GENT
by Honeywell

User guide

Nano Commissioning Tool V1.2





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Preface

This is the first issue of the user guide for the Nano Commissioning Tool V1.2.

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 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, configure and label the whole system and transmit the configuration to the panel.

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 Gent System Integrators who have registered.

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 on your computer.

Installing the Commissioning tool program

The Nano Commissioning tool software can run on most laptops having Windows XP PRO with Service pack 2 or 3 or Windows Vista Business with Service Pack 1.



Before installing the Nano Commissioning tool program refer to the information on Gent Expert regarding any additional requirements.

When installing the Nano Commissioning tool program use the Windows Add /Remove programs:

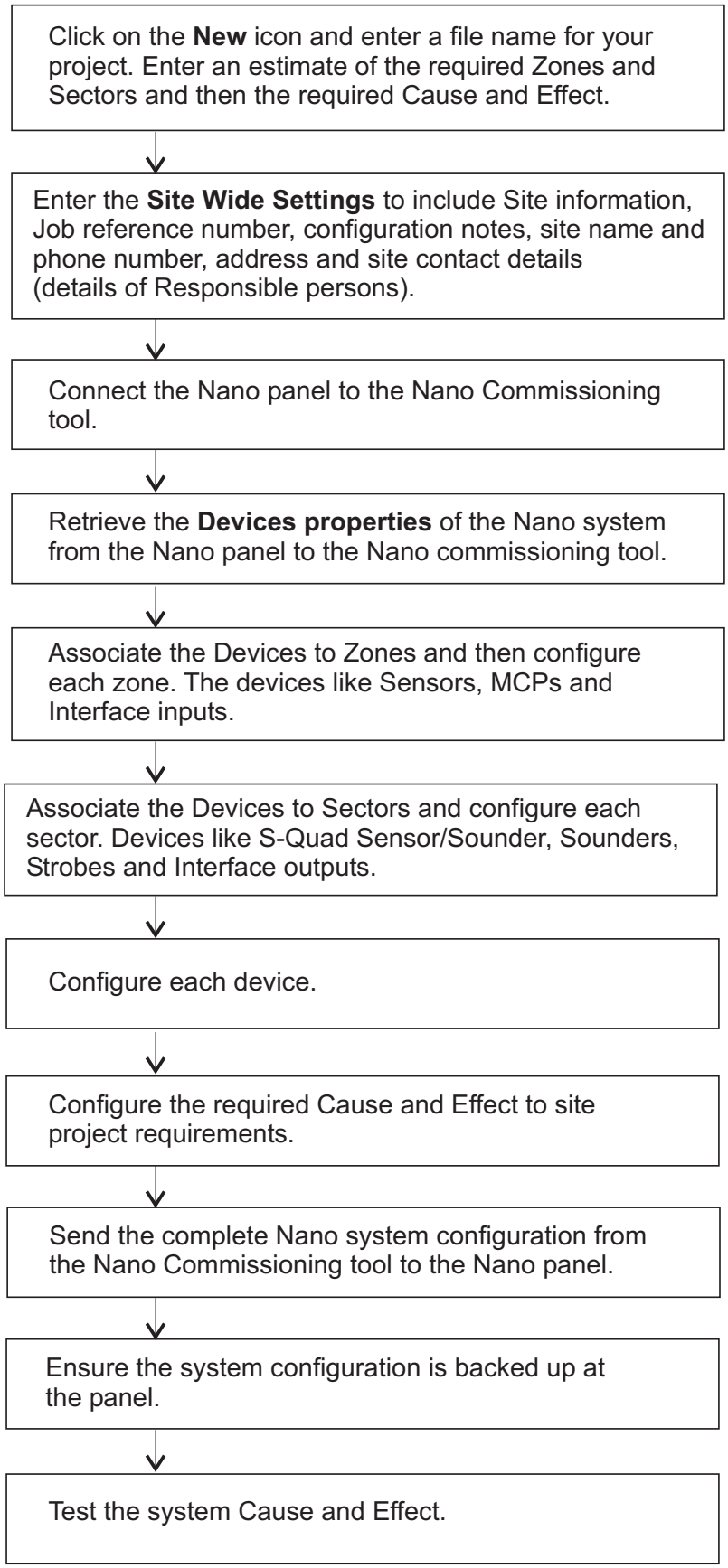
- ☐ START -> Settings -> Control Panel -> Add or Remove Programs -> Add New Program.
- ☐ Follow the on screen instructions to add the Nano Commissioning tool program. When you are asked for the installation program, browse the directory where the tool software was downloaded and select the setup.exe file and continue.

Upgrading the Commissioning tool program

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

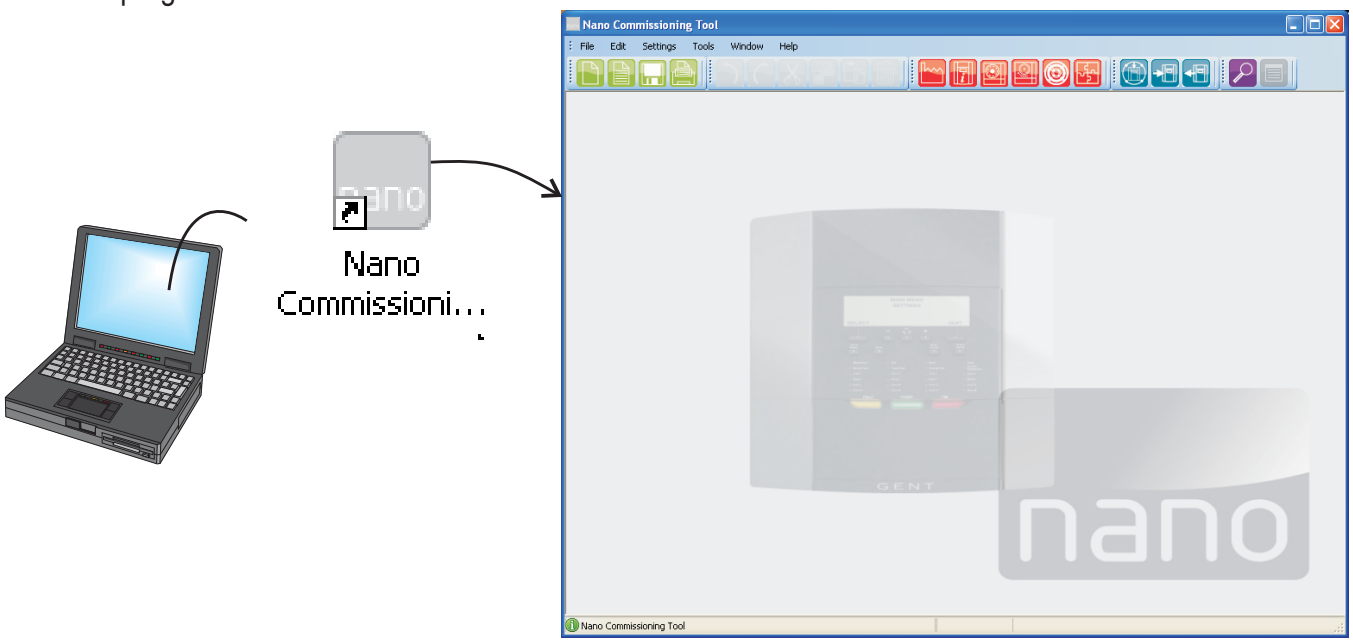
- ☐ START -> Settings -> Control Panel -> Add or Remove Programs -> Change or Remove Programs.
- ☐ Scroll through the current programs and select the Nano Commissioning Tool and click on the Remove button.
- ☐ Follow the on screen instructions and once the previous program is removed you can install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

Commissioning process using the tool



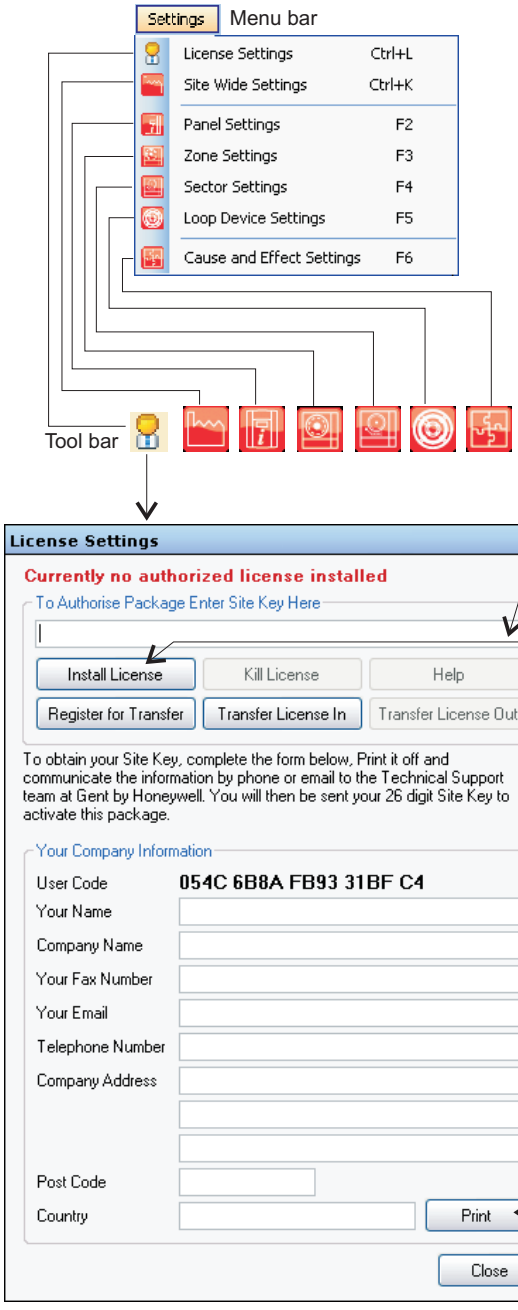
Starting the Nano Commissioning Tool

You can start the Nano Commissioning tool by clicking on the Nano icon or by selecting the Nano tool from the windows programs menu.



How to obtain a License for the tool

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



③

Enter the **Site Key** here and then select the **Install License** button and follow the on screen instructions. You will receive a message: “License 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 License Out** and **Transfer License In** buttons. This ensures only one computer can run a licensed copy of the tool.

①

Enter your name and company details.

②

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

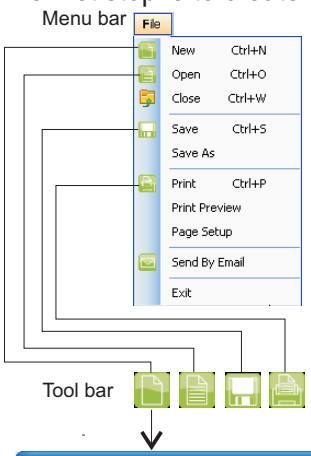
Email: technical.services@honeywell.com
Telephone: 0116 246 2134

You will receive a unique **Site Key**, which is a long alphanumeric code.

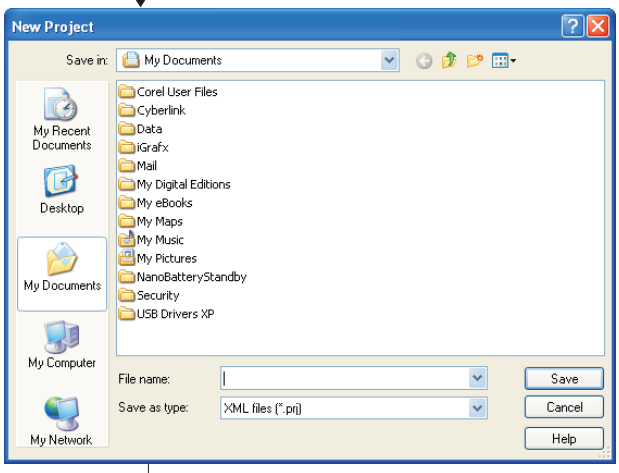
You can transfer the License from one computer to another using the 'Transfer License Out' and 'Transfer License In' functions.

