Product Update

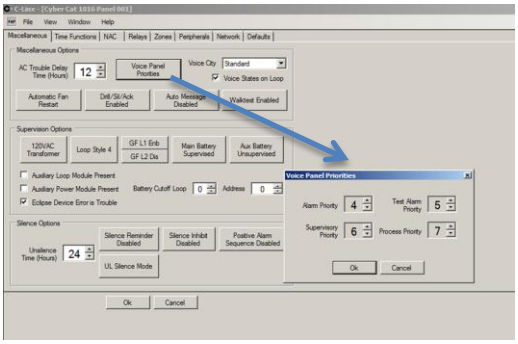
C-LINX V6.1.0.0

Fike is pleased to announce the next release of our CyberCat products' Configuration Software version V6.1.0.0. This document will detail the C-Linx software changes.

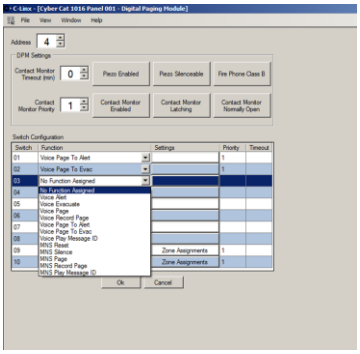
We strongly ENCOURAGE you to update your C-Linx software, to the newest V6.1.0.0. It is fully compatible with all previous versions of CyberCat firmware except version 1.0. As a reminder, a few of the features added in V6.1.0.0 will not be available with older version panels. Please go to the website (www.fike.com) and obtain the newest software for you and your staff.

Changes between V6.0.1.0 and V6.1.0.0:

1. **PANEL PRIORITIES –** Main Board Properties, Miscellaneous Tab, Voice Panel Properties.
   Previous versions of both C-Linx and panel firmware provided priority 0 on all events which EACH event was treated with highest priority. Any new event would override the previous event in priority. With V6.10 CyberCat XA firmware and C-Linx V6.1.0.0 software C-Linx assigns different priority levels for panel state priorities. Defaults are as shown, but can be modified to adjust to the specific installation requirements. These priorities will need to be evaluated with the priorties of all Audio, I/O, and Paging Module input switches. A configuration created or pulled in from older firmware, will be modified from priority 0 to 1. Priority 1 is the highest priority; 254 is the lowest priority. The system requires the Alarm to be higher priority than the Test Alarm, both higher priorities than Supervisory and then all of those higher than Process state. To edit these to a higher priority use the arrows to increment/decrement, but must start with the Process state and work backwards to lower priorities and provide ability to insert I/O inputs at higher priorities.



2. **Peripheral Input Priorities in conjunction with Panel Priorities -** All input switches (including Voice EVAC Switch Card, Switch Card- 20 Zone, Digital Paging Module, and Remote Microphone) each have priority levels that need to be taken into consideration with the panel priorities noted above. Map priorities of all input switches to a unique priority level in relation to the Panel Priorities to create hierarchy of operation for the specific installation/application. (Digital Paging module priority screen shown, but relates to several peripherals)



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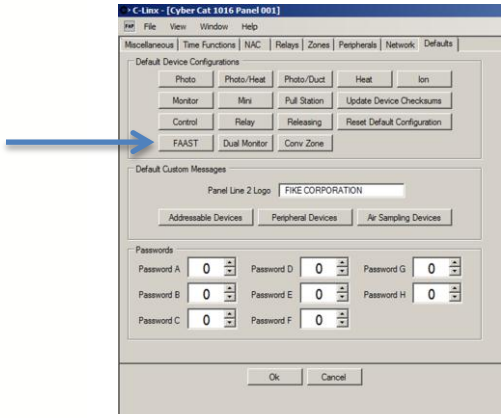
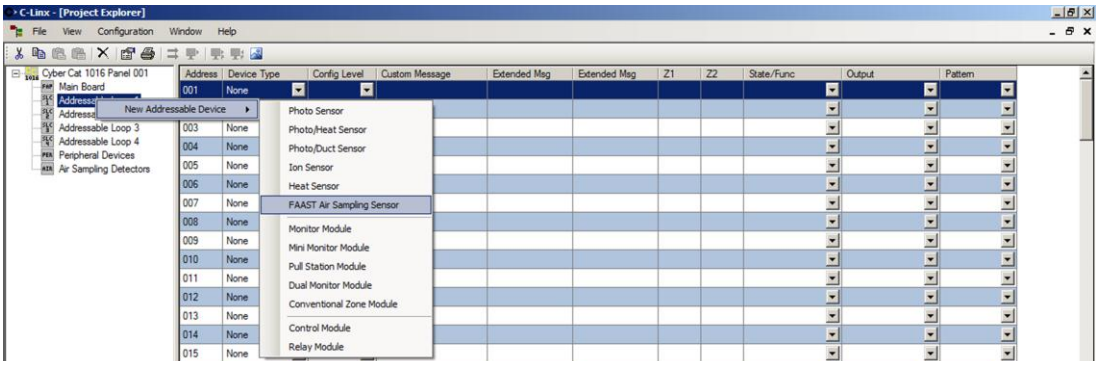
3. **Main Board, Defaults tab** – FAAST detector defaults can be created similar to other Eclipse devices