

Kentec Electronics Ltd.

Units 25-27
Fawkes Avenue
Questor
Dartford Kent
DA1 1JQ England

Tel: +44(0)1322 222121
Fax: +44(0)1322 291794

E-mail: sales@kentec.co.uk
Web: www.kentec.co.uk

Loop Explorer V6.00 Update Information

The following list details the changes made to Loop Explorer V6.00 and the reasons these were introduced.

The panel configuration related items will only work on V6.00 (or later) panels, but this version of Loop Explorer is backwards compatible with older control panel firmware.

More importantly, these configuration options are not supported in older versions of Loop Explorer, so it will not be possible to configure V6.00 panels with previous Loop Explorer versions

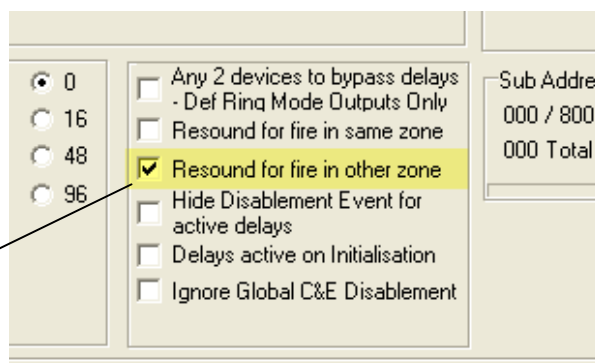
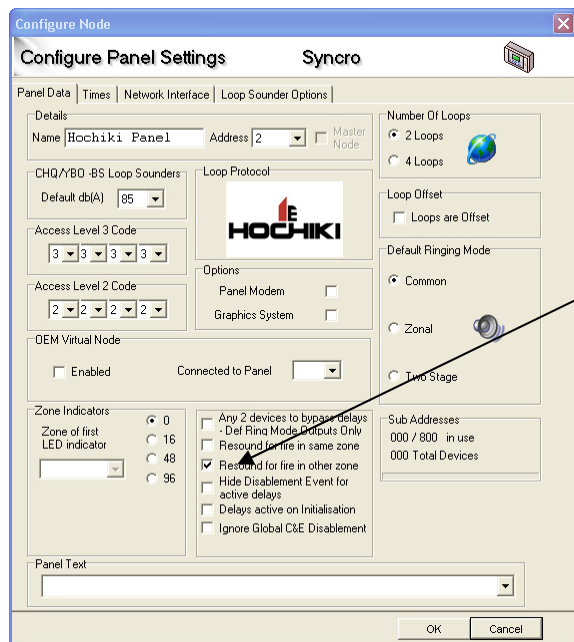
Automatic Sounder Resound operation

Due to EN54-2 Amendments A1 and A2 requirements, a revision to the Sounder "resound" operation has been introduced.

On older panels, when there is a fire in a zone and the sounders are silenced, the sounders will automatically re-sound for a fire in another zone.

The requirement of EN54-2 A1/A2 requires that it is possible to configure the panel so the sounders do not resound for a fire in another zone. There is now a configuration option in loop explorer "Edit Panel Settings" screen to allow this selection.

This revision only applies to panels with V6.00 or later firmware



Zone disablements for Loop Input/Output devices

For Loop I/O devices, when the zone that the physical module address is mapped to has been disabled, then ALL inputs / outputs associated with that module would be disabled, regardless of whether the input sub-addresses are mapped to the same zone as the physical module.

It is now possible to configure a loop I/O device so that when the physical module address and input / output addresses are mapped to different zones, there is an option to configure whether all sub-address inputs/outputs will be disabled with the zone of the module or not.

Option to include/exclude module inputs / outputs in the module zone disablement

Option to include output sub-addresses in the zone disablement to which they are configured

When a zone is disabled, normally only input devices are included in the disablement and outputs remain active. We have added an option to permit I/O outputs to be included in the zone disablement to which they are configured

Finally, if the Inputs/ Outputs are configured to be included in the module zone disablement (as shown above) and the inputs are configured to different zones to the module address zone, they can still be included / excluded in the module zone disablement.

Option to include inputs in the module zone disablement

Adding these levels of flexibility allows simple isolation of all plant control outputs / inputs by means of a single zone disablement, rather than by complex cause and effects or macros.