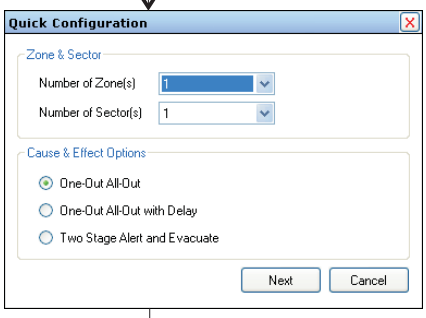
How to create a 'New' project file

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



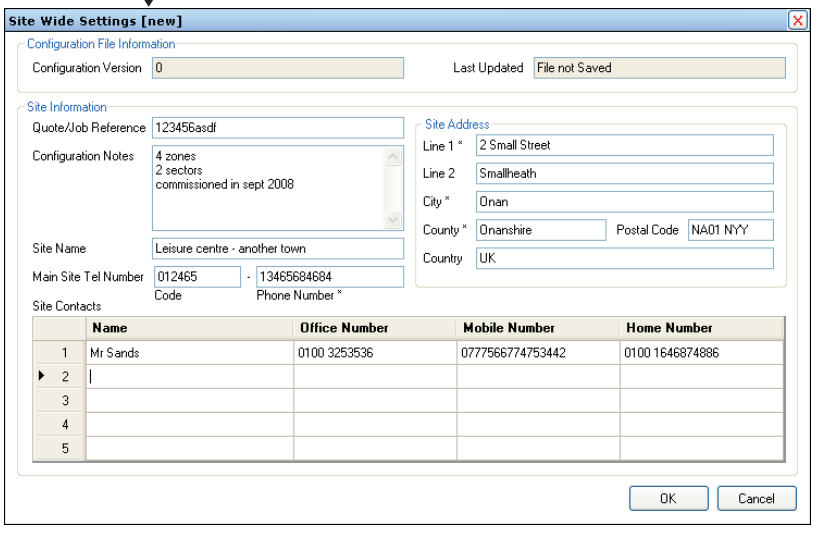
Press **Ctrl + N** or select the **New icon** or **New** from the *File* menu to create a new project file, which can be saved to a directory. The new project file will be empty and will have no site specific configuration or labels. (**xxx.prj**).





The **Quick configuration** settings allow entry of the number of **Zones** and **Sectors** required in the new system and the selection of the required **Cause and Effect:**
- One-Out All-Out
- One Out All-Out with Delay
- Two Stage Alert and Evacuate

You can always change these settings later in the Zone, Sector and Cause & Effect forms.

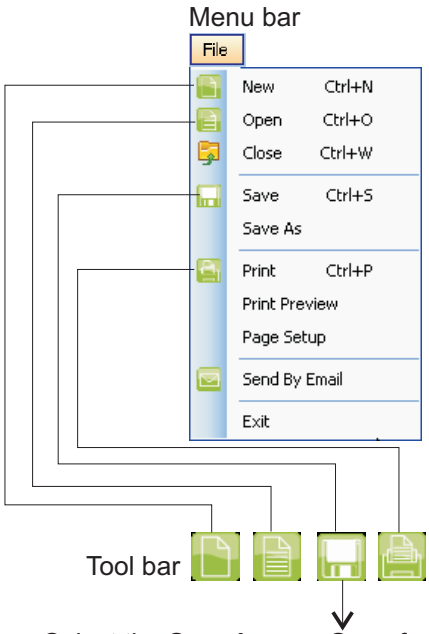


The **Site Wide Settings** allow entry of Site information to include Job reference number, configuration notes, site name, address, phone number and site contact details of the Responsible persons.

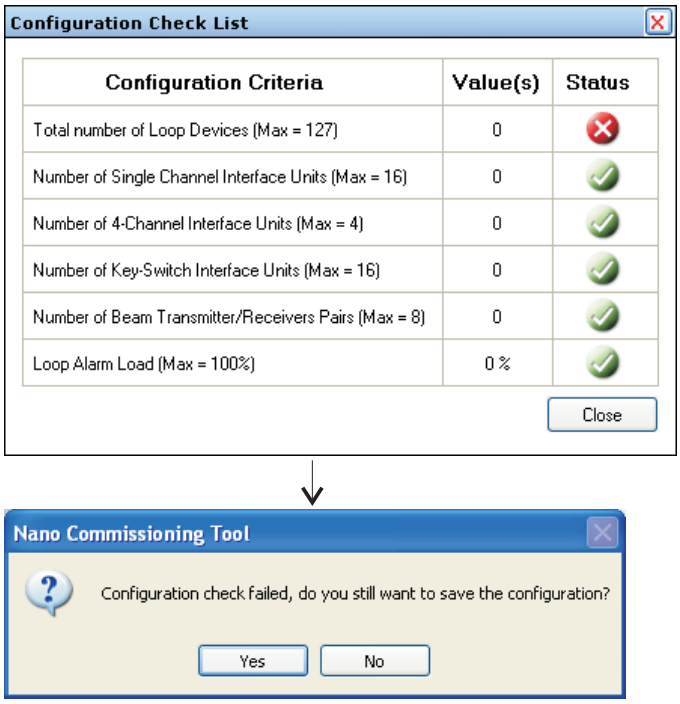
How to 'Save' a project file

Once the preliminary details have been entered you must save the data to a project file.

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

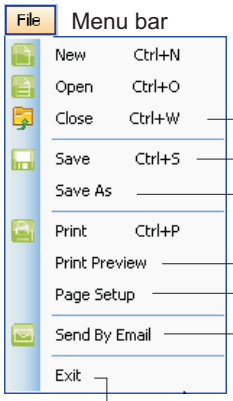


Select the **Save icon** or **Save** from the *File* menu to save any changes made to the Project file.



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 no loop devices.

File Menu options

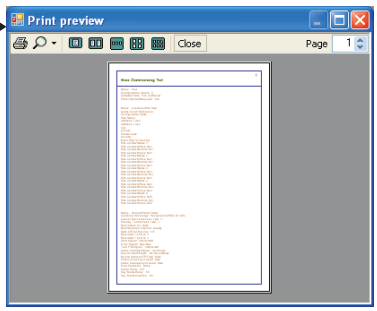


Press **Ctrl + W** or select **Close** from the *File* menu to close the project file without saving the configuration and labels.

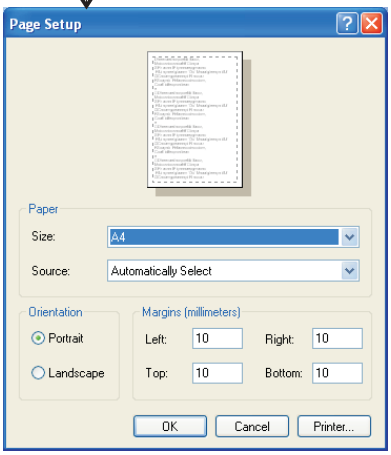
Press **Ctrl + S** or select the **Save icon** or select **Save** from the *File* menu to save the configuration and labels to the project **xxx.prj** file.

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

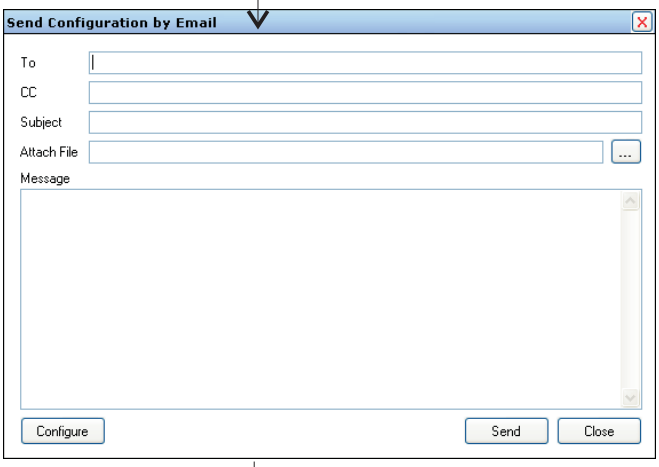
Select **Exit** from the *File* menu to close the Nano Commissioning tool.



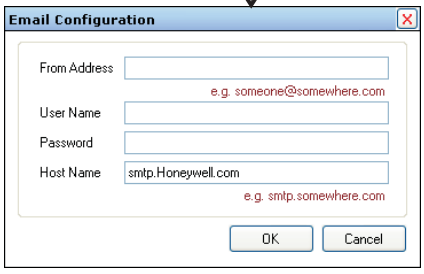
Select **Print Preview** from the *File* menu to display the actual layout of the printed page on your PC screen. You can look at all the pages of the printout, view details of the page by zooming in to ensure the text is within the printable area.



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.

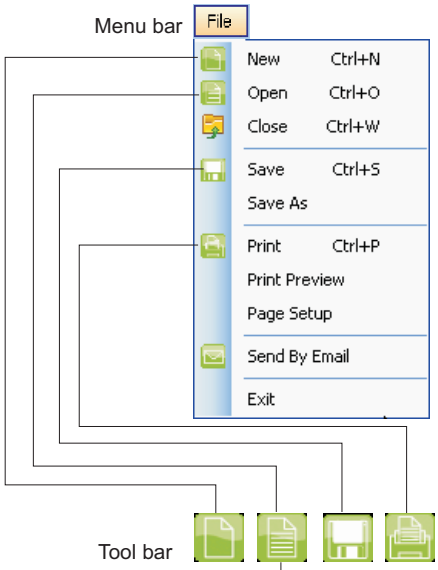


You can attach a project file and send it via email to others.

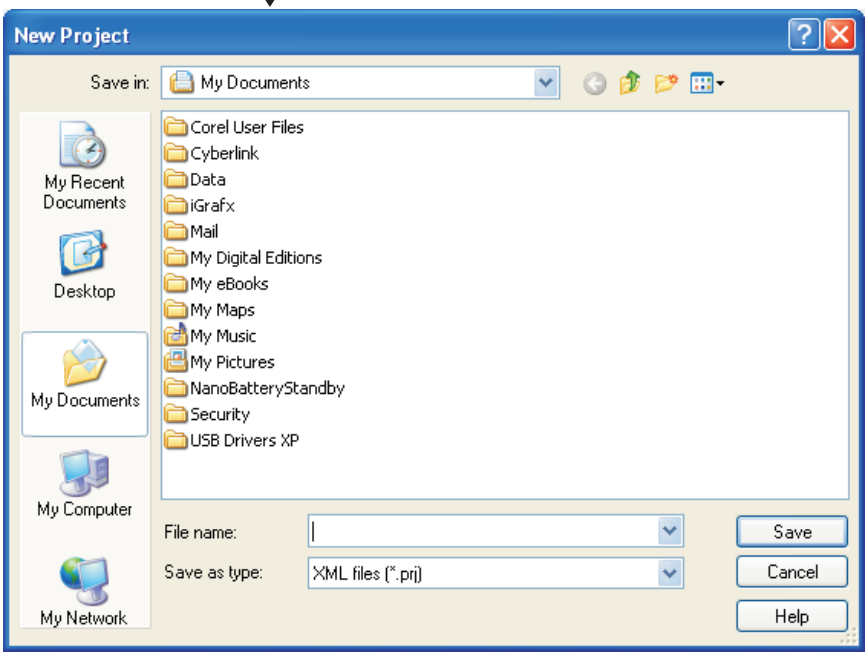


This is where you declare the smtp host.

