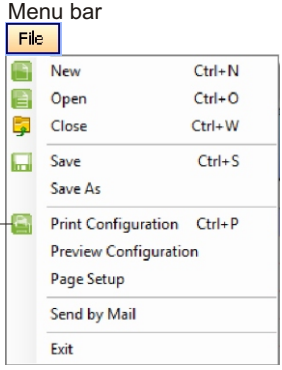
How to 'Open' an existing project file

The V3.0 Nano Commissioning tool can accept a configuration file created using Nano V1.x or V2.x Commissioning Tool, however once a V1.xx **.prj** file and V2.x **.mdb** file is opened in V3.0 tool the file can only be saved as V3.0 **.mdb** file, see also page 6.



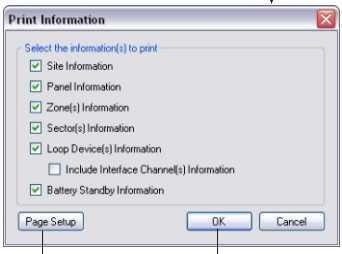
How to 'Print' selective configuration

Menu bar



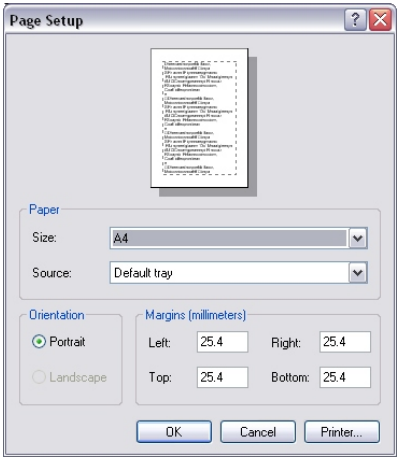
Tool bar 

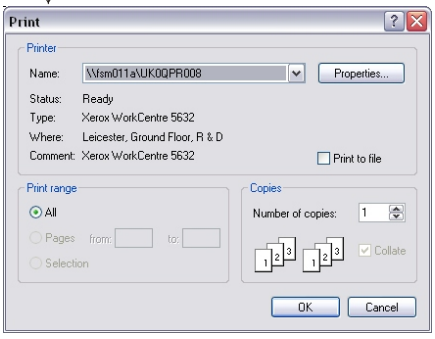
Press **Ctrl + P** or select **Print Configuration** from the *File* menu to print the Nano system configuration and labels to a connected printer.



You can select the information you want printing:
- Site information
- Panel information
- Zones information
- Sector(s) information
- Loop Device(s) information
  - To include interface channels information
- Battery Standby information

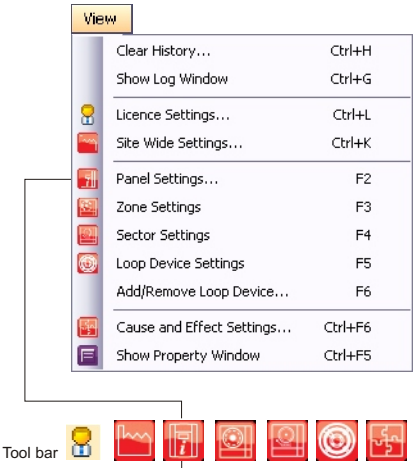
You can select a printer to print to and change properties settings if required.



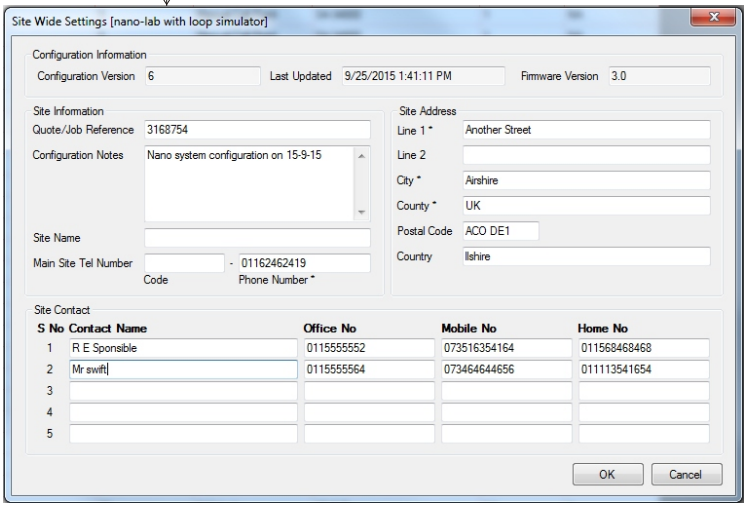


You can specify the paper size, page orientation, margins and select the printer to which information is printed.

How to enter 'Site Wide Settings'



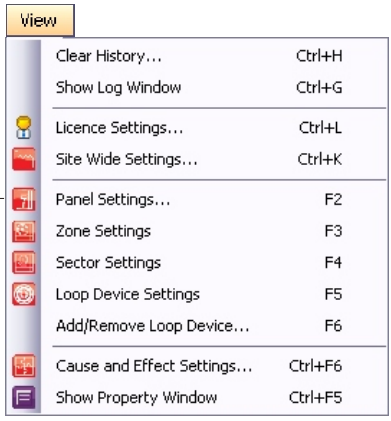
Select the **Site Wide Settings icon** or **Site Wide Settings** option in the *View* menu or press the **Ctrl + K** keys to allow entry of information like: Quote/Job reference number, configuration notes, site name, phone number, address and site contact details (details of Responsible persons).

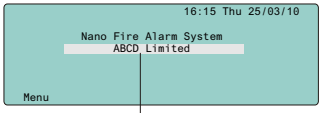


Note the field marked with an * is a mandatory entry.

How to enter the 'General' values of Panel Settings

The general panel settings have options to set the use of External Evacuate Input, Class Change Input, Printer port usage and Repeat indicator panel. The form allows entry of the current taken by the Master Alarms and External 24V DC output. The Maintenance configuration entries include reminder settings of interval, Date of first service and the reminder text.

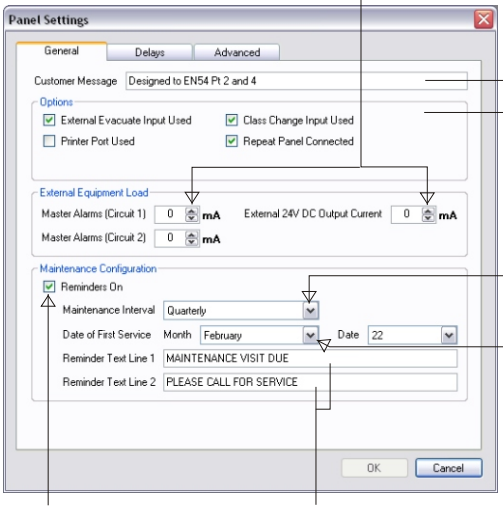




Tool bar

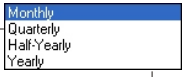
Select the **Panel Settings icon** or **Panel Settings** option from the *View* menu.

Enter a current value in 'mA' taken by the master alarm circuits and the external 24V Output. A value of up to 200mA maximum for each circuit is allowed.



This 'Customer message' that appears on the panel display in place of the Gent by Honeywell.

Click on the required check box if it is used: **External Evacuate Input, Printer Port usage, Class Change Input** and **Repeat indicator panel.**





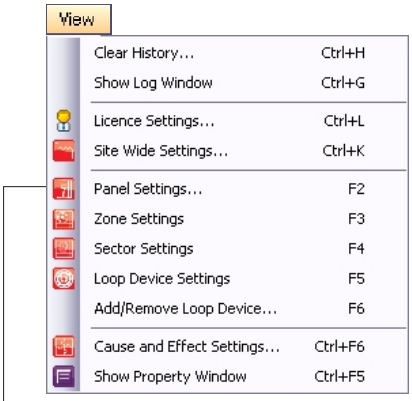
Set the Maintenance Reminder interval to Monthly, Quarterly, Half Yearly or Yearly from the date of first service.

Click the check box to switch On the Maintenance Reminder function.

In these two lines you can enter the Maintenance Reminder text, to include how to contact the servicing organisation.

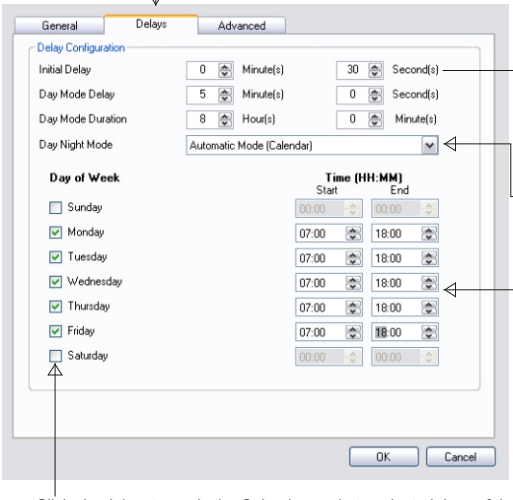
How to enter 'Delay' values of Panel Settings

The delays settings have a number of options, to enable the weekly fire test settings for selected days of the week, with start and end time entry as 24hour clock. The Day Night Mode can be set to Night Mode, (delays permanently Off), Manual (Day/Night mode selected by user), Automatic (Calendar) or Day Mode (Delays permanently On).



Tool bar

Select the **Panel Settings icon** or **Panel Settings** option from the *View* menu and then select the *Delays* tab.



These settings apply delay to alarm activation upon pressing of the Verify button on the panel.
- Initial delay has a factory setting of 30 seconds
- Day mode delay has a factory setting of 5 minutes
- Day mode timeout duration has a factory setting of 8 hours and can be up to 24hours.

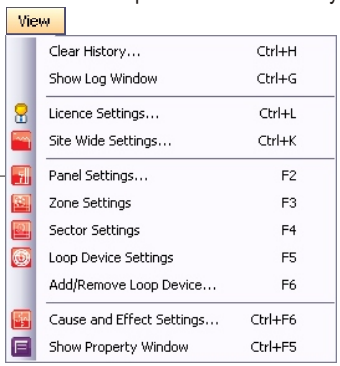
You can set the Day Night mode. To operate in:
- **Night mode**, that is with delays permanently Off
- **Manual mode**, that is with the delays as set above when Verify is selected by the user.
- **Automatic mode**, that is with delay as set above with day of the week start time and end time as selected.
- **Day mode**, that is with delay permanently On.

For automatic Calendar select the days of the week when delay is required and define the Start and End time of the delay.

Click check box to apply the Calendar mode to selected days of the week.
This example shows Monday to Friday being checked for Calendar mode operation.