Many customers used to map all plant outputs to Zone 500 and disable that zone to make the system safe for them to work on the system, but this option was removed for EN54-2 approval in V5.xx versions.

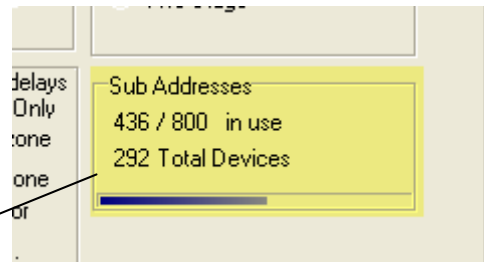
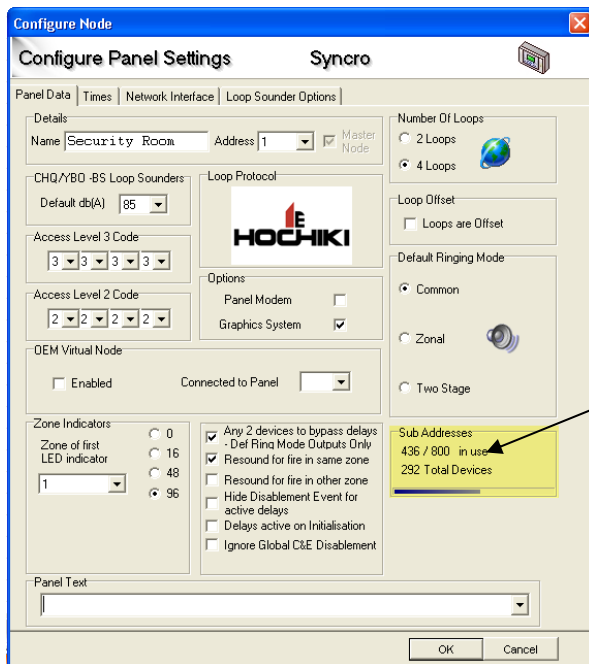
We have partially re-instated this facility using these configuration options

Note: This revision only applies to V6.00 or later panel firmware

Sub-address count verification

There have been a few instances where the sub-address count shown in the "edit panel" screen (stored in the configuration file) is incorrect when compared with the actual number of sub-addresses installed on the loops.

This mismatch seems to occur after editing of the configuration file and results in transfer errors being reported when the configuration is transferred to the control panel.



V6.00 Loop Explorer calculates the actual sub-address count and compares it to the stored count value. If there is a mismatch then the configuration files stored value is updated when the file is saved.

Syncro AS networks with more than 10 panels

In Loop Explorer V4.94, when adding more than 10 Syncro AS panels into loop explorer, the 11th panel onwards were added as Syncro AS panels, but could only be set to 2 or 4 loops in the Edit Panel Settings screen. This is resolved in Loop Explorer V6.00

Q-Config Zone configuration error

If a zone for a device is selected in Q-config and the "down arrow" on the keyboard pressed several times, then the Q config screen closed, it was found that devices that had been selected using the down arrow key also had their zone set to the same number as the original device.

This appeared as "corruption" to the zone numbers because they hadn't been changed in Q-config.

This has been resolved in Loop Explorer V6.00

16 channel I/O input (S560) – input allocation error after changing channels from inputs / outputs (Loop Explorer)

If the S560 16 channel I/O card input channel attributes were changed from the default "Fault" input to other input types, it was found that if any of the other channels were re-configured from inputs to outputs, then all amended input channel configurations reverted to the default "Fault" input.

In Loop Explorer V6.00 the input channel allocations are maintained, even if the quantity of input / output channels is amended

There was an error whereby the two programmable inputs on the K546 6-way sounder cards were incorrectly allocated. When the configuration file is transferred to the control panel, it was found that any text and zone allocations for input 1 was being allocated to input 2 (and vice versa).

Output Delay Configuration error for International Regional setting

Apollo Protocol specific revisions:

The "Discovery Sounder Tones" tab on the edit panel settings screen is no longer visible, unless there are Discovery Sounders installed on the detection loops for that panel.