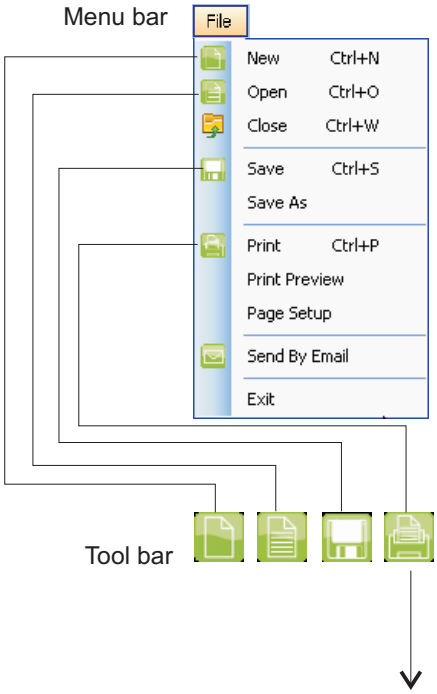
How to 'Open' an existing project file



Press **Ctrl + O** keys or select **Open** from the *File* menu
or click on the **Open icon** to open a previously saved project file.
A project file holds the system configuration and labels which can be
edited once the file is opened (**xxx.prj).**

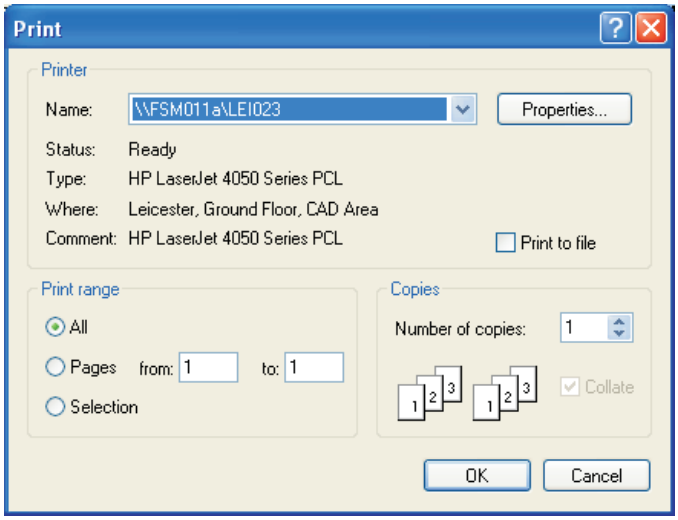


How to 'Print' the project file

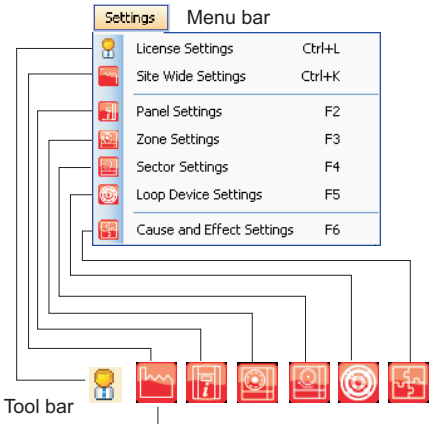


Press **Ctrl + P** or select **Print** from the *File* menu to print the Nano system configuration and labels to a connected printer.

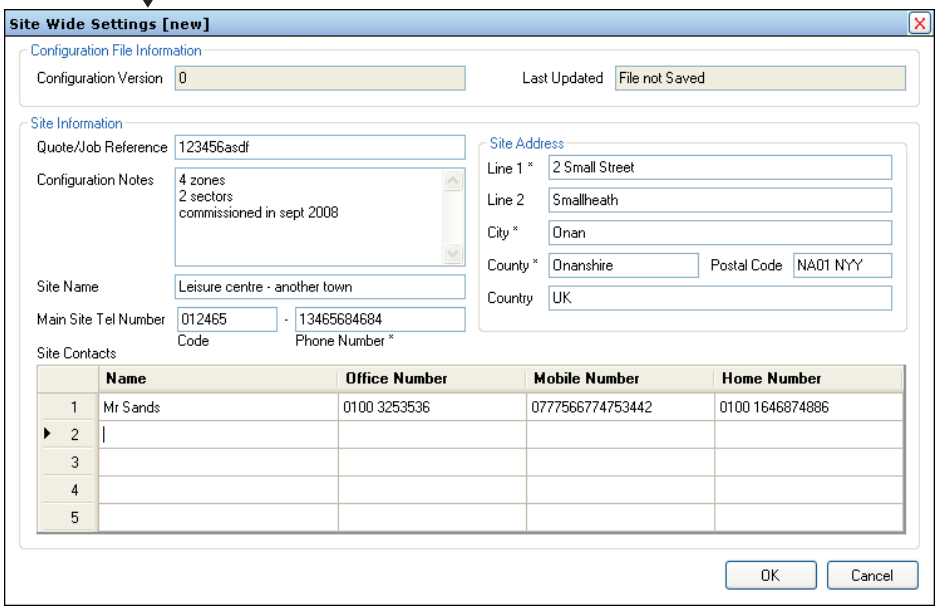
The printout includes:
Site file name, Configuration version, Customer details, Site contact details, Panel settings and System configuration and label of devices, zones and sectors.



How to enter 'Site Wide Settings'

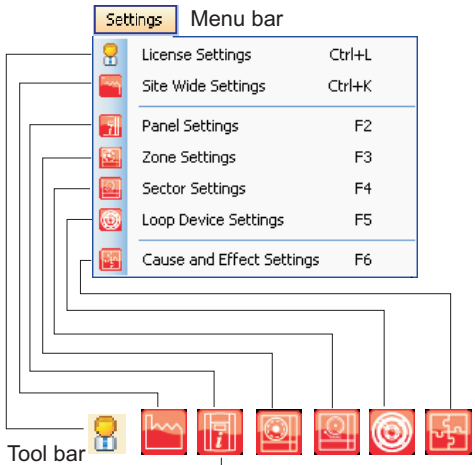


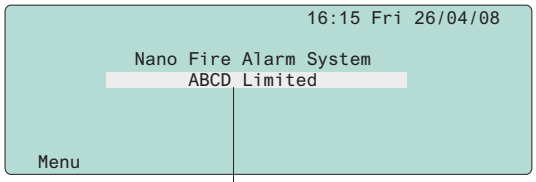
Select the **Site Wide Settings icon** or **Site Wide Settings** option in the *Settings* menu or press the **Ctrl + K** keys to allow entry of information like: Quote/Job reference number, configuration notes, site name, phone number, address and site contact details (details of Responsible persons).



How to enter the 'General Panel Settings'

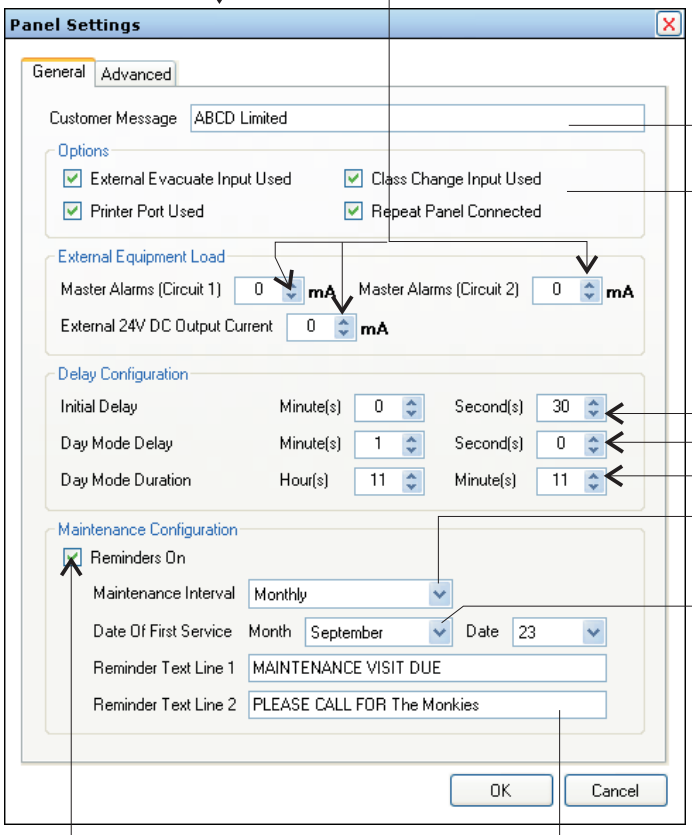
The general panel settings have options to set the use of External Evacuate Input, Class Change Input, Printer port usage and Repeat indicator panel. The form allows entry of the current taken by the Master Alarms and External 24V DC output. You can set the delay configuration with entry of Initial Delay, Day Mode Delay and Day Mode Timeout. The Maintenance configuration includes the entry of reminder settings of interval, Date of first service and the reminder text.





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

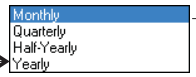


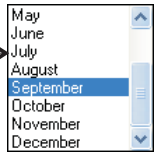
This 'Customer message' appears on the panel display in place of the Gent by Honeywell

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

Enter the **Initial delay** or **Day mode delay** (delay activated upon pressing the Verify button). time of up to 10 minutes maximum, the factory settings are: Initial delay of 30 seconds and Day mode delay of 5 minutes.

Enter the **Day Mode** timeout duration, a value up to 24 hours can be entered and the factory setting is 8 hours.





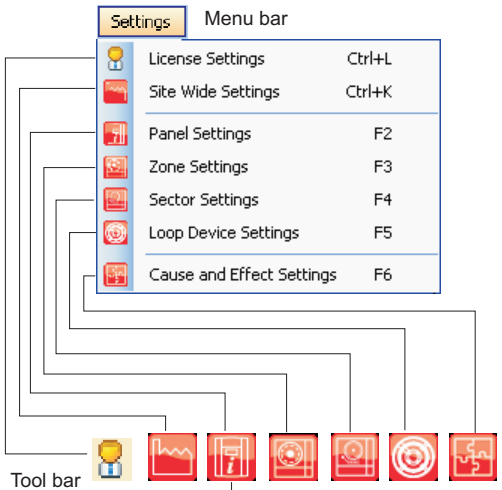
Set the Maintenance Reminder interval to Monthly, Quarterly, Half Yearly or Yearly from the Month of first service.

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.

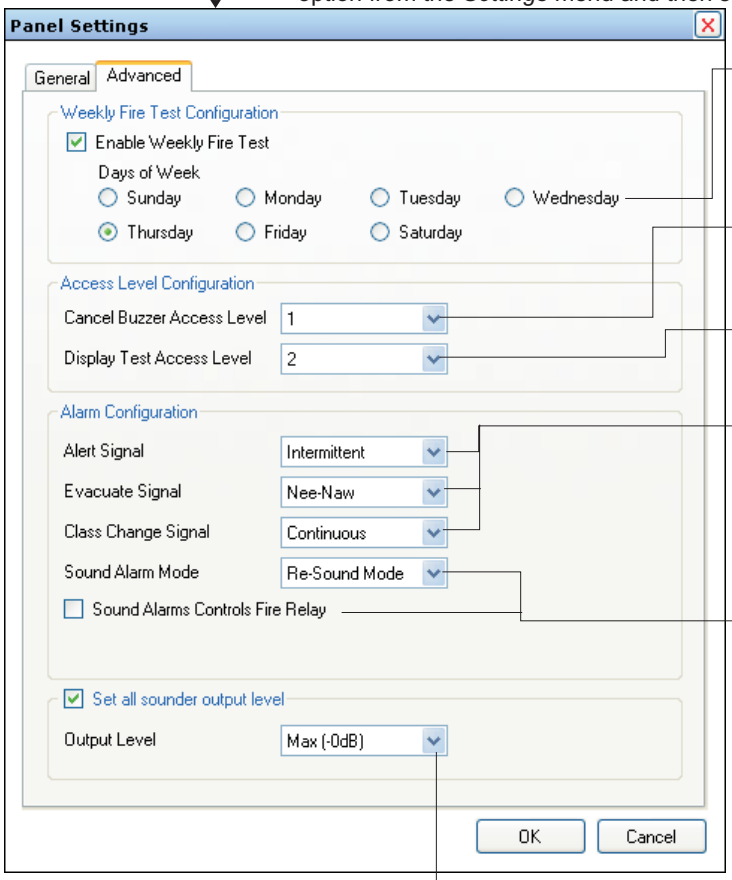
How to enter the 'Advanced Panel Settings'

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 display 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.



* - Default Factory settings

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



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 **Display Test** function to be operable at Access Level **2*** or 3

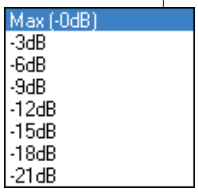


If required you can change the sound signal given out for Alert, Evacuate and Class Change.



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.

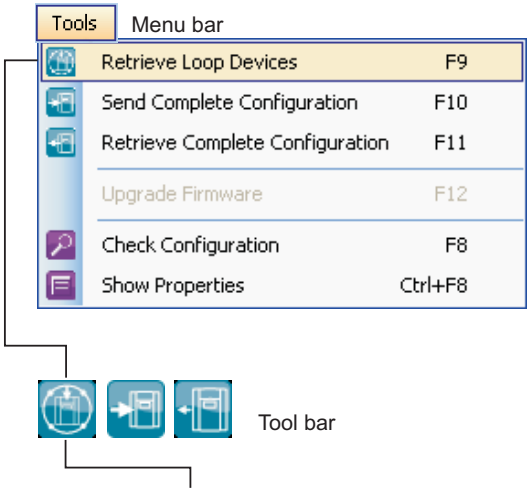
The **Fire relay** can be configured to be active with the 'Sound alarms' button.