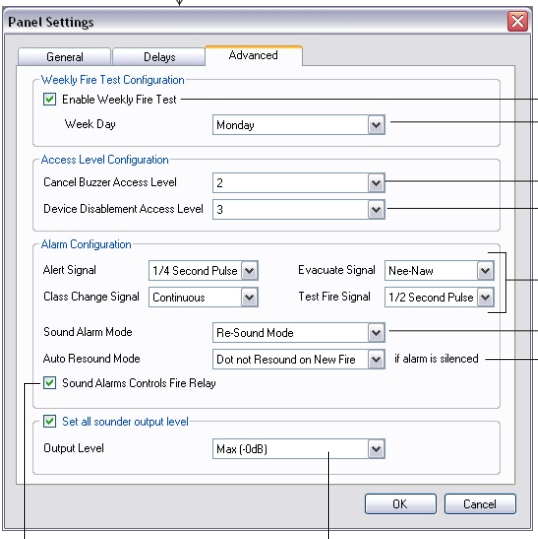
How to enter 'Advanced' values of Panel Settings

The advanced panel settings have a number of options, to enable the weekly fire test configuration and allow selection of the test day. Change of access level at which the panel buzzer and device disablement test is operable. The 'Alarms configuration' to include change of signal for Evacuate, Alert and Class change, plus Sound Alarm mode of operation and Fire Relay operation with the Sound Alarm button.



Tool bar 

Select the **Panel Settings icon** or **Panel Settings** option from the *View* menu.



* - **Factory** Default settings

Click the check box to switch ON the **Enable Weekly Fire Test** reminder and then select the **day** of the week for the reminder message to appear on the panel display.

You can change the **Cancel Buzzer** to be operable at Access Level 1 or **2*.**

You can change the **Device disablement** function to be operable at Access Level **2*** or 3.

1/4 Second Pulse
Nee-Naw
Continuous
1/2 Second Pulse
1 Second Pulse

If required you can change the sound signal given out for Alert, Evacuate, Class Change and Test fire.
The factory settings are:
Alert - 0.25 second pulse
Evacuate - Nee Naw
Continuous
1 second pulse
Test - 0.5 second pulse.

Sound Mode
Re-Sound Mode

ReSound mode: After alarms have been silenced during a fire condition the same alarms can be reactivated by pressing the 'Sound Alarms' button. **Sound mode:** pressing the 'Sound alarms' button will activate all sector alarms.

Dot not Resound on New Fire
Resound on New Fire

Do not ReSound on New Fire setting will not resound alarms in the event of a new fire.
Resound on New Fire setting will cause alarms to resound in the event of a new fire.

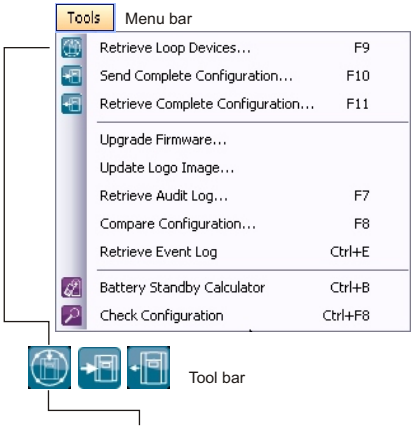
The **Fire relay** can be configured to be active with the 'Sound alarms' button.

Max (-0dB)
-3dB
-6dB
-9dB
-12dB
-15dB
-18dB
-21dB

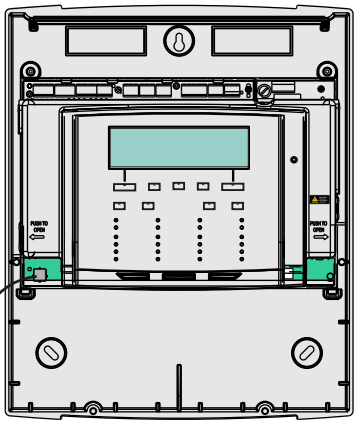
The output level of all the alarm sounders in the system, i.e. sounders in S-Quad sensors and S-Cubed devices can be configured globally to give a sound output at a particular level.

How to 'Retrieve' loop devices from the panel

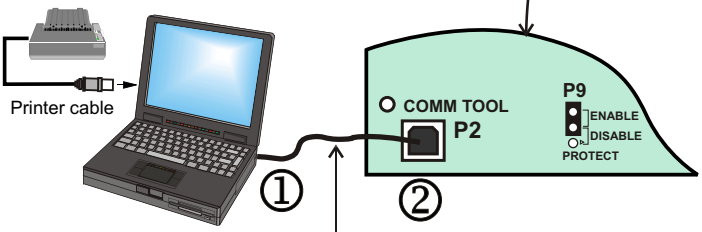
Assuming you have saved a 'New' project and have entered the mandatory information via the wizard you should then retrieve the loop devices from the nano panel. To do this you will need to connect the laptop to the Nano panel using a USB lead and then select the Retrieve Loop Device icon. Ensure you have installed the USB driver, see page 4.



A view of the Nano panel without the front cover

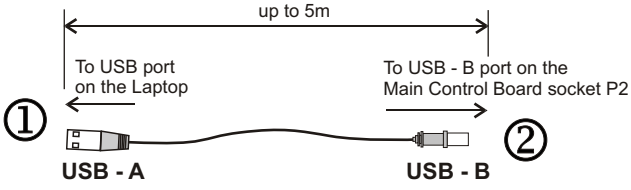


Once the **Nano panel** is connected to the **laptop** you can retrieve the loop devices to the tool. Select the **Retrieve Loop Device icon** or select the **Retrieve Loop Devices** option from the *Tools* menu or Press the **F9** key to retrieve all the devices and their properties from the Nano panel into the tool.

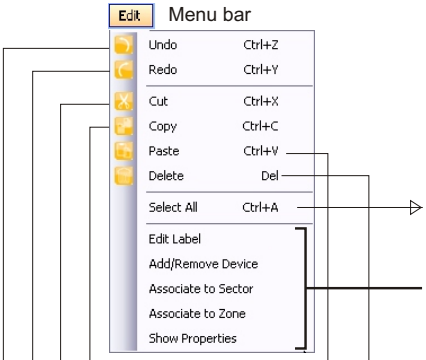


Connect the cable to USB port on Laptop and socket P2 on the Main Control Board

Ensure the Nano panel is powered up before connecting the Commissioning tool to the panel.



How to use the 'Edit' functions



Press **Ctrl + A** or by a click on **Select All** from the *Edit* menu will select all of the listed items of Devices, Zones or Sectors in one go.
You can individually select multiple items from different locations in the list by press and on hold the **Ctrl** button and by clicking on the required items from the list.

These options will change depending on what is being edited. The example here is for 'Loop Device Settings' form.
A 'Zone Settings' and 'Sector Settings' forms will show:





Press **Ctrl + Y** or select the **Redo icon** or **Redo** from the *Edit* menu to reinstate the last deletion or 'Undo'. It is primarily active for use when editing Zone and Sector settings.

Press **Ctrl + Z** or select the **Undo icon** or **Undo** from the *Edit* menu to undo the last change. It is primarily active for use when editing Zone and Sector configurations.

Press **Ctrl + X** to delete the highlighted text when editing label to text.

Press **Ctrl + C** or select the **Copy** icon or **Copy** from the *Edit* menu after selecting an ITEM of Zone or Sector settings. **This will ONLY copy the configuration.**
Note the associated devices are not copied.

Press **Ctrl + V** or **Paste icon** or **Paste** from the *Edit* menu to paste a copied ITEM of Zone or Sector settings to another Zone or Sector item. **Note the associated devices are not affected and will remain the same.**

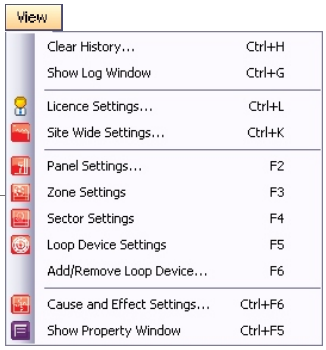
Select the **Delete icon** (the bin) or select **Del** from the *Edit* menu **to permanently delete a Zone or Sector that has NO ASSOCIATED DEVICES.**

Editing a label or text

When editing text or a label you can use the shortcut keys:
Ctrl + C to copy highlighted text
Ctrl + V to paste the copied text at a point
Ctrl + Z to Undo deletion
Ctrl + X to cut the highlighted text
You can also right click the mouse button to bring up a pop up of these options.

How to view, add and control 'Zones'

The zone options allow selection to view 'zone properties', edit zone labels and control the enablement and disablement of selected zone.



The columns of *Zone settings* headed **label** or **Zone ID** can be rearranged in an alphanumeric format by clicking on the respective *header* cell. This feature is useful if you need to view common data in a column without having to search all the items.



Tool bar

Select the **Zone Settings** icon or from the *View* menu select **Zone Settings** or press the **F3** key.

	Zone ID	Label
1	1	Zone 1
2	2	Zone 2
3	3	Zone 3
4	4	Zone 4
5	5	Zone 5
6	6	Zone 6
7	7	Zone 7
8	8	Zone 8
9	9	Zone 9
10	10	Zone 10
11	11	Zone 11
12		

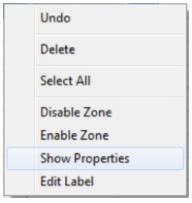
Item numbers

Click here on the blank zone to Add Zone or from the *Edit menu* select **Add Zone**, up to 16 maximum.

Zone identification number

The default Zone label is Zone ‘n’, where ‘n’ is normally the same number as the zone item number. The label given to a zone and can be up to 32 characters in length.

Click to highlight a Zone item number, then right-click to view options:

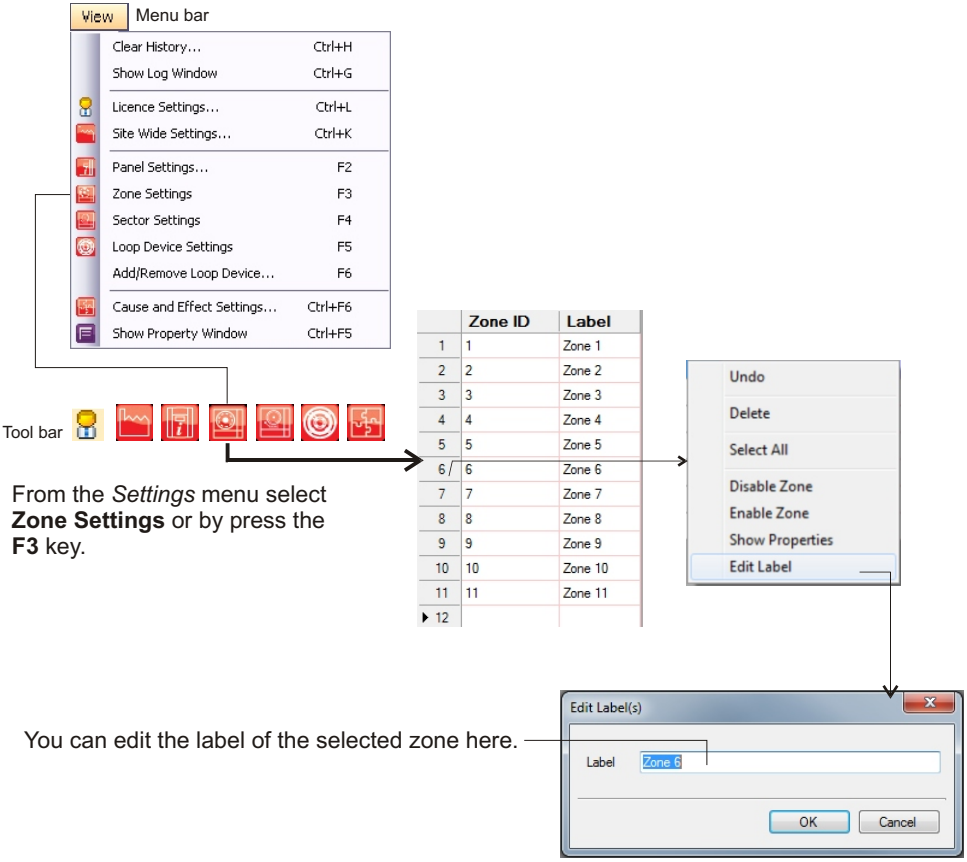


You can **enable/disable** selected zone of the system when the tool is connected to the panel.