The Apollo DSBB sounder tones selection screen has been updated to allow 30 individual tone options to be selected for "Common Event" outputs and one of 15 "tone pairs" to be selected for cause and effect / 2 stage default ring outputs. Of the selected tone pair a final selection is provided to allow the delayed / zonal def ring tone selection.

Page 4 of 7

The revised tone selection screen allows DSBB tone options and priorities supported by the devices to be clearly represented and configured.

The "common event" tones (tones that are sent to all DSBB regardless of the source of the event) have higher priority than "direct" commands to the DSBB. Therefore for example, DSBB controlled by Common Def Ring Mode will use one of these global commands and will all switch on at the same time.

DSBB controlled by cause and effect logic or 2-stage default ring mode use "direct" commands. This is necessary because the panel cannot pre-configure the devices before the event occurs, because it doesn't know the source of the fire. Therefore it has to send individual commands to each device in turn rather than switching them all with a single command.

Direct commands then use the 15 Apollo tone pairs for the tone selection. "Evacuate" or "Continuous Cause and Effect" outputs will use the DSBB primary tone, "Alert" or "Intermittent Cause and Effect" outputs use the secondary tone from the selected pair.

Direct commands have a lower priority than the "common event" commands. Therefore if a DSBB is switched on by a cause and effect but is also configured to operate on the common command then the tone / operation will revert to the common command output attributes

Delayed outputs or outputs controlled by Zonal ringing patterns also use "direct" commands. Of the tone pair selected, either the primary or secondary tone may be sent to the DSBB when switched on using this mode of control

Discovery Sounder Beacon Base (DSBB) - Beacon configuration

The DSBB beacon sub-address cannot be independently controlled if the DSBB has been switched using the "common event" controls detailed above. Configuration restrictions to only allow the beacon to be independently controlled from the sounder if the sounder is not controlled by a common event tone (i.e if the sounder is being controlled by Zonal / 2 stage def ring mode, delayed operation or by cause and effect) have been added.

Configure Settings

Configure Output Settings

Sounder Beacon Discovery at Address 001.01 Change Address

Output Properties

Device Output Properties

Options

- ☒ Def. Ring Mode (Fire)
- ☒ Evacuate Output
- ☒ Alert Output

Note : Uncheck Alert Output to Enable other Options

(Classified as Sounder)

Delay

First Delay Min

Second Delay Min

The beacon will follow the sounder settings when the panel is in Common Mode with Def. Ring set. The beacon settings are available if the panel is in Zonal / 2 Stage mode or the device has delayed operation or Def. Ring is not set on the sounder.

Acknowledge Alarm

- ☒ Silenceable

Note : Uncheck Def. Ring Mode if Output is to be controlled by Cause and Effects

Location Text

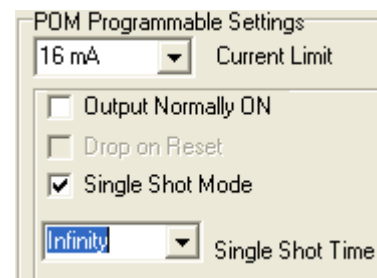
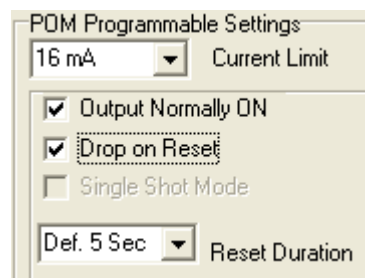
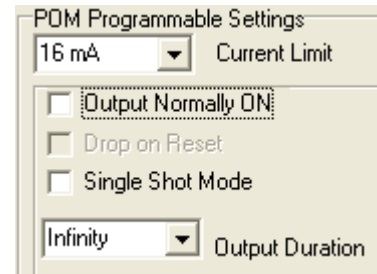
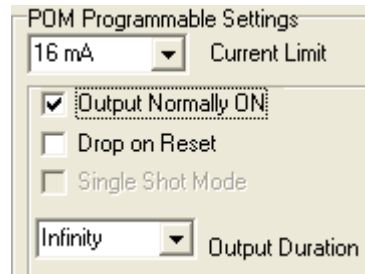
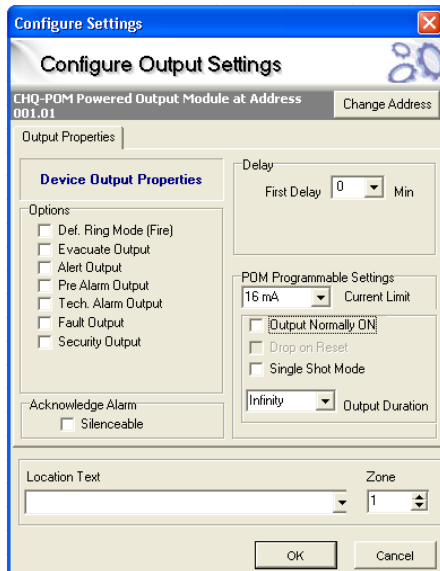
Zone