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

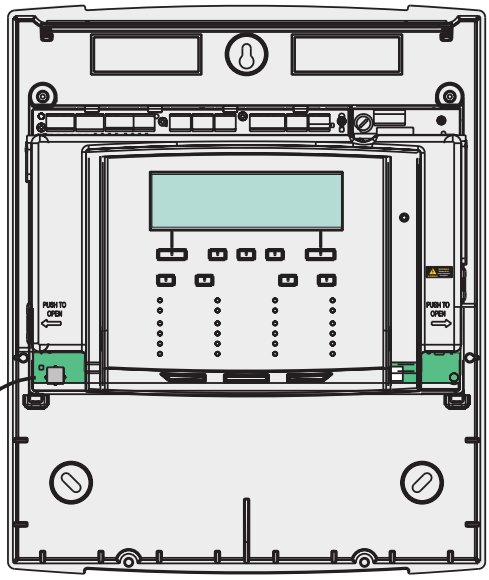
How to 'Retrieve' loop devices from the panel

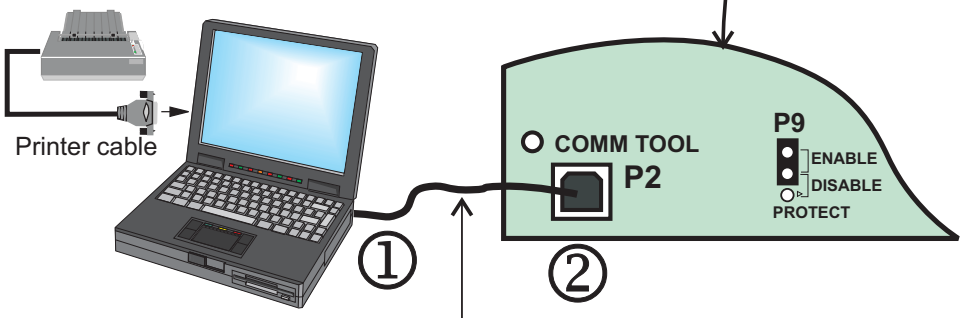
Assuming you have selected a New project and have entered the Quick configuration and Panel settings, you can retrieve the loop devices from the nano panel. To do this you will need to connect the laptop to the Nano panel using a USB lead and then select the Retrieve Loop Device icon at the Nano Commissioning tool.



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 Device** option from the *Tools* menu or Press the **F8** key to retrieve all the devices and their properties from the Nano panel into the tool.

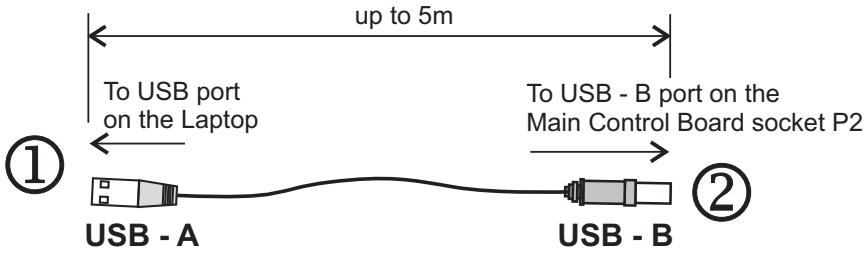
A view of the nano panel without the front cover



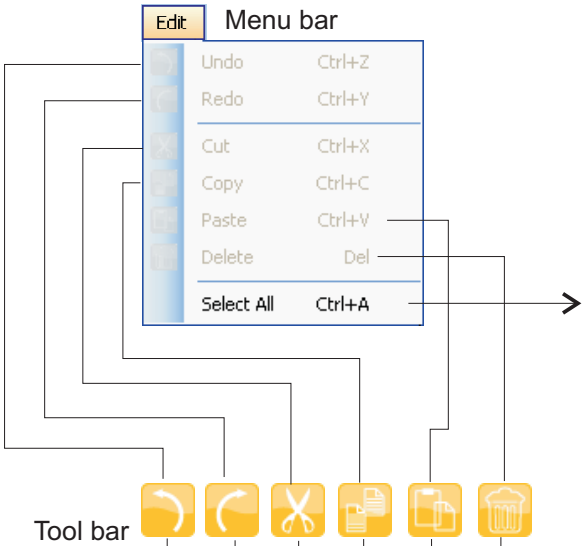


Connect the cable to USB port on Laptop and socket P2 on the Main Control Board

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



How to use the 'Edit' functions



Press **Ctrl + A** or click on **Select All** from the *Edit* menu to 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 hold the **Ctrl** button and by clicking on the required items from the list.

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.**

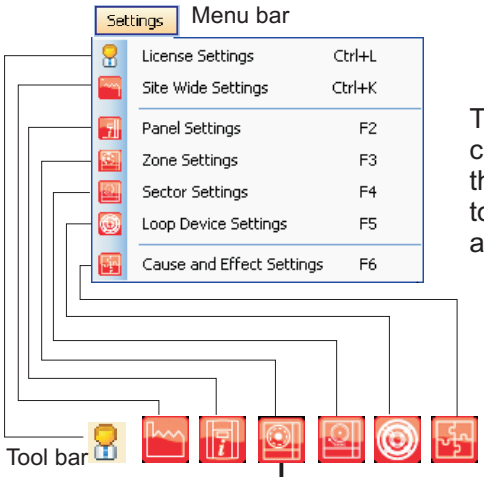
Select the **Delete icon** (the bin) or select **Del** from the *Edit* menu **to permanently delete a Zone or Sector that has NO ASSOCIATED DEVICES.**

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.

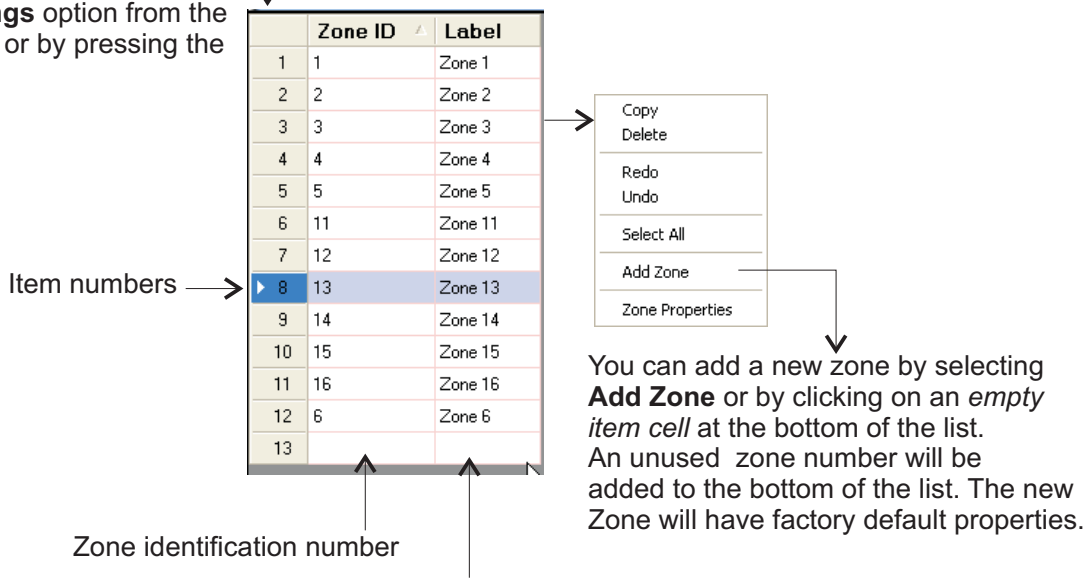
How to 'Add Zone'

A zone configuration can involve adding or removing a zone.



The columns of *Zone settings* headed **Zone 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.

Select the **Zone Settings icon** or **Zone Settings** option from the *Settings* menu or by pressing the **F3** key.



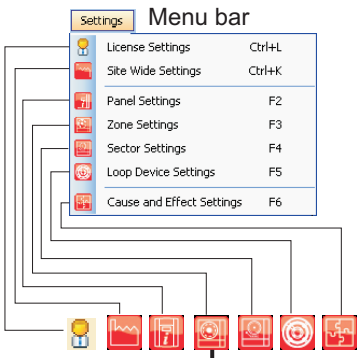
You can add a new zone by selecting **Add Zone** or by clicking on an *empty item cell* at the bottom of the list. An unused zone number will be added to the bottom of the list. The new Zone will have factory default properties.

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 can be up to 32 characters in length.

How to edit 'Zone label' and 'Immediate C&E'

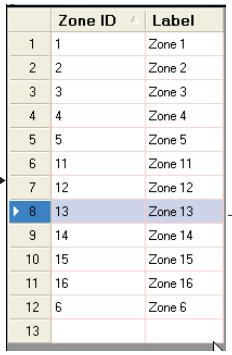
A zone configuration also involves editing a zone label, selecting the mode of operation and the setting of Immediate cause and effect.



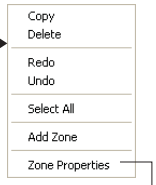
Menu bar

Tool bar

Select the **Zone Settings icon** or **Zone Settings** option from the *Settings* menu or by pressing 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	11	Zone 11
7	12	Zone 12
8	13	Zone 13
9	14	Zone 14
10	15	Zone 15
11	16	Zone 16
12	6	Zone 6
13		

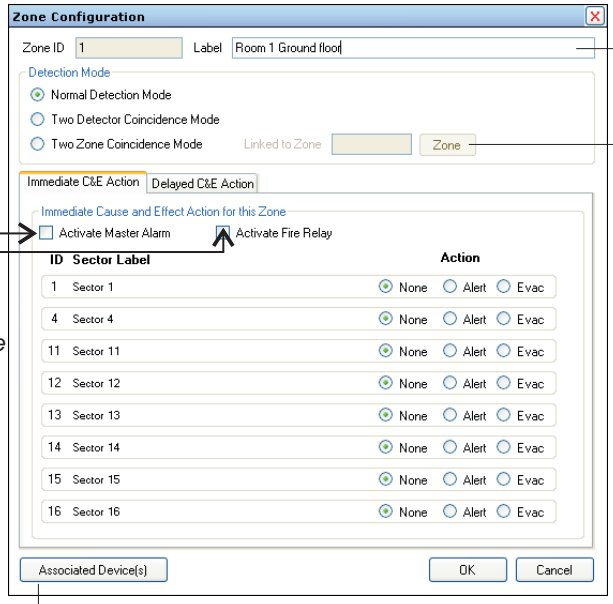




Select **Show Properties** icon or select **Show Properties** from the *Tools* menu or press the **Ctrl + F8** keys.

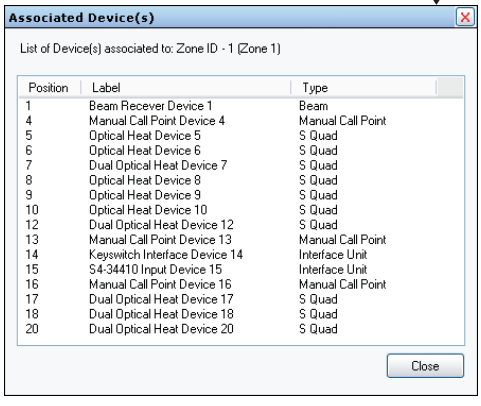
The Master Alarms and Fire Relay can be made active or inactive with Immediate Cause and Effect. These can be custom configured to site specific requirement.

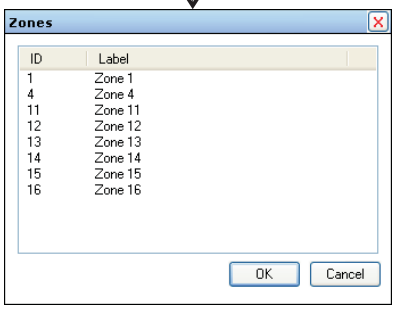
The zone's *Immediate Cause and Effect* alarm action can be custom configured to site specific requirement.



You can edit a zone label

You can view the devices in the zone by selecting the *Associated Device(s)* button.