You can view and **edit zone properties** and **Zone label**.

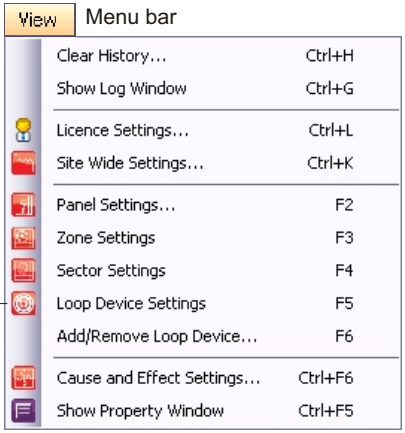
How to edit a 'Zone' label

You can select a zone and edit the zone label, which can be up to 32 characters in length.



How to associate Devices to a Zone

A loop device configuration involves the entry of device label and device association to a zone.

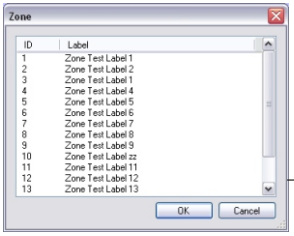


Tool bar

From the *View menu* select **Loop Device Settings** or **Loop Device Settings** icon or press the **F5** key.

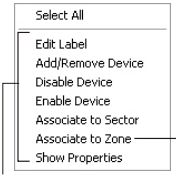
The columns of *Device settings* headed **Position, Label, Device ID, Device Type, Device Part number, Zone ID or Sector ID ca**n be rearranged in an alphanumeric format by clicking on the respective *header* cell. This feature is useful if you need to view common data without having to search all the items.

You can associate the device to a zone from the zone list.



	Position	Label	Device ID	Device Type	Device Part Number	Zone ID	Sector ID
1	1	Device 1	1	S Quad	S4-710	1	NA
2	2	Device 2	2	Interface Unit	S4-34410	1	1
3	3	Device 2	3	S Quad	S4-711-ST	1	1
4	4	Device 3	4	Interface Unit	34440	NA	NA
5	5	Device 4	5	S Quad	S4-711-ST-VO	1	1
6	6	Device 5	6	Manual Call Point	S4-34800	1	NA
7	7	Device 6	7	S Quad	S4-715	1	NA
8	8	Device 7	8	S Quad	S4-720	1	NA
9	9	Device 8	9	S Quad	S4-715	1	NA
10	10	Device 9	10	S Quad	S4-770	1	1
11	11	Device 10	11	S Quad	S4-720	2	NA
12	12	Device 11	12	S Quad	S4-720	2	NA
13	13	Device 12	13	S Quad	S4-720	2	NA
14	14	Device 13	14	S Quad	S4-720	2	NA
15	15	Device 14	15	S Cubed	S2IP-ST-xx	NA	1
16	16	Device 15	16	S Cubed	S3-S-R	NA	1
17	17	Device 16	17	S Cubed	S3-S-R	NA	1
18	18	Device 17	18	S Cubed	S3-S-R	NA	1
19	19	Device 18	19	S Cubed	S3-S-R	NA	1
20	20	Device 19	20	S Cubed	S3-S-R	NA	1
21	21	Device 20	21	S Cubed	S3-S-R	NA	1
22	22	Device 21	22	S Cubed	S3-S-R	NA	1
23	23	Device 22	23	S Quad	S4-720-V-VAD-HPR	1	1
24	24	Device 23	24	S Quad	S4-720-V-VAD-HPW	1	1
25	25	Device 24	25	S Quad	S4-780-S	1	NA
26	26	Device 25	26	S Quad	S4-770-S	1	NA
27	27	Device 26	27	S Quad	S4-711-VAD-HPR	1	1
28	28	Device 27	28	S Quad	S4-711-VAD-HPW	1	1
29	29	Device 28	29	S Quad	S4-771-S	1	NA

Click to highlight a Zone item number then right click to view these options:



You can control device(s). Enable and disable them directly from the tool when it is connected to the panel.

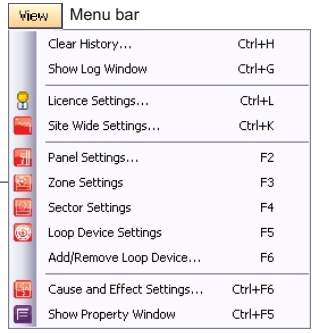
Where a device is removed from the system loop it can be taken out from the configuration using the 'Add/Remove Device' function.

You can select multiple devices from the list and associate the devices to a Zone.
You can also change a common device property.
To select a block of devices first click on the first item cell and then press and hold the **Shift** key and select the last item cell. Alternatively you can select random item cells by holding the **Ctrl** key and then click on each item cell one at a time.

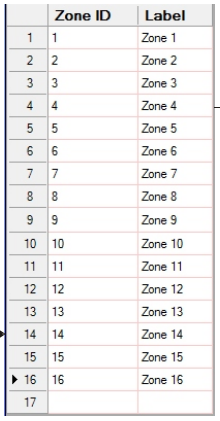
A Device such as a S-Cubed cannot belong to a zone and the Zone ID will not be applicable **NA**. In a similar manner a Device such as an S-Quad Sensor only product cannot belong to a Sector, so its entry in Sector ID will not be applicable **NA**.

How to select a 'Detection Mode'

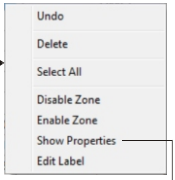
You can edit the required detection mode and select 'Normal detection Mode', Two Detector Coincidence Mode' or 'Two Zone Coincidence Mode'.



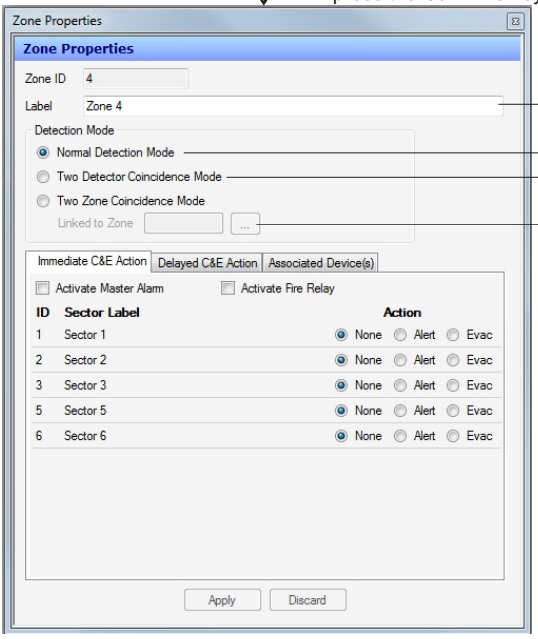
From the *Settings menu* select **Zone Settings** options or or select the **F3** key.



	Zone ID	Label
1	1	Zone 1
2	2	Zone 2
3	3	Zone 3
4	4	Zone 4
5	5	Zone 5
6	6	Zone 6
7	7	Zone 7
8	8	Zone 8
9	9	Zone 9
10	10	Zone 10
11	11	Zone 11
12	12	Zone 12
13	13	Zone 13
14	14	Zone 14
15	15	Zone 15
16	16	Zone 16
17		



Select the **Show Properties** icon or from the *View menu* select **Show Properties** or press the **Ctrl + F5** keys.

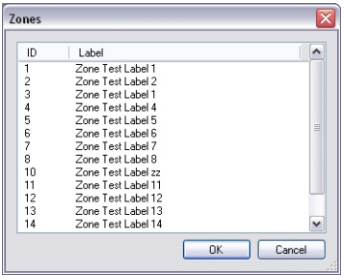


You can edit a zone label

The default mode is: 'Normal Detection'

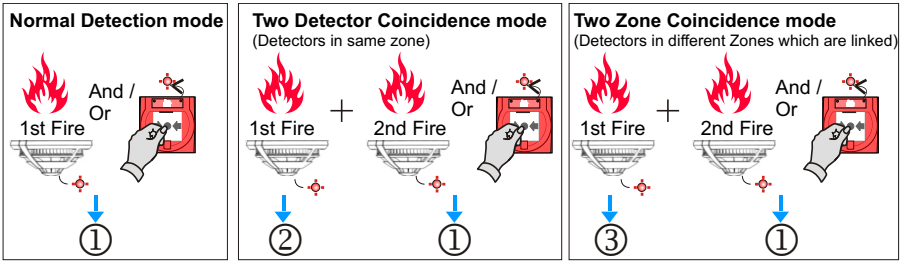
If 'Two Detector Coincidence Mode' is selected then there needs to be two or more detectors in the zone.

If 2-Zone coincidence mode is selected then you will need to select one linked zone from the zone list.



Operation of Detection modes

The operation of fire detectors in Normal, Two Detector Coincidence and Two Zone Coincidence modes are illustrated below.



①

FIRE MESSAGE

1st Fire ZONE 2nd Fire ZONE

[Indication of fires]

FIRE

[Common fire indication]

Audible Buzzer

Immediate or Delayed Cause and Effect

FIRE ALARM

After investigation into the cause of FIRE and if it is appropriate to do so, you can return system to those indications given before the fire condition, by pressing buttons:

Cancel buzzer

Silence Alarms

Reset

②

FIRE MESSAGE

1st Fire ZONE

[Rapid Flashing indication of a fire]

STOP **Immediate or Delayed Cause and Effect**

After investigation into the cause of FIRE and if it is appropriate to do so, you can return system to those indications given before the fire condition, by pressing button:

Reset

③

FIRE MESSAGE

1st Fire ZONE

[Flashing indication of a fire]

Audible Buzzer

STOP **Immediate or Delayed Cause and Effect**

After investigation into the cause of FIRE and if it is appropriate to do so, you can return system to those indications given before the fire condition, by pressing buttons:

Cancel buzzer

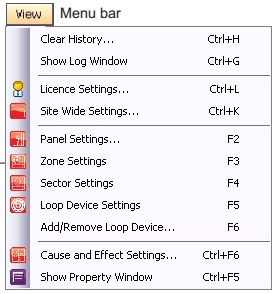
Reset

Key

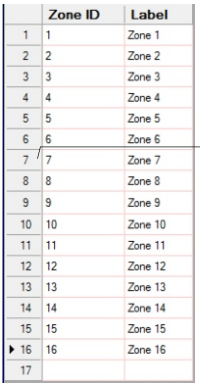
- **Flashing**
- **Rapid Flashing**
- **ON**

How to edit 'Immediate C&E Action' of a Zone

You can edit the required cause and effect action to sectors associated with a zone.