OK Cancel

Hochiki specific revisions:

CHQ-POM configuration screen

The configuration options for the POM output has been tidied to simplify the device settings and only allow the combination of output attributes supported by the device to be configured



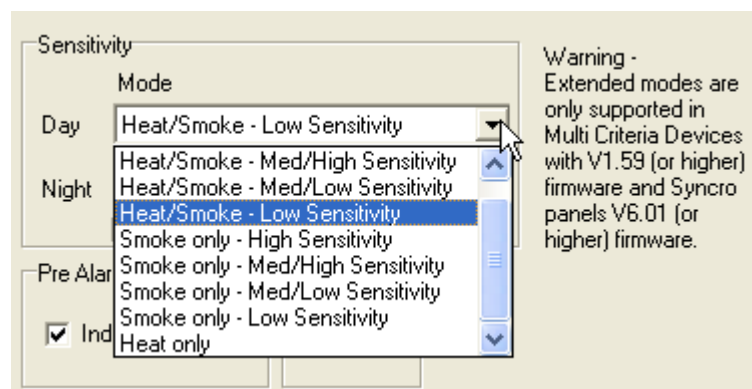
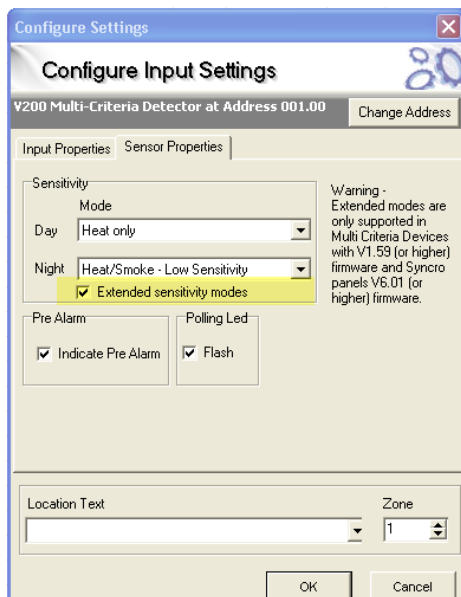
Argus Vega specific revisions:

Red Polling LED facility

This option is selected in the "Edit Panel Settings" screen and allows the Vega Lite detection devices (which do not support the standard green polling LED) to be configured to allow their fire indicator to flash on polling.

V200 Multi Criteria Monitor – Extended Modes

This device can now be configured to operate as multi criteria mode (4 sensitivity settings), optical mode only (4 sensitivity settings) or heat only mode (1 setting). This is only supported by V200 devices with firmware V1.59 or later and Syncro V6.01 or later.



V100 Optical / V200 Multi Criteria detectors sensitivity modes

The sensitivity mode options have been revised from Mode 1 – Mode 4 to High, Medium High, Medium Low and Low. The default setting is set to Low

Configure Settings

Configure Input Settings

V100 Optical Detector at Address 002.00 Change Address

Input Properties Sensor Properties

Sensitivity

Mode

Day Low Sensitivity

Night Low Sensitivity

Pre Alarm

☒ Indicate Pre Alarm

Polling Led

☒ Flash

Location Text

Zone 1

OK Cancel

Sensitivity

Mode

Day Low Sensitivity

Night Low Sensitivity

Pre Alarm

Polling Led

VMCZ100 Zone Monitor

This device has been added to the detection device list and may be configured for different zone threshold parameters.

This device is only supported with V6.00 or later control panels