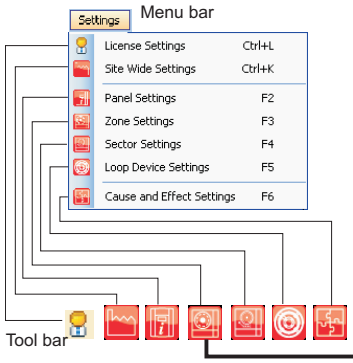




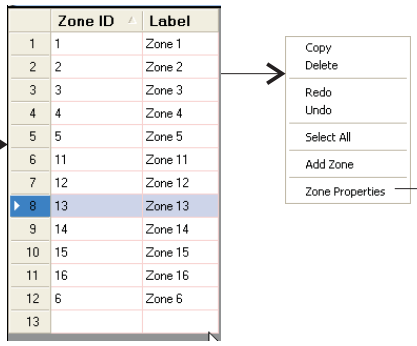
If 2-Zone coincidence mode is selected then you will need to select one linked zone from the zone list.

How to configure Zone 'Delayed C&E'

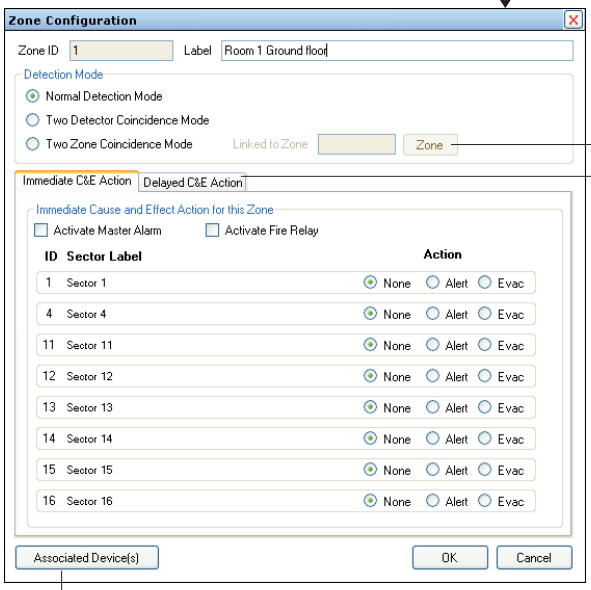
A zone configuration also involves setting of the delayed cause and effect



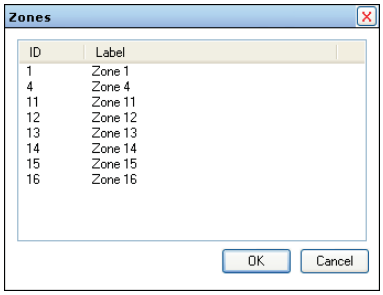
Select the **Zone Settings icon** or **Zone Settings** option from the *Settings* menu or by pressing the **F3** key.



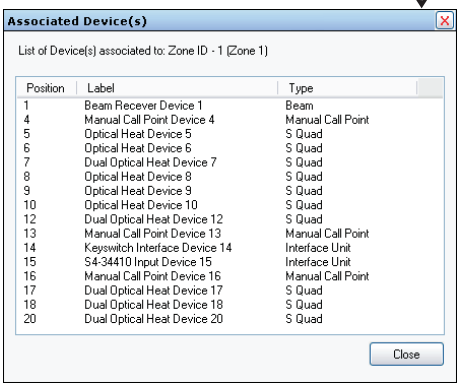
Select **Show Properties** icon or select **Show Properties** from the *Tools* menu or press the **Ctrl + F8** keys.

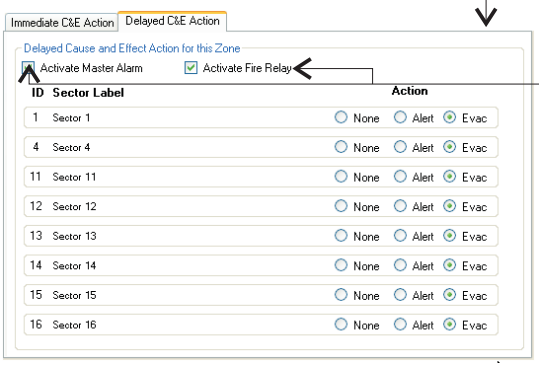


If 2-Zone coincidence mode is selected then you will need to select one linked zone from the zone list.



You can view the devices in the zone by selecting the *Associated Device(s)* button.



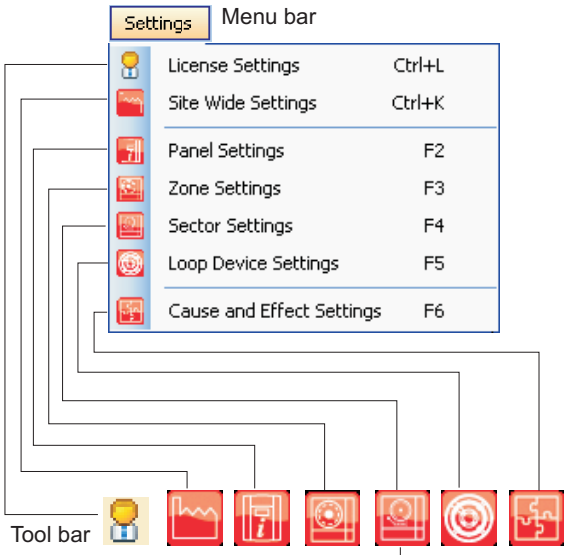


The Master Alarms and Fire Relay can be made active or inactive with Delayed Cause and Effect. These can custom be configured to site specific requirement.

The zone's Delayed Cause and Effect alarm action can be custom configured to site specific requirement.

How to 'Add Sector'

A sector configuration involves addition of sectors and the entry of sector labels.



Select the **Sector Settings icon** or **Sector Settings** option from the *Settings* menu or by pressing the **F4** key.

The columns of *Sector settings* headed **Sector label** or **Sector 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 without having to search all the items.

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

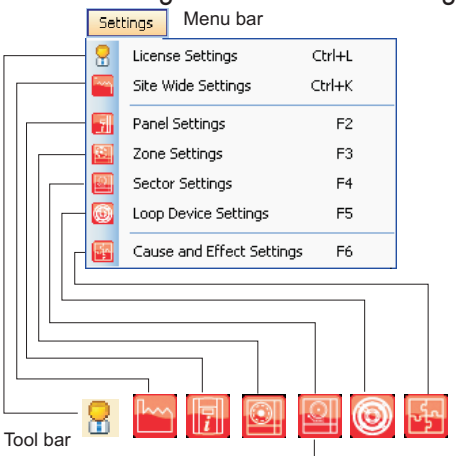


You can add a new sector by selecting **Add Sector** or by clicking on an *empty item cell* at the bottom of the list. An unused sector number will be added to the bottom of the list. The new Sector will have factory default properties.

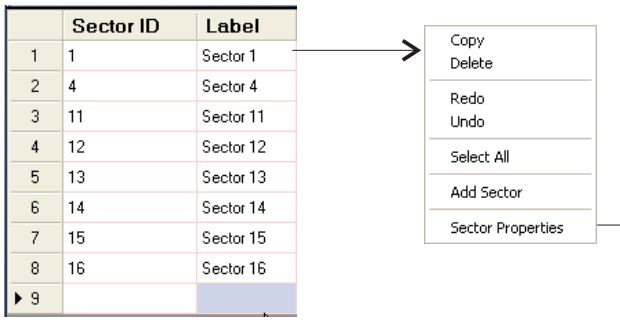
The default Sector label is Sector ‘n’, where ‘n’ is normally the same number as the sector item number. The label given to a sector can be up to 32 characters in length.

How to configure 'Alarm' or 'Plant' sector

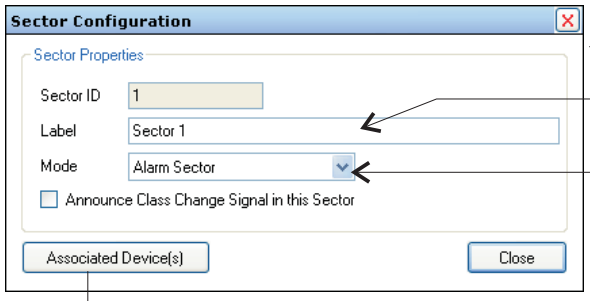
A sector configuration involves setting of a sector to an Alarm Sector or a Plant Sector.



Select the **Sector Settings icon** or **Sector Settings** option from the *Settings* menu or by pressing the **F4** key.



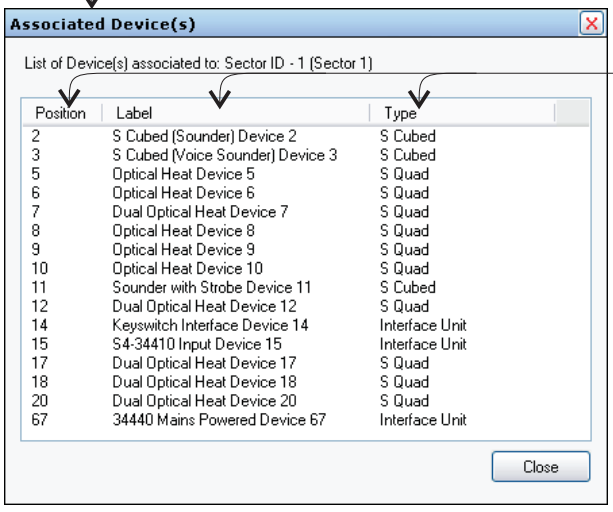
Select **Show Properties** icon or select **Properties** from the *Tools* menu or press the **Ctrl + F8** keys.



Enter a sector label.



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

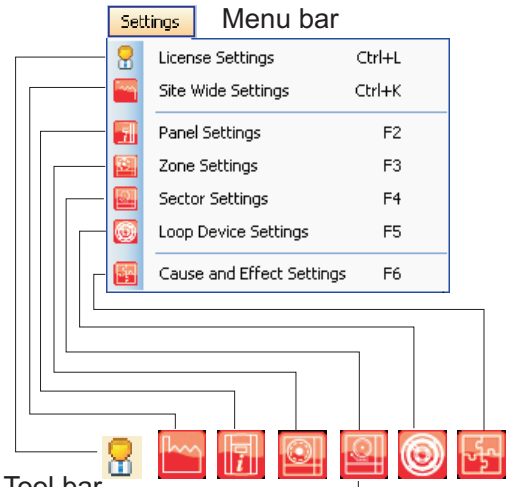


You can rearrange the data in the columns of Associated Devices. The data of **Device Position, Device label** or **Type** can be rearranged in an alphanumeric format by clicking on the *header* cell. This feature is useful you need to view common data without having to search the entire list.

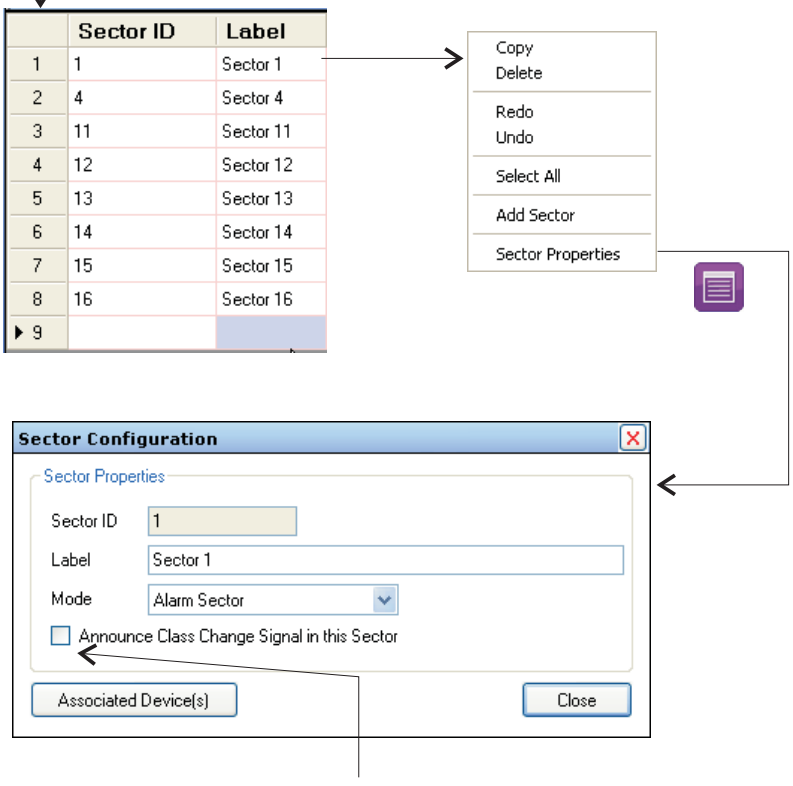
This list shows all the devices associated with the selected sector.