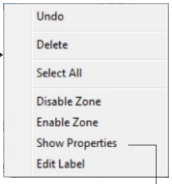


From the *View menu* select the **Zone Settings** option or select the **Zone Settings** icon or press the **F3** key.



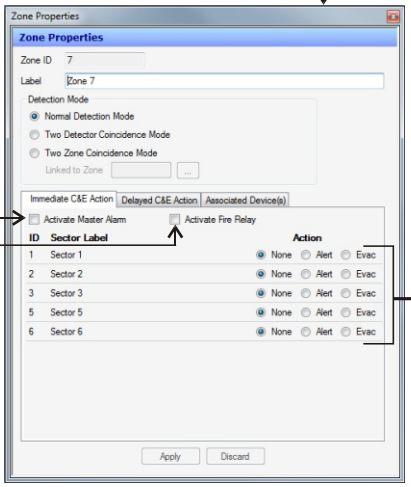
	Zone ID	Label
1	1	Zone 1
2	2	Zone 2
3	3	Zone 3
4	4	Zone 4
5	5	Zone 5
6	6	Zone 6
7	7	Zone 7
8	8	Zone 8
9	9	Zone 9
10	10	Zone 10
11	11	Zone 11
12	12	Zone 12
13	13	Zone 13
14	14	Zone 14
15	15	Zone 15
16	16	Zone 16
17		

Click to highlight a Zone item number then right click to view these options:



Select **Show Properties** icon or select from the View menu **Show Properties** or press the **Ctrl + F5** keys.

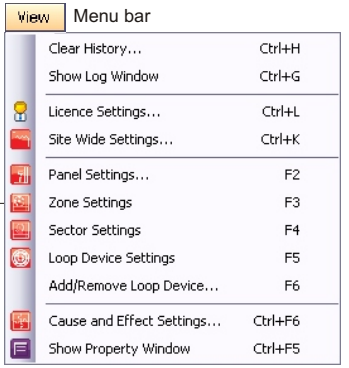
The Master Alarms and Fire Relay can be made active or inactive with Immediate Cause and Effect, to site specific requirement.

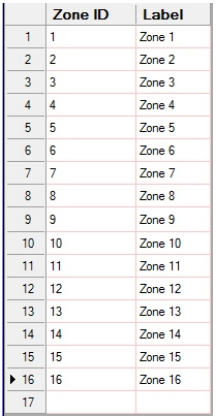


The zone's *Immediate Cause and Effect* alarm action can be custom configured to action Alert, Evacuate or None to associated sectors in accordance with site requirement.

How to edit 'Delayed C&E Action' of a Zone

You can edit the required delayed cause and effect action on sectors associated with a zone.

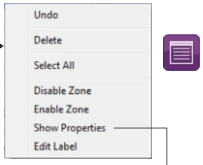


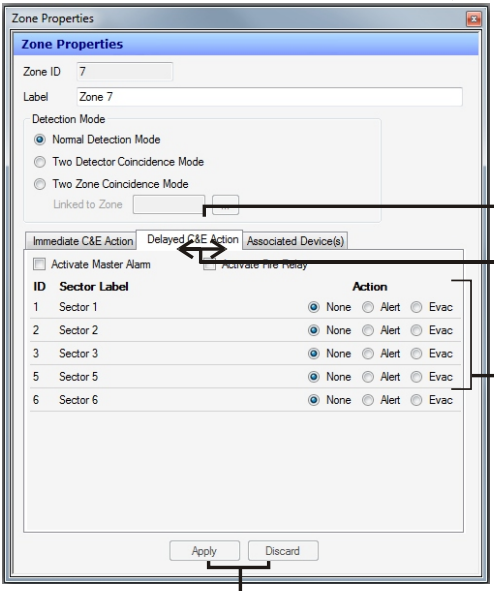


	Zone ID	Label
1	1	Zone 1
2	2	Zone 2
3	3	Zone 3
4	4	Zone 4
5	5	Zone 5
6	6	Zone 6
7	7	Zone 7
8	8	Zone 8
9	9	Zone 9
10	10	Zone 10
11	11	Zone 11
12	12	Zone 12
13	13	Zone 13
14	14	Zone 14
15	15	Zone 15
16	16	Zone 16
17		

From the Settings menu select the **Zone Settings icon** or select the **Zone Settings** icon or press the **F3** key.

Select **Show Properties** icon or select **Show Properties** from the *View* menu or press the **Ctrl + F5** keys.





Select Delayed C&E Action tab

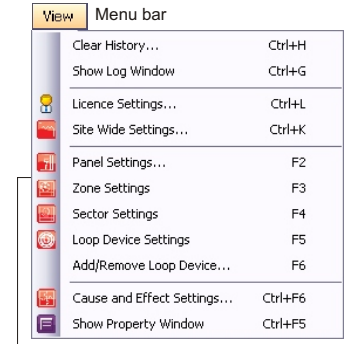
The Master Alarms and Fire Relay can be made active or inactive with Immediate Cause and Effect, to site specific requirement.

You can set the Sector action to be None, Alert or Evacuate by selecting the required radio button.

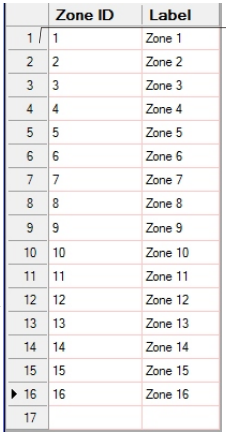
Any changes made can be Apply or Discard any changes made.

How to edit 'Associated Devices' of a Zone

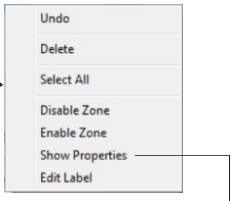
You can view the devices associated with a zone and if necessary edit the device properties if necessary.



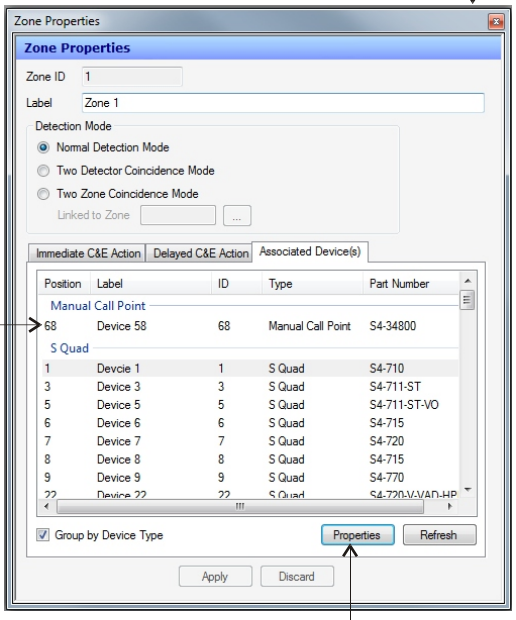
From the View menu select the **Zone Settings** option or select the **Zone Settings** icon or press the **F3** key.



	Zone ID	Label
1	1	Zone 1
2	2	Zone 2
3	3	Zone 3
4	4	Zone 4
5	5	Zone 5
6	6	Zone 6
7	7	Zone 7
8	8	Zone 8
9	9	Zone 9
10	10	Zone 10
11	11	Zone 11
12	12	Zone 12
13	13	Zone 13
14	14	Zone 14
15	15	Zone 15
16	16	Zone 16
17		



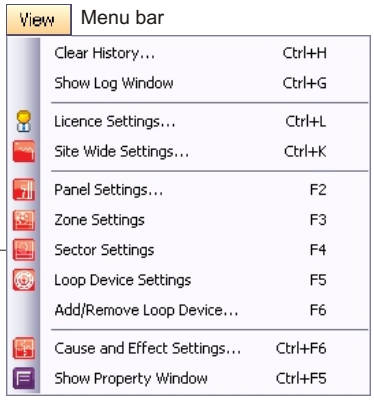
Select **Show Properties** from the drop down menu or select **Show Properties** icon or press the **Ctrl + F5** keys.



You can select an associated device from the list, view and edit its properties if required.

How to view, set and control 'Sectors'

A sector option allow selection to view 'sector properties', edit sector labels, control the enablement and disablement of selected sector and sector activation control.

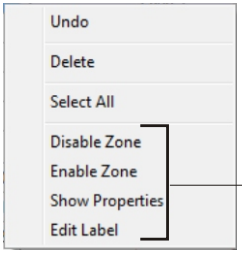




From the *View menu* select the **Sector Settings** option or select the **Sector Settings** icon or press the **F4** key.

The columns of *Sector settings* headed **Sector ID** or **Label** can be rearranged in an alphanumeric format by clicking on the respective *header* cell. This feature is useful if you need to view common data without having to search all the items.

	Sector ID	Label
1	1	Sector 1
2	2	Sector 2
3	3	Sector 3
4	5	Sector 5
5	6	Sector 6
6	4	Sector 4
7	7	Sector 7
8	8	Sector 8
9	9	Sector 9
10	10	Sector 10
11	11	Sector 11
12	12	Sector 12
13	13	Sector 13
14	14	Sector 14
15	15	Sector 15
16	16	Sector 16
17		



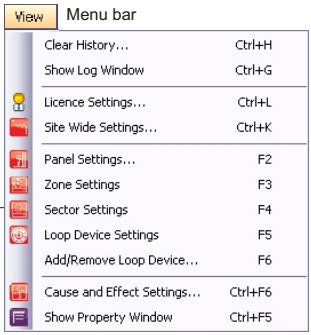
You can control a sector by enabling or disabling it from the tool providing the tool is connected to the panel.

You can also edit a sector label and edit sector properties.

The default Sector label is ‘Sector ‘n’. Where ‘n’ is normally the same number as the sector item number. The label given to a sector can be up to 32 characters in length.

How to set sector for Alarm, Plant & Class Change

A sector configuration involves setting it as a 'Alarm Sector' or a 'Plant Sector'. The configuration also includes of sector linkage to Announcement of Class Change signal.





Tool bar

From the View menu select the **Sector Settings option** or select the **Sector Settings** icon or press the **F4** key.

The columns of *Sector settings* headed **Sector ID and Label** can be rearranged in an alphanumeric format by clicking on the respective *header* cell. This feature is useful if you need to view common data without having to search all the items.