How to configure 'Class Change'

A sector configuration involves setting the class change input to operate a class change signal on an Alarm sector.



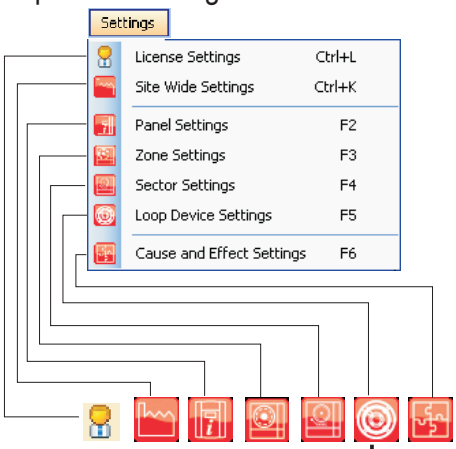
Select the **Sector Settings icon** or **Sector Settings** option from the *Settings* menu or by pressing the **F4** key.



Check this box to action Class Change signal in the Alarm Sector when a Class Change is activated.

How to associate Device to Zone and Sector

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



Select the **Loop Device Settings icon** or **Loop Device Settings** option from the *Settings* menu or by pressing the **F5** key.

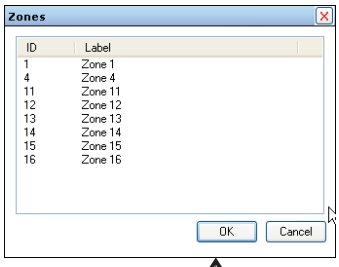
The columns of *Device settings* headed **Position, Label, Device ID, Device Type, Zone ID or Sector ID ca**n be rearranged in an alphanumeric format by clicking on the respective *header* cell. This feature is useful if you need to view common data without having to search all the items.

A Device such as a S-Cube 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 cannot belong to a Sector then the entry in Sector ID will not be applicable **NA**.

	Position	Label	Device ID	Device Type	Zone ID	Sector ID
1	1	Beam Recever Device 1	1	Beam	1	NA
2	2	S Cubed (Sounder) Device 2	2	S Cubed	NA	1
3	3	S Cubed (Voice Sounder) Device 3	3	S Cubed	NA	1
4	4	Manual Call Point Device 4	4	Manual Call Point	1	NA
5	5	Optical Heat Device 5	5	S Quad	1	1
6	6	Optical Heat Device 6	6	S Quad	1	1
7	7	Dual Optical Heat Device 7	7	S Quad	1	1
8	8	Optical Heat Device 8	8	S Quad	1	1
9	9	Optical Heat Device 9	9	S Quad	1	1
10	10	Optical Heat Device 10	10	S Quad	1	1
11	11	Sounder with Strobe Device 11	11	S Cubed	NA	1
12	12	Dual Optical Heat Device 12	12	S Quad	1	1
13	13	Manual Call Point Device 13	13	Manual Call Point	1	NA
14	14	Keyswitch Interface Device 14	14	Interface Unit	1	1
15	15	S4-34410 Input Device 15	15	Interface Unit	1	1
16	16	Manual Call Point Device 16	16	Manual Call Point	1	NA

You can right click mouse on a device item to view options.

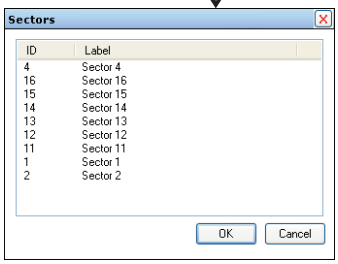
You can associate the device to a zone from the zone list.





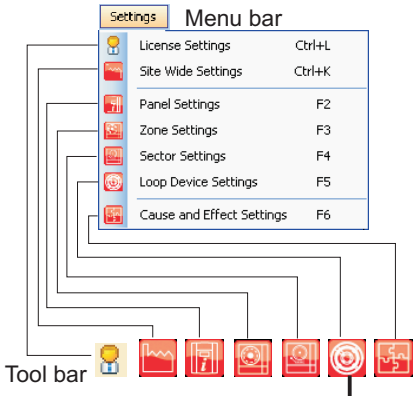
You can select multiple devices from the list and associate the devices to a Zone or a Sector. You can also change a common device property. To select a block of devices first click on the first item cell and then press and hold the **Shift** key and select the last item cell. Alternatively you can select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

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



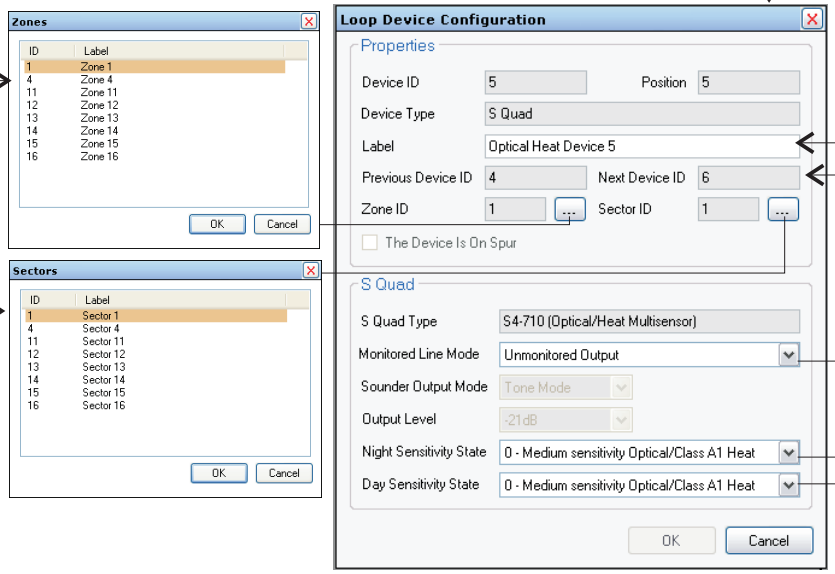
How to configure 'Device settings'

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.



Select the **Loop Device Settings icon** or **Loop Device Settings** option from the *Settings* menu or by pressing the **F5** key.

	Position	Label	Device ID	Device Type	Zone ID	Sector ID
1	1	Beam Recever Device 1	1	Beam	1	NA
2	2	S Cubed (Sounder) Device 2	2	S Cubed	NA	1
3	3	S Cubed (Voice Sounder) Device 3	3	S Cubed	NA	1
4	4	Manual Call Point Device 4	4	Manual Call Point	1	NA
5	5	Optical Heat Device 5	5	S Quad	1	1
6	6	Optical Heat Device 6	6	S Quad	1	1
7	7	Dual Optical Heat Device 7	7	S Quad	1	1
8	8	Optical Heat Device 8	8	S Quad	1	1
9	9	Optical Heat Device 9	9	S Quad	1	1
10	10	Optical Heat Device 10	10	S Quad	1	1
11	11	Sounder with Strobe Device 11	11	S Cubed	NA	1
12	12	Dual Optical Heat Device 12	12	S Quad	1	1
13	13	Manual Call Point Device 13	13	Manual Call Point	1	NA
14	14	Keyswitch Interface Device 14	14	Interface Unit	1	1
15	15	S4-34410 Input Device 15	15	Interface Unit	1	1
16	16	Manual Call Point Device 16	16	Manual Call Point	1	NA



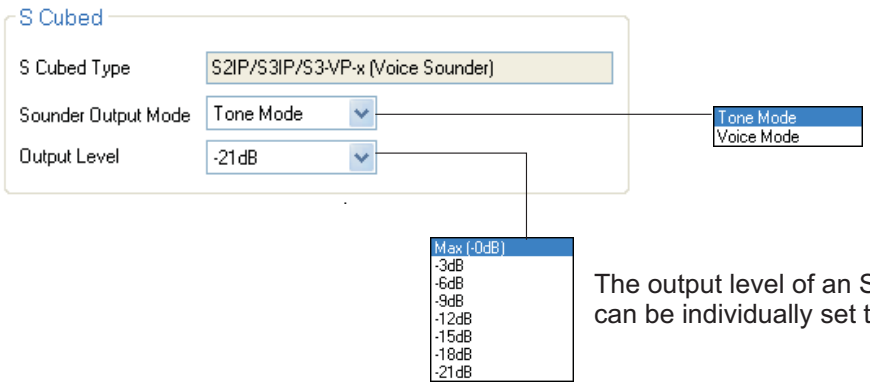
The default Device label is Device ‘n’, where ‘n’ is normally the same number as the item number. The label given to a device can be up to 32 characters in length.

This shows the Device numbers of the previous and next device.

To associate a device with a Zone or Sector click on a required Zone or Sector from the list. The factory default settings are all sensor and input devices are associated with Zone 1 and all sounder and output devices are associated with Sector 1.

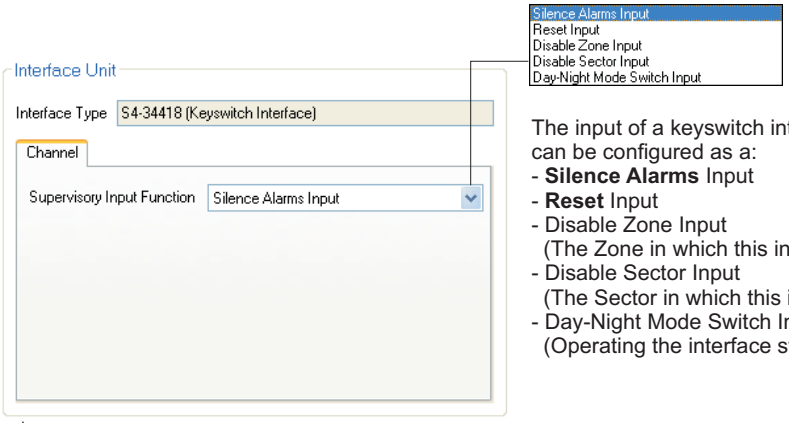
Only the applicable sensor states are displayed for selection. The states displayed are different for different Sensors. The default state is state 0. You can select the required state for Day mode and Night mode.

Voice Sounder S-Cube settings



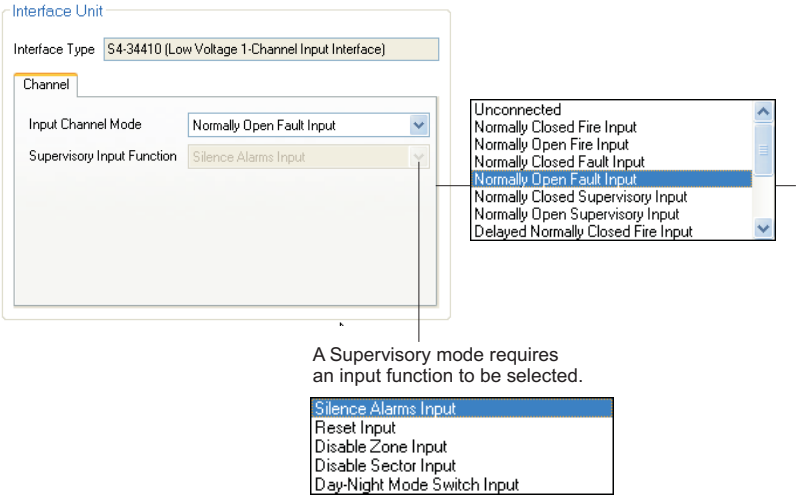
The output level of an S Cubed device voice/sounder can be individually set to a required value.