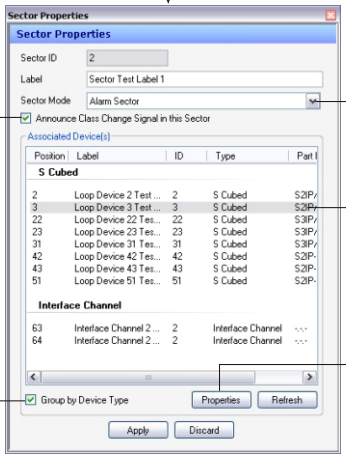


	Sector ID	Label
1	1	Sector Test Label 1
2	2	Sector Test Label 1
3	3	Sector Test Label 3
4	4	Sector Test Label 4
5	5	Sector Test Label 5
6	6	Sector Test Label 6
7	7	Sector Test Label 7
8	8	Sector Test Label 8
9	9	Sector Test Label 9
10	10	Sector Test Label 10
11	11	Sector Test Label 11
12	12	Sector Test Label 12
13	13	Sector Test Label 13
14	14	Sector Test Label 14
15	15	Sector Test Label 15
16	16	Sector Test Label 16
17		





Select **Show Properties** icon or select **Properties** from the *View* menu or press the **Ctrl + F5** keys.





All Sectors are set as **Alarm** sector and each can be reconfigured to operate as **Plant** sector.

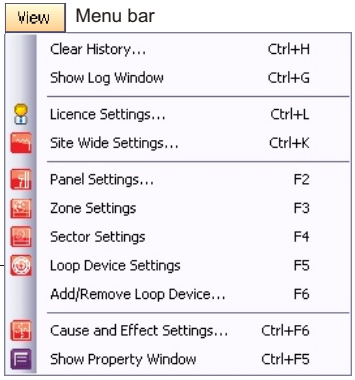
The selected sector can be linked to allow announcement of class change signal.

You can select a device associated with a sector and view its properties.

The devices associated with a sector can be listed in group type or as positioned on the loop.

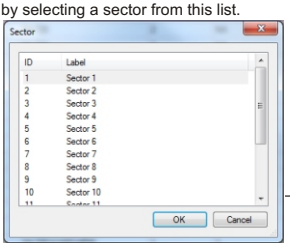
How to associate 'Devices' to a Sector

A loop device can be configured and associated with sector(s).



The columns of *Device settings* headed **Position, Label, Device ID, Device Type, Device Part Number, Zone ID or Sector ID ca**n be rearranged in an alphanumeric format by clicking on the respective *header* cell. This feature is useful if you need to view common data without having to search all the items.

You can associate the device to a sector by selecting a sector from this list.

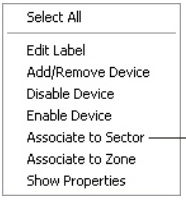


Tool bar



From the View menu select the **Loop Device Settings** or Select the **Device Settings** icon from the *View* menu or press the **F5** key.

	Position	Label	Device ID	Device Type	Device Part Number	Zone ID	Sector ID
1	1	Device 1	1	S Quad	S4-710	1	NA
2	2	Device 2	2	Interface Unit	S4-34410	1	1
3	3	Device 3	3	S Quad	S4-711-ST	1	1
4	4	Device 4	4	Interface Unit	34440	NA	NA
5	5	Device 5	5	S Quad	S4-711-ST-VO	1	1
6	6	Device 6	6	S Quad	S4-715	1	NA
7	7	Device 7	7	S Quad	S4-720	1	NA
8	8	Device 8	8	S Quad	S4-715	1	NA
9	9	Device 9	9	S Quad	S4-770	1	1
10	10	Device 10	10	S Quad	S4-720	2	NA
11	11	Device 11	11	S Quad	S4-720	2	NA
12	12	Device 12	12	S Quad	S4-720	2	NA
13	13	Device 13	13	S Quad	S4-720	2	NA
14	14	Device 14	14	S Cubed	S2IP-ST-xx	NA	1
15	15	Device 15	15	S Cubed	S3-S-R	NA	1
16	16	Device 16	16	S Cubed	S3-S-R	NA	1
17	17	Device 17	17	S Cubed	S3-S-R	NA	1
18	18	Device 18	18	S Cubed	S3-S-R	NA	1
19	19	Device 19	19	S Cubed	S3-S-R	NA	1
20	20	Device 20	20	S Cubed	S3-S-R	NA	1
21	21	Device 21	21	S Cubed	S3-S-R	NA	1
22	22	Device 22	22	S Quad	S4-720-V-VAD-HPR	1	1
23	23	Device 23	23	S Quad	S4-720-V-VAD-HPW	1	1
24	24	Device 24	24	S Quad	S4-780-S	1	NA
25	25	Device 25	25	S Quad	S4-770-S	1	NA
26	26	Device 26	26	S Quad	S4-711-VAD-HPR	1	1
27	27	Device 27	27	S Quad	S4-711-VAD-HPW	1	1
28	28	Device 28	28	S Quad	S4-771-S	1	NA
29	29	Device 29	29	S Quad	S4-771-V	1	NA
30	30	Device 30	30	S Quad	S4-711-V-VAD-HPR	1	1
31	31	Device 31	31	S Quad	S4-711-V-VAD-LPW	1	1

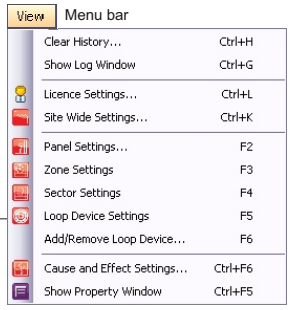


You can select multiple devices from the list and associate the devices to a Sector.
You can also change a common device property.
To select a block of devices first click on the first item cell and then press and hold the **Shift** key and select the last item cell. Alternatively you can select random item cells by holding the **Ctrl** key and then click on each item cell one at a time.

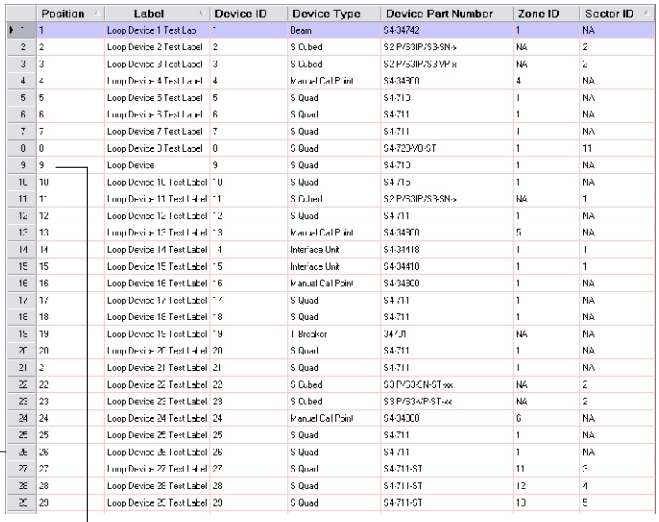
A Device such as a Sounder-Strobe (Strobe or VAD are also referred to as Visual indicator) cannot belong to a zone and the Zone ID will not be applicable **NA**. In a similar manner a Device such as an S-Quad Sensor only product cannot belong to a Sector, so the entry in Sector ID will not be applicable **NA**.

How to configure 'Device settings'

A device like the S-Quad sensor will require configuration of its monitored line mode, Day and Night mode sensitivity states, output mode and individual sound output level setting. An interface device will require entry of channel label, mode and function. Each device type will have its own individual device settings.

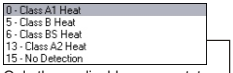


From the View menu select the **Loop Device Settings option** or select the **Loop Device Settings** icon or press the **F5** key.

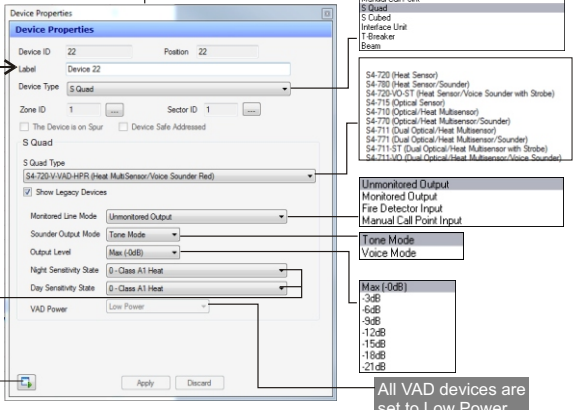


	Position	Label	Device ID	Device Type	Device Part Number	Zone ID	Sector ID
1	1	Loop Device 1 Test Lab	-	Beam	S4-34742	1	NA
2	2	Loop Device 2 Test Label	2	S Cubed	S2-P/S3IP/S3-SN->	NA	2
3	3	Loop Device 3 Test Label	3	S Cubed	S2-P/S3IP/S3-VP->	NA	2
4	4	Loop Device 4 Test Label	4	Manual Call Point	S4-34800	4	NA
5	5	Loop Device 5 Test Label	5	S Quad	S4-710	1	NA
6	6	Loop Device 6 Test Label	6	S Quad	S4-711	1	NA
7	7	Loop Device 7 Test Label	7	S Quad	S4-711	1	NA
8	8	Loop Device 8 Test Label	8	S Quad	S4-720-VO-ST	1	11
9	9	Loop Device	9	S Quad	S4-710	1	NA
10	10	Loop Device 10 Test Label	10	S Quad	S4-710	1	NA
11	11	Loop Device 11 Test Label	11	S Cubed	S2-P/S3IP/S3-SN->	NA	1
12	12	Loop Device 12 Test Label	12	S Quad	S4-711	1	NA
13	13	Loop Device 13 Test Label	13	Manual Call Point	S4-34800	5	NA
14	14	Loop Device 14 Test Label	14	Interface Unit	S4-34410	1	1
15	15	Loop Device 15 Test Label	15	Interface Unit	S4-34410	1	1
16	16	Loop Device 16 Test Label	16	Manual Call Point	S4-34800	1	NA
17	17	Loop Device 17 Test Label	17	S Quad	S4-711	1	NA
18	18	Loop Device 18 Test Label	18	S Quad	S4-711	1	NA
19	19	Loop Device 19 Test Label	19	T Breaker	S4-711	NA	NA
20	20	Loop Device 20 Test Label	20	S Quad	S4-711	1	NA
21	21	Loop Device 21 Test Label	21	S Quad	S4-711	1	NA
22	22	Loop Device 22 Test Label	22	S Cubed	S3-P/S3-CN-ST->	NA	2
23	23	Loop Device 23 Test Label	23	S Cubed	S3-P/S3-VP-ST->	NA	2
24	24	Loop Device 24 Test Label	24	Manual Call Point	S4-34800	6	NA
25	25	Loop Device 25 Test Label	25	S Quad	S4-711	1	NA
26	26	Loop Device 26 Test Label	26	S Quad	S4-711	1	NA
27	27	Loop Device 27 Test Label	27	S Quad	S4-711-ST	11	6
28	28	Loop Device 28 Test Label	28	S Quad	S4-711-ST	12	4
29	29	Loop Device 29 Test Label	29	S Quad	S4-711-ST	13	5

You can edit a device label, which can be up to 32 characters in length.



Only the applicable sensor states are displayed for selection. The states displayed are different for different Sensors.
The default state is state 0.
You can select the required state for Day mode and Night mode.

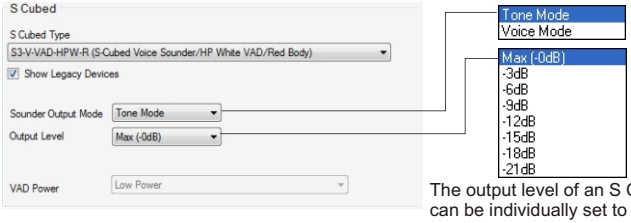


All VAD devices are set to Low Power. (VAD or Strobe are also reffered to as Visual indicator.



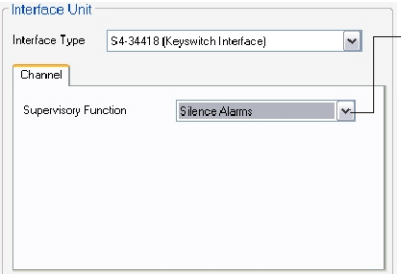
You can directly control the device from the tool providing it is connected to the control panel. The control functions for this device include Simulate fire, Find Device and Enable/Disable the device.

Voice Sounder settings



The output level of an S Cubed device voice/sounder can be individually set to a required value.

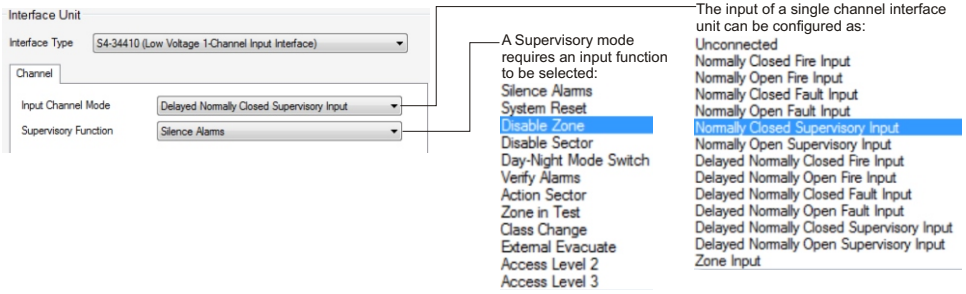
Keyswitch Interface settings



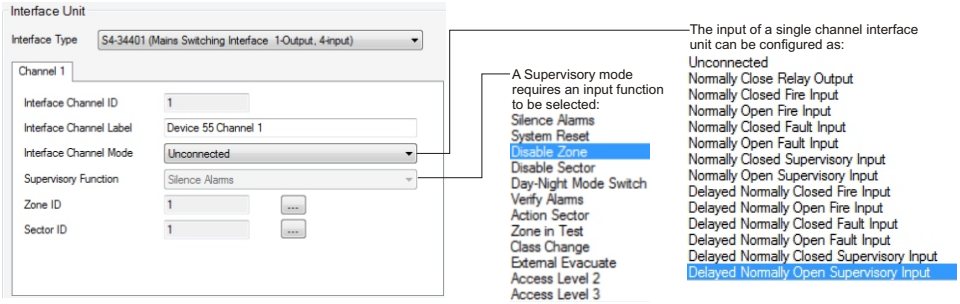
The input of this keyswitch interface unit can be configured operate:

- Silence Alarms
- System Reset
- Disable Zone
- Disable Sector
- Day-Night Mode Switch
- Verify Alarms
- Action Sector
- Zone in Test
- Class Change
- External Evacuate
- Access Level 2
- Access Level 3

1 Channel Interface settings

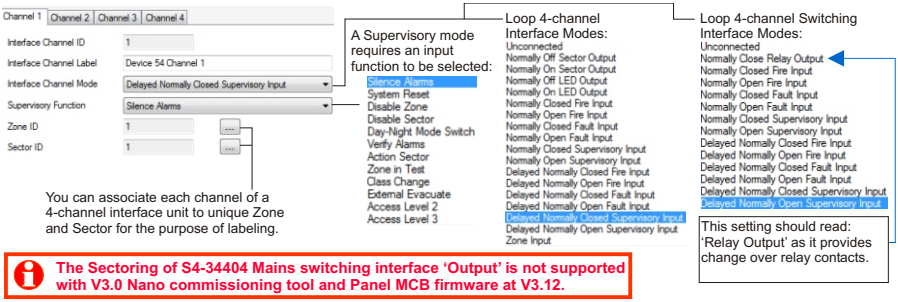


1 Channel Mains switching interface settings



The Sectoring of S4-34401 Mains switching interface 'Output' is not supported with V3.0 Nano commissioning tool and Panel MCB firmware at V3.12.

4 Channel Interface and mains switching interface settings

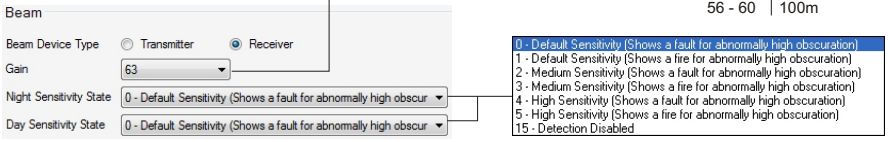


The Sectoring of S4-34404 Mains switching interface 'Output' is not supported with V3.0 Nano commissioning tool and Panel MCB firmware at V3.12.

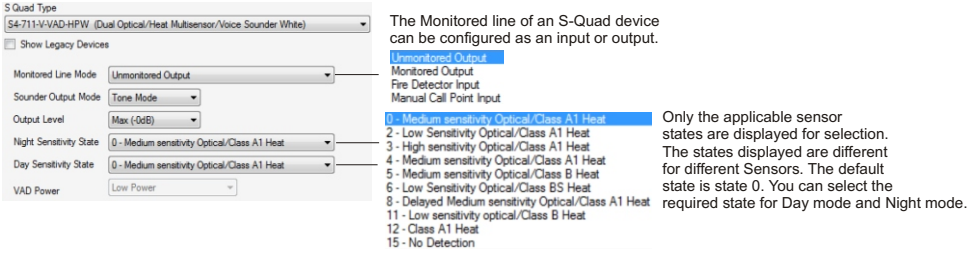
Beam Sensor settings

If you know the path length of a Beam sensor pair then you can set the gain at the Beam receiver, the gain range is between 0 to 63.

Gain value	Path length
6 - 9	2m
29 - 33	10m
56 - 60	100m

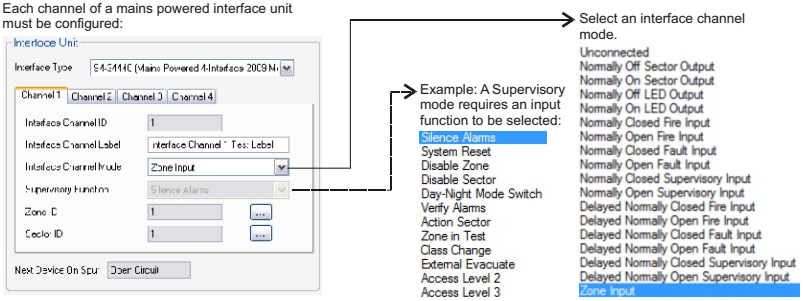


S-Quad sensor settings



S4 Mains powered interface settings

Each channel of a mains powered interface unit must be configured:



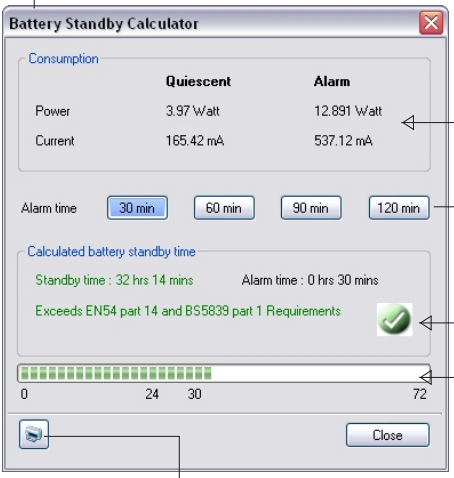
How to check the Battery Standby Calculation

At any time you can check the battery standby time along with the alarm time by looking at the bottom left of the Commissioning tool page.

As an alternative you can click on the battery standby calculator icon and view the standby and if required adjust the alarm duration to see what affect this has on the standby.



Press Ctrl B or from the *Tools menu* select Battery Standby Calculator



The power and current taken by the system under quiescent and alarm conditions are displayed here

If necessary make changes to the alarm time, the options are: 30 minutes, 60 minutes, 90 minutes or 120 minutes.

An  here indicates it fails to meet EN part 14 but meets BS5839 Part 1 requirements.

The achievable standby duration is indicated here.



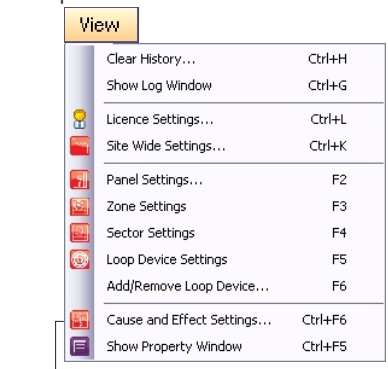
Select this option to print the Standby

Select this option to preview the print

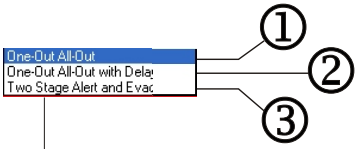
You can set the page margin , orientation and paper size.

How to configure the global 'Cause and Effect'

The immediate and delayed global Cause and Effect settings are required to be configured. The options available include One-Out All-Out, One-Out All-Out with delay or Two stage Alert and Evacuate. These settings are required to ensure zone alarm actions on sectors are configured to site requirements.

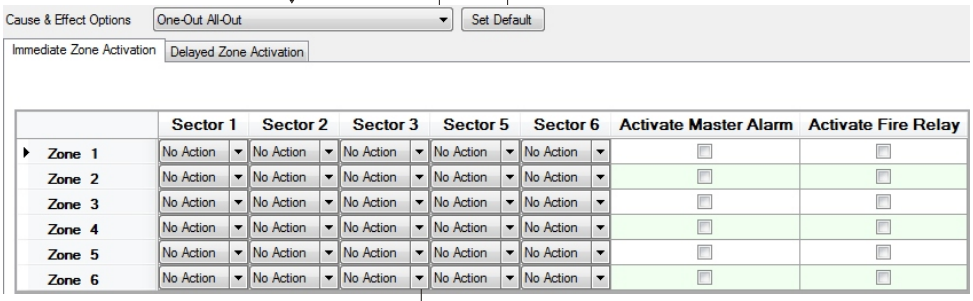


Tool bar



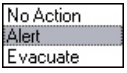
Select the **C&E Settings icon** or from the View menu select **C&E Settings** option or press the **Ctrl F6** key.