Keyswitch Interface settings



The input of a keyswitch interface unit can be configured as a:
- **Silence Alarms** Input
- **Reset** Input
- Disable Zone Input
  (The Zone in which this interface is located is Disabled)
- Disable Sector Input
  (The Sector in which this interface is located is Disabled)
- Day-Night Mode Switch Input
  (Operating the interface switch will switch On the Day or Night mode)

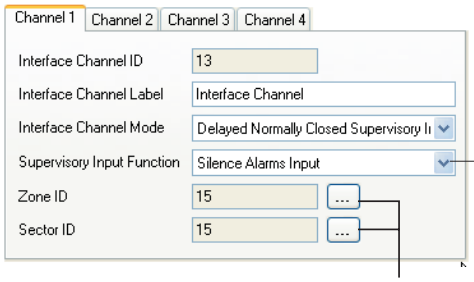
1 Channel Interface settings



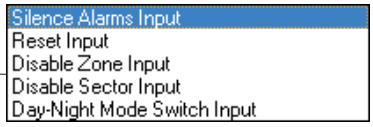
A Supervisory mode requires an input function to be selected.

The input of a single channel interface unit can be configured as:
- UNCONNECTED
- Normally Closed Fire Input
- Normally Open Fire Input
- Normally Closed Fault Input
- Normally Open Fault Input
- Normally Closed Supervisory Input
- Normally Open Supervisory Input
- Delay Normally Closed Fire Input
- Delayed Normally Open Fire Input
- Delayed Normally Closed Fault Input
- Delayed Normally Open Fault Input
- Delayed Normally Closed Supervisory Input
- Delayed Normally Open Supervisory Input
- Zone Input

4 Channel Interface settings



A Supervisory mode requires an input function to be selected.

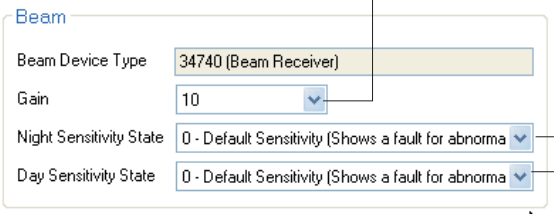


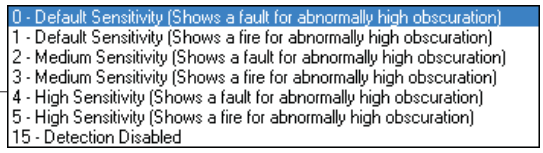
You can associate each channel of a 4-channel interface unit to unique Zone and Sector for the purpose of labeling.

Beam Sensor settings

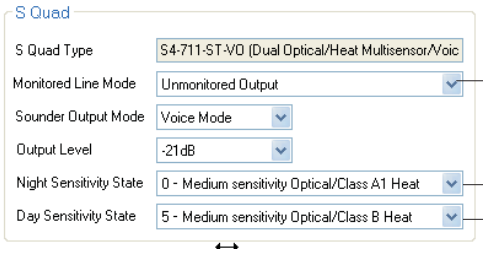
If you know the path length of a Beam sensor pair then you can set the gain at the Beam receiver, the gain range is between 0 to 63.

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

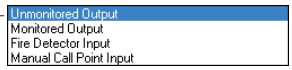


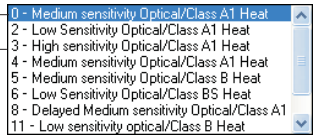


S-Quad sensor settings



If the Monitored line of an S-Quad device can be configured as an input or output.



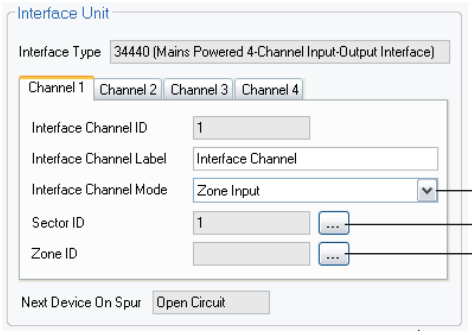


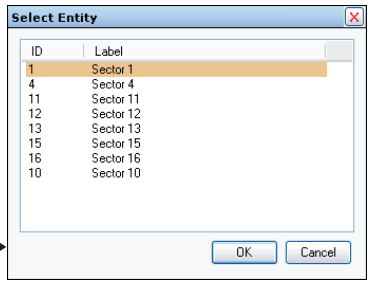
Only the applicable sensor states are displayed for selection. The states displayed are different for different Sensors. The default state is state 0. You can select the required state for Day mode and Night mode.

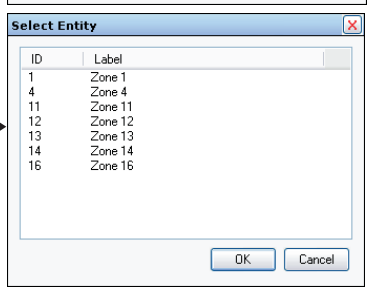
Mains powered interface settings

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





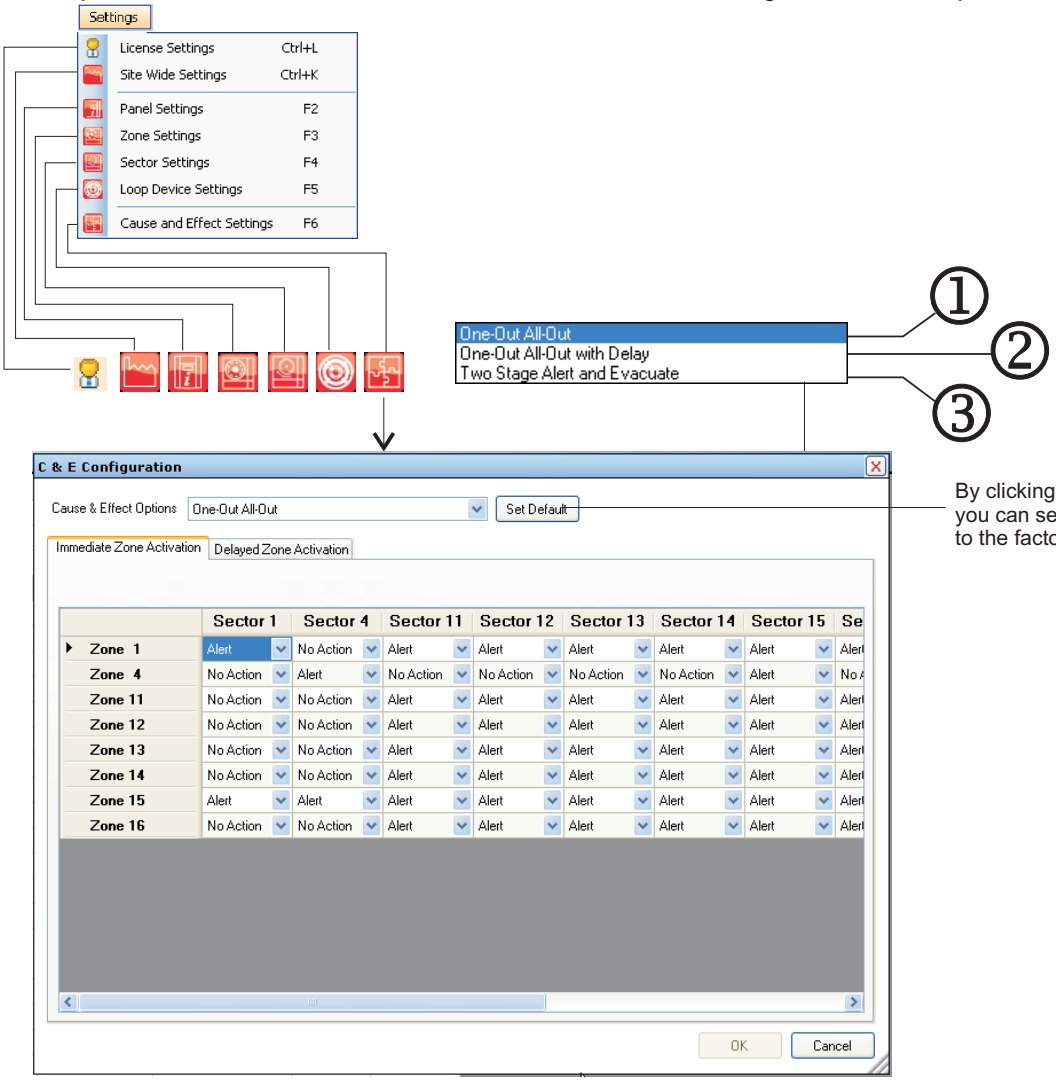




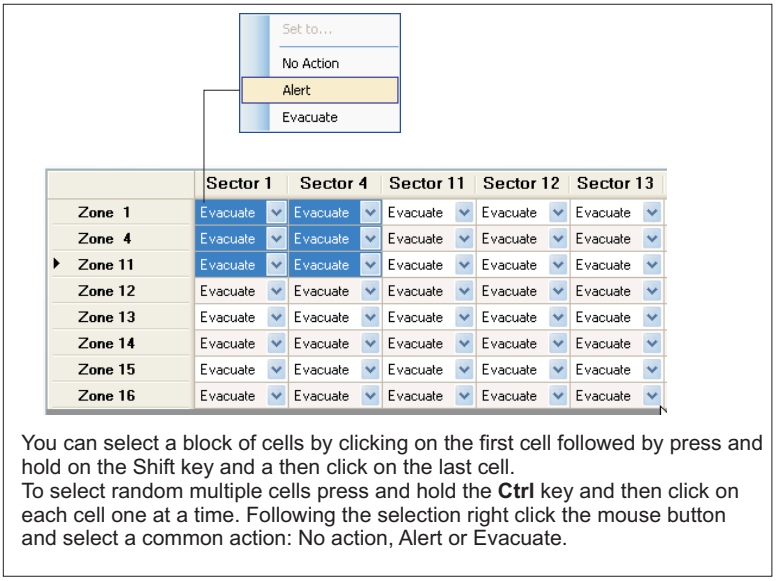
You can associate each channel of a 4 - channel mains powered interface unit to a Sector or a Zone for the purpose of labeling.

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.



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



You can select a block of cells by clicking on the first cell followed by press and hold on the Shift key and a then click on the last cell.
To select random multiple cells press and hold the **Ctrl** key and then click on each cell one at a time. Following the selection right click the mouse button and select a common action: No action, Alert or Evacuate.

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

Immediate Zone Activation

	Sector 1	Sector 4	Sector 11	Sector 12	Sector 13	Sector 14	Sector 15	Sector 16	Activate Master Alarm	Activate Fire Relay
Zone 1	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 4	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 11	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 12	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 13	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 14	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 15	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 16	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑

Delayed Zone Activation

Initial Delay Minute(s) 0 Second(s) 30 **Day Mode Delay** Minute(s) 1 Second(s) 0

	Sector 1	Sector 4	Sector 11	Sector 12	Sector 13	Sector 14	Sector 15	Sector 16	Activate Master Alarm	Activate Fire Relay
Zone 1	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 4	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 11	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 12	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 13	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 14	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 15	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 16	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐

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

Immediate Zone Activation

	Sector 1	Sector 4	Sector 11	Sector 12	Sector 13	Sector 14	Sector 15	Sector 16	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 4	No Action	No Action	No Action	No Action	No Action	No Action	No Action	No Action	☐	☑
Zone 11	No Action	No Action	No Action	No Action	No Action	No Action	No Action	No Action	☐	☑
Zone 12	No Action	No Action	No Action	No Action	No Action	No Action	No Action	No Action	☐	☑
Zone 13	No Action	No Action	No Action	No Action	No Action	No Action	No Action	No Action	☐	☑
Zone 14	No Action	No Action	No Action	No Action	No Action	No Action	No Action	No Action	☐	☑
Zone 15	No Action	No Action	No Action	No Action	No Action	No Action	No Action	No Action	☐	☑
Zone 16	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) 1 Second(s) 0

	Sector 1	Sector 4	Sector 11	Sector 12	Sector 13	Sector 14	Sector 15	Sector 16	Activate Master Alarm	Activate Fire Relay
Zone 1	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 4	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 11	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 12	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 13	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 14	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 15	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑
Zone 16	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☑

③ Two Stage Alert and Evacuate (factory default settings)

Immediate Zone Activation

	Sector 1	Sector 4	Sector 11	Sector 12	Sector 13	Sector 14	Sector 15	Sector 16	Activate Master Alarm	Activate Fire Relay
Zone 1	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑
Zone 4	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑
Zone 11	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑
Zone 12	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑
Zone 13	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑
Zone 14	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑
Zone 15	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑
Zone 16	Alert	Alert	Alert	Alert	Alert	Alert	Alert	Alert	☐	☑