By clicking on the **Set Default** button you can set the Sector alarm action to the factory default settings.



	Sector 1	Sector 2	Sector 3	Sector 5	Sector 6	Activate Master Alarm	Activate Fire Relay
Zone 1	No Action	No Action	No Action	No Action	No Action	☐	☐
Zone 2	No Action	No Action	No Action	No Action	No Action	☐	☐
Zone 3	No Action	No Action	No Action	No Action	No Action	☐	☐
Zone 4	No Action	No Action	No Action	No Action	No Action	☐	☐
Zone 5	No Action	No Action	No Action	No Action	No Action	☐	☐
Zone 6	No Action	No Action	No Action	No Action	No Action	☐	☐

Select from the drop down menu: No action, alert or Evacuate.



① One-Out All-Out (factory default settings)

Immediate Zone Activation

	Sector 1	Sector 2	Sector 3	Sector 5	Sector 6	Activate Master Alarm	Activate Fire Relay
Zone 1	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 2	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 3	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 4	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 5	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 6	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑

Delayed Zone Activation

Initial Delay Minute(s) 0 Second(s) 30 **Day Mode Delay** Minute(s) 5 Second(s) 0

	Sector 1	Sector 2	Sector 3	Sector 5	Sector 6	Activate Master Alarm	Activate Fire Relay
Zone 1	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 2	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 3	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 4	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 5	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 6	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐

② One-Out All-Out with Delay (factory default settings)

Immediate Zone Activation

	Sector 1	Sector 2	Sector 3	Sector 4	Sector 5	Sector 6	Sector 7	Sector 8	Activate Master Alarm	Activate Fire Relay
Zone 1	No Action	No Action	No Action	No Action	No Action	No Action	No Action	No Action	☐	☑
Zone 2	No Action	No Action	No Action	No Action	No Action	No Action	No Action	No Action	☐	☑
Zone 3	No Action	No Action	No Action	No Action	No Action	No Action	No Action	No Action	☐	☑
Zone 4	No Action	No Action	No Action	No Action	No Action	No Action	No Action	No Action	☐	☑
Zone 5	No Action	No Action	No Action	No Action	No Action	No Action	No Action	No Action	☐	☑
Zone 6	No Action	No Action	No Action	No Action	No Action	No Action	No Action	No Action	☐	☑
Zone 7	No Action	No Action	No Action	No Action	No Action	No Action	No Action	No Action	☐	☑

Delayed Zone Activation

Initial Delay Minute(s) 0 Second(s) 30 **Day Mode Delay** Minute(s) 5 Second(s) 0

	Sector 1	Sector 2	Sector 3	Sector 4	Sector 5	Sector 6	Sector 7	Sector 8	Activate Master Alarm	Activate Fire Relay
Zone 1	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 2	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 3	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 4	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 5	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 6	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 7	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑

③ Two Stage Alert and Evacuate (factory default settings)

Immediate Zone Activation

	Sector 1	Sector 2	Sector 3	Sector 4	Sector 5	Sector 6	Sector 7	Sector 8	Activate Master Alarm	Activate Fire Relay
Zone 1	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑
Zone 2	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑
Zone 3	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑
Zone 4	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑
Zone 5	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑
Zone 6	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑
Zone 7	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑

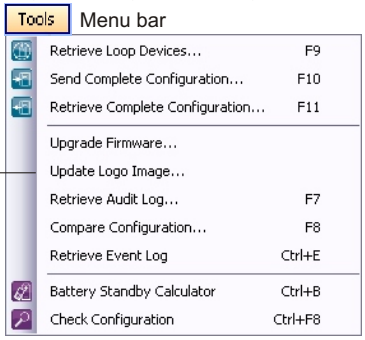
Delayed Zone Activation

Initial Delay Minute(s) 0 Second(s) 30 **Day Mode Delay** Minute(s) 5 Second(s) 0

	Sector 1	Sector 2	Sector 3	Sector 4	Sector 5	Sector 6	Sector 7	Sector 8	Activate Master Alarm	Activate Fire Relay
Zone 1	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 2	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 3	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 4	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 5	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 6	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 7	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐

How to 'Update logo' file

The logo displayed on the panel can be customised using the logo editor in the tool. It is important to note the area reserved for the logo on the panel display is small, so a custom logo must be small, therefore any intricate shape may not display well and may need to be simplified using the logo editor in the tool.



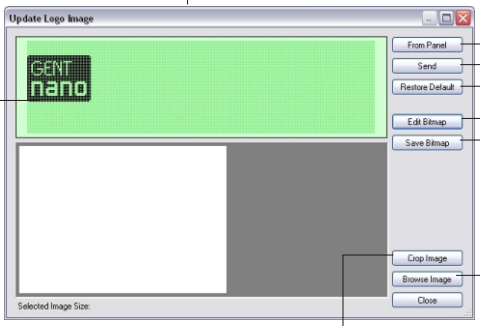
Ensure the tool is connected to the panel.

Select the **Update Logo Image** option from the *Tools* menu.

It is possible to retrieve the logo from the panel for viewing and editing in this tool.

Once a logo is created or edited then it can be sent to the panel for display during normal condition.

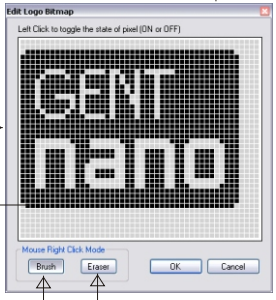
By clicking on the 'Restore Default' button you revert to the original logo of the panel.



Once the logo has been edited you must save the file before sending it to the panel.

You can import a **.jpg, .bmp, .gif** or **.wmf** file into the tool for conversion into a logo.

This portion of the window shows how the logo will appear on the panel display. The Image size is restricted to 40 (height) by 48 (width) pixels.



If the imported image displayed is too large then you can crop the image so that it appears satisfactorily in a 40 by 48 pixels canvas. If the image is not clear it can be edited using the image editor.

To edit an imported image or to create a new image you can goto a pixel location and click to switch **On** the pixel. You can erase and switch **Off** the pixel by clicking the on the location again.

Free hand editing:
Select the **Brush** or **Erase** button using by left mouse button and then free hand draw or erase pixels in the canvas by press and hold on the right mouse button.

How to compare configurations

The 'Compare configuration' feature is used to compare the offline 'loop map' at the Nano Commissioning tool with that of the connected Nano panel based system.

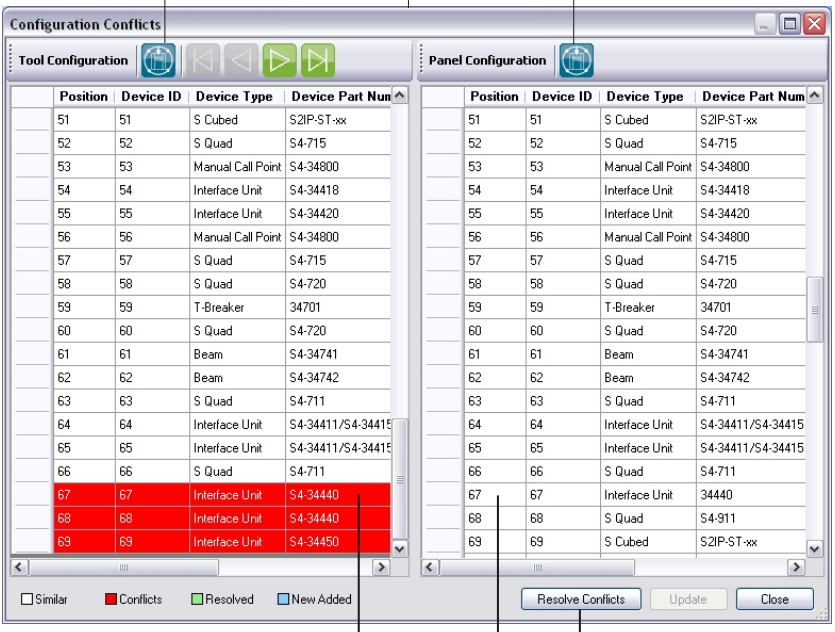


Ensure the tool is connected to the panel.

Select the **Compare Configuration..** option from the *Tools* menu or press F8 button.

Retrieve Tool Configuration

Retrieve Panel Configuration

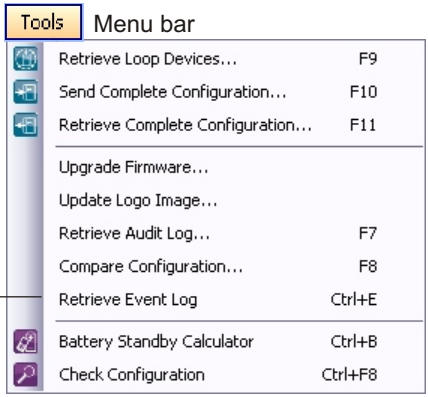


You can resolve any conflict displayed by either changing the configuration at the panel or at the Commissioning tool. In the above example the Configuration Conflicts are at the panel and tool, with different devices on the loop at locations 67, 68 and 69 (highlighted in red).

A resolved conflict requires the devices shown on the tool and that connected to the loop wiring being identical.

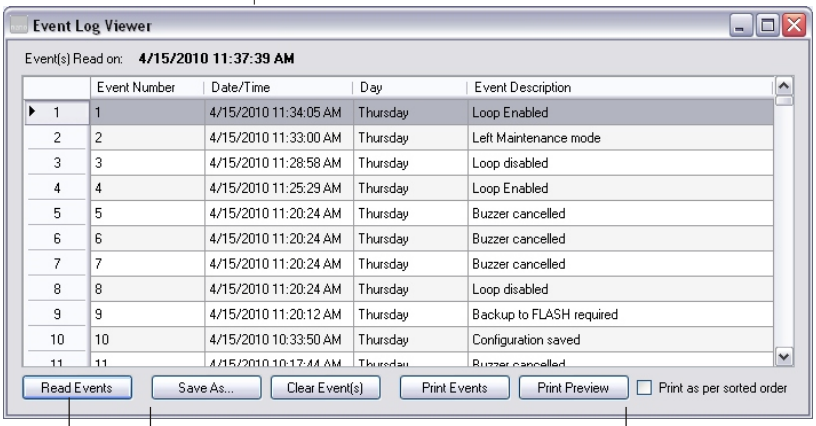
How to retrieve Historic Events log

Using the 'Retrieve Historic Events log' feature you can retrieve all the historic events log at the Nano panel to the Nano Commissioning tool.



Ensure the tool is connected to the panel.

Select the **Retrieve Events Log..** option from the *Tools* menu.



Select the **Read Events** to retrieve the historic events from the panel.

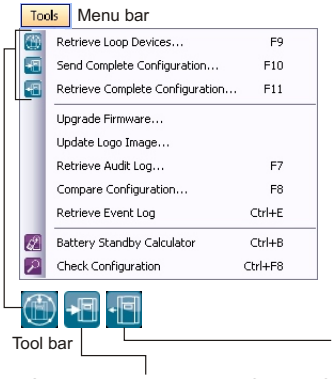
You can review the historic events list, **Save As** to a file, **Print Preview** and **Print** the events. Saved file is viewable in the text editor and can then be emailed to others for analysis.