Delayed Zone Activation

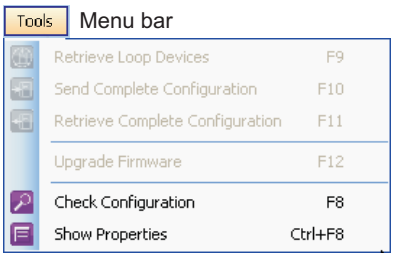
Initial Delay Minute(s) 0 Second(s) 30 **Day Mode Delay** Minute(s) 1 Second(s) 0

	Sector 1	Sector 4	Sector 11	Sector 12	Sector 13	Sector 14	Sector 15	Sector 16	Activate Master Alarm	Activate Fire Relay
Zone 1	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 4	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 11	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 12	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 13	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 14	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 15	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐
Zone 16	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	Evacuate	☑	☐

How to 'Transmit' or 'Retrieve' Configurations

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

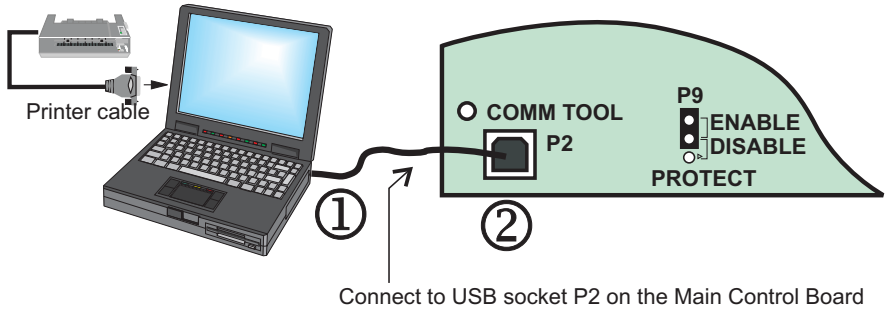
After transmission of the configuration to the Nano panel the Fire Detection and Alarm system must to be tested to ensure it functions correctly and meets site and project requirements.



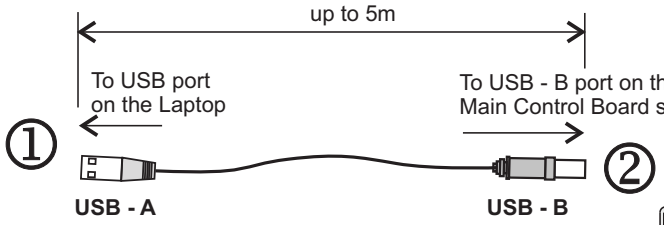


Where there is a fully configured Nano system and you need its configuration then you can retrieve the complete configuration from the Nano panel. The retrieved configuration must be saved to a new project file. Select the **Retrieve Complete Configuration** icon or select **Retrieve Complete Configuration**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

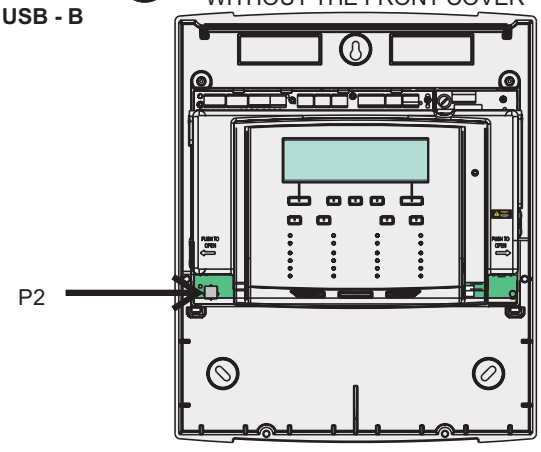
Once the Nano system is fully configured at the Nano Commissioning tool, you can send the configuration to the Nano panel. Select the **Send Complete Configuration** icon or select **Send Complete Configuration** from the *Tools* menu or press the **F10** key. Once the panel has the configuration ensure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



Connect to USB socket P2 on the Main Control Board



A VIEW OF THE NANO PANEL WITHOUT THE FRONT COVER

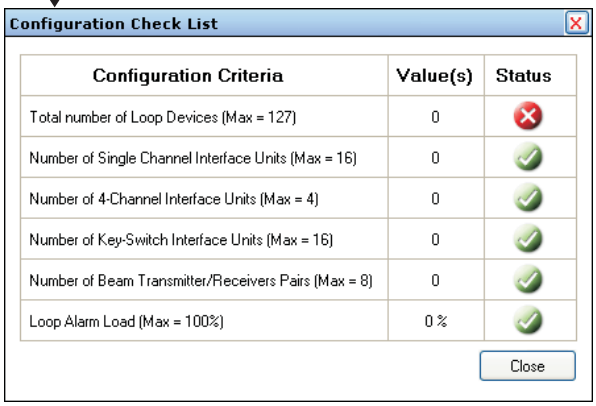


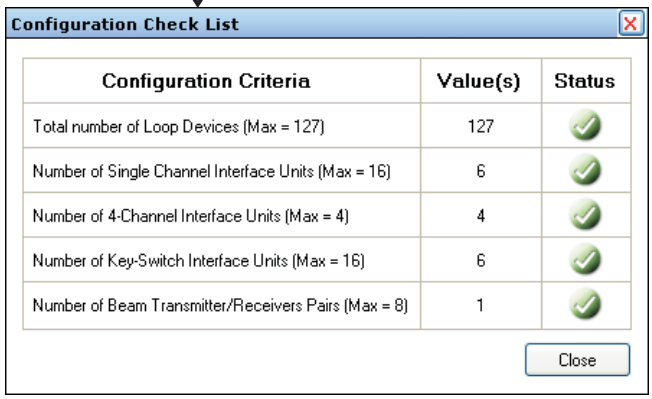
Other Options

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.



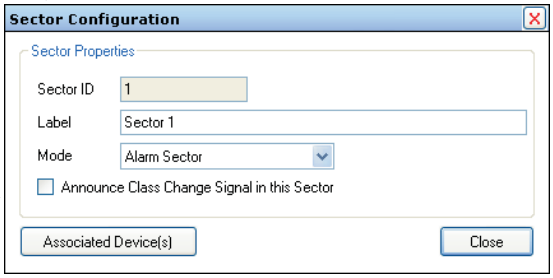


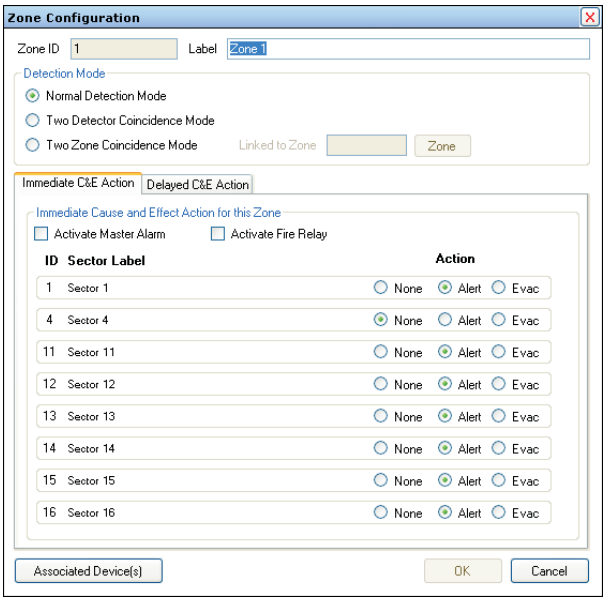


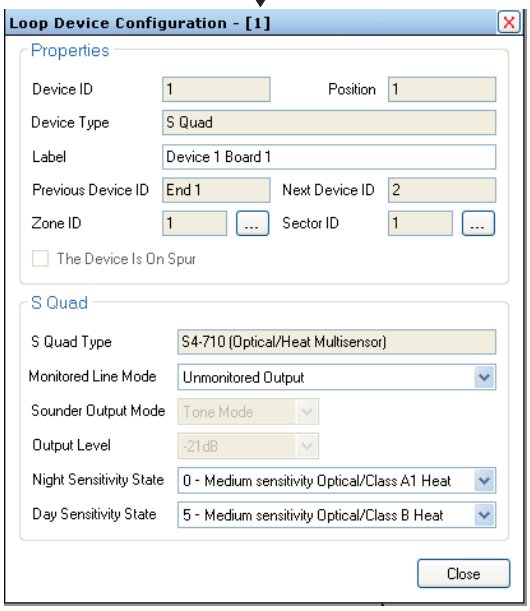
Properties of device, zone and sector

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









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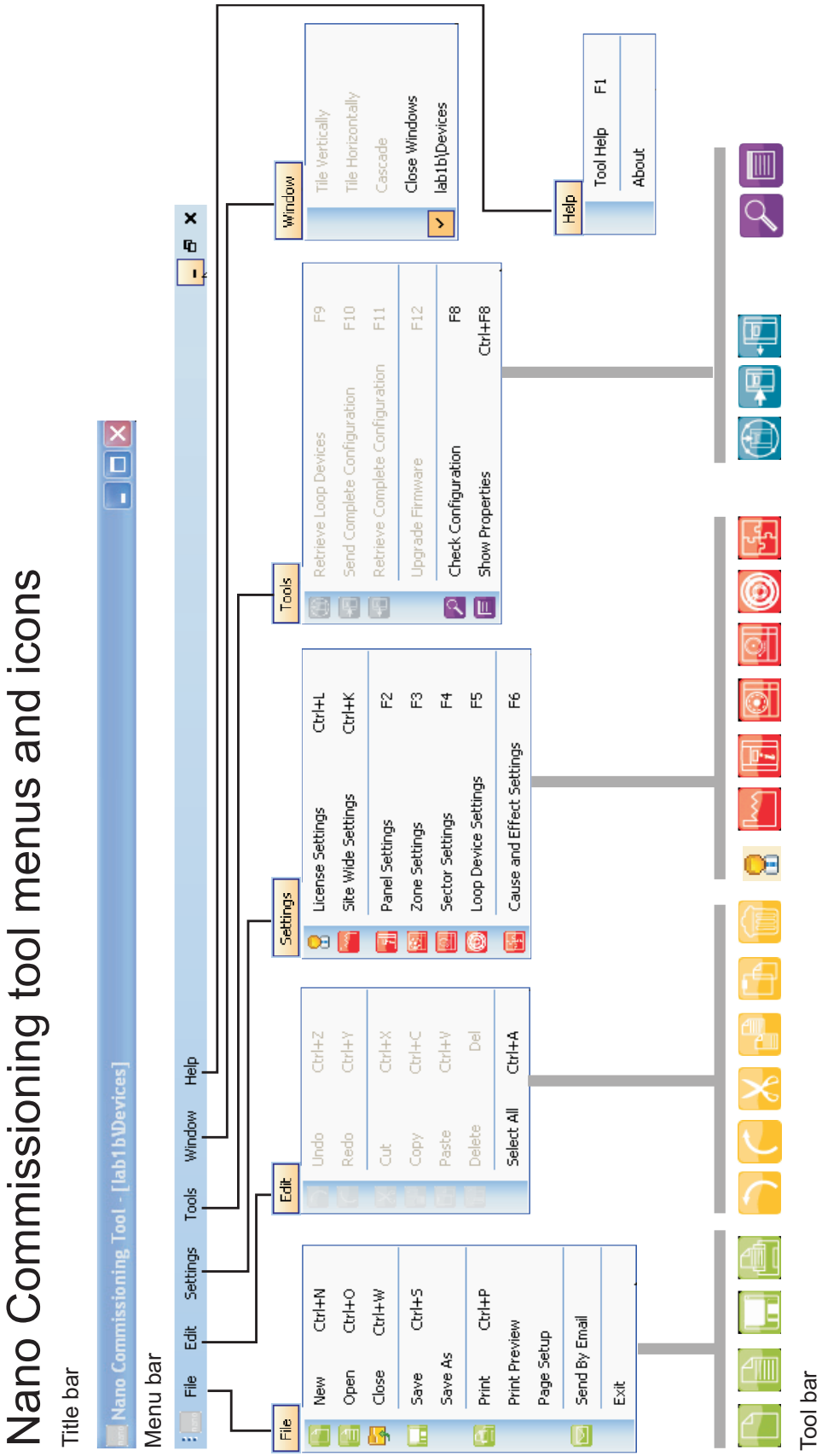
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