The **Clear Event(s)** button will erase the displayed list from the tool screen.

How to 'Transmit' or 'Retrieve' Configurations

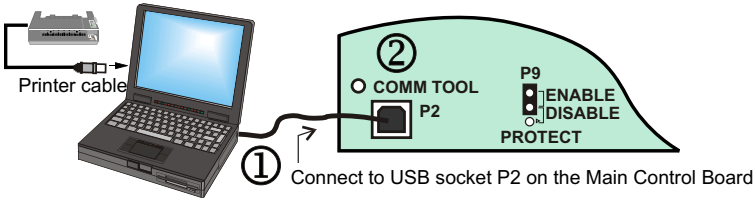
Once the configuration is complete you can send it to the Nano panel and then test the Nano panel based system. If you are new to a site having a Nano panel based system then you could retrieve the complete system configuration from the panel to the tool.

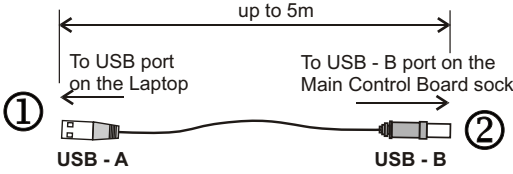
After transmission of the configuration to the Nano panel the Fire Detection and Alarm system must to be tested to ensure it functions correctly and meets site and project requirements.



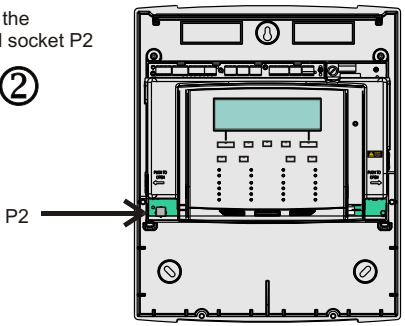
Where there is a fully configured Nano system and you need its configuration then you can retrieve the complete configuration from the Nano panel. The retrieved configuration must be saved to a new project file. Select the **Retrieve Complete Configuration** icon or select **Retrieve Complete Configuration** from the *Tools* menu or press the **F11** key.

Once the Nano system is fully configured at the Nano Commissioning tool, you can send the configuration to the Nano panel. Select the **Send Complete Configuration** icon or select **Send Complete Configuration** from the *Tools* menu or press the **F10** key. Once the panel has the configuration ensure it is backed up to the panel memory.





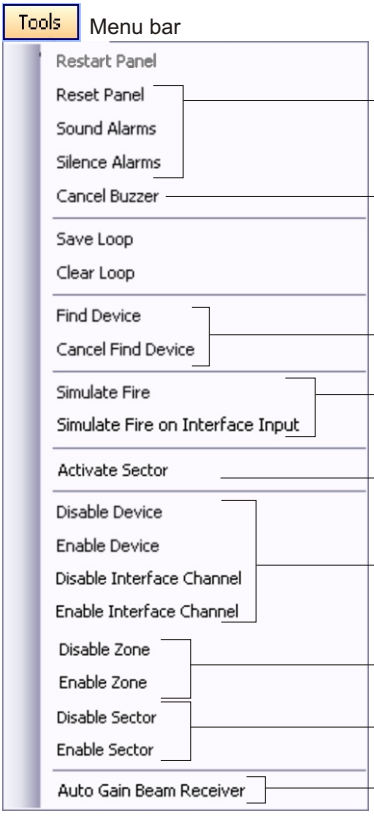
A VIEW OF THE NANO PANEL WITHOUT THE FRONT COVER



Commands to control the system from the tool

You can send commands to the panel to control the system directly from the Nano Commissioning tool, providing the tool is connected to the nano panel.

Options become selectable when the appropriate form is being displayed and the respective attribute highlighted.



These are controls to Reset panel, Sound Alarms and Silence Alarms from the tool.

The local panel buzzer can be silenced by performing a Cancel Buzzer from the tool.

From the 'Loop device settings' form you can select a device and perform a Find Device from the tool.

From the 'Loop device settings' form you can select a device such as a fire sensor or interface to conduct Simulate Fire from the tool.

From the 'Sector settings' form you can select and activate a sector from the tool.

From the 'Loop device settings' form you can select a device such as a fire sensor or interface to enable or disable it from the tool.

From the 'Sector settings' form you can enable or disable a sector from the tool.

From the 'Sector settings' form you can enable or disable a sector from the tool.

From the 'Loop device settings' form you can select a beam device and perform an auto gain from the tool.

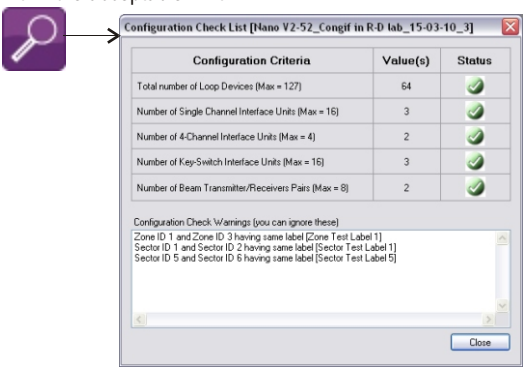
How to Upgrade firmware

The preferred method of upgrading the panel firmware is by the use of SD card at the Nano panel, follow procedures in the Nano Commissioning instructions.

Other Options

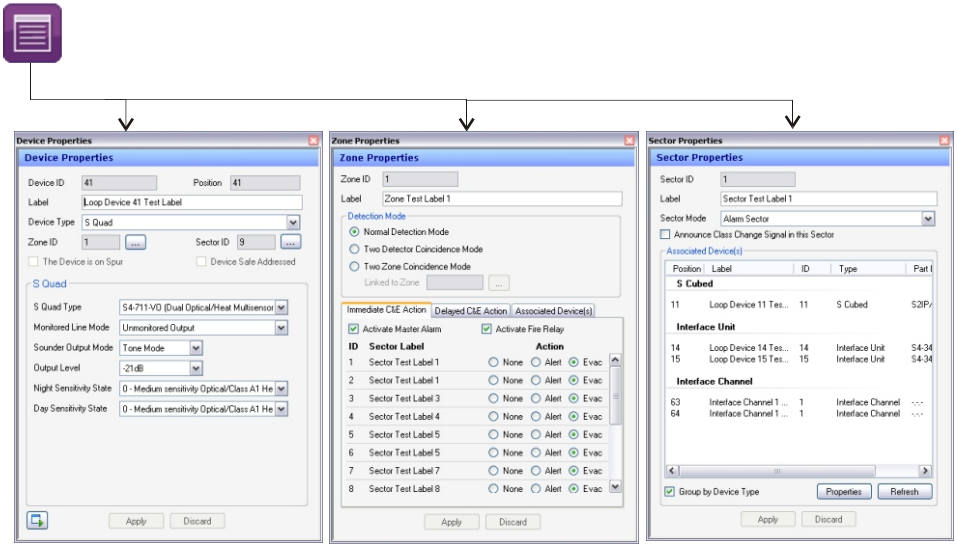
Check Configuration

By clicking on the **Check Configuration Icon** or by pressing the **F8** key or by selecting **Check Configuration** option from the *Tools* menu you can view the Configuration Check List to check the devices on the loop are within the acceptable limit.



Properties of device, zone and sector

The illustration below show typical properties of a device, zone and sector.



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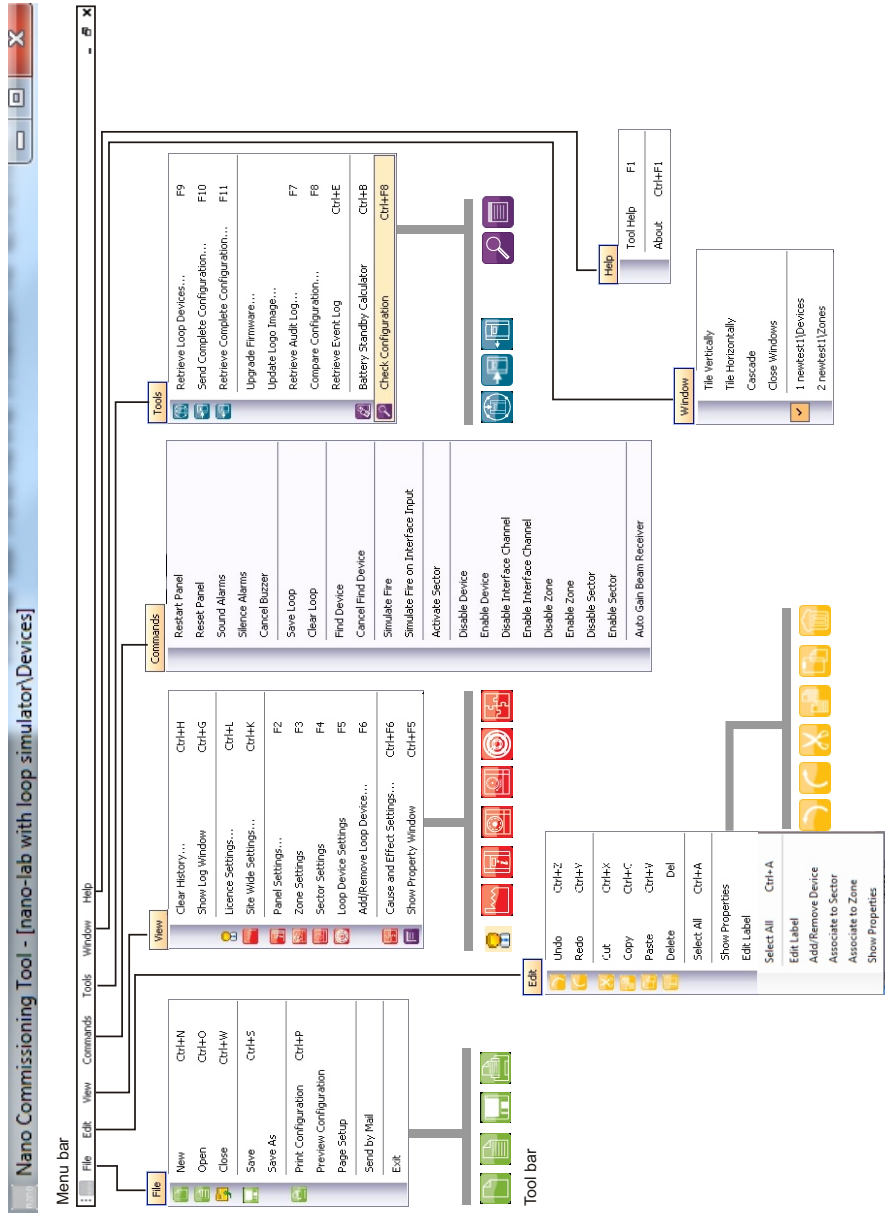
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Nano Commissioning tool menus and icons



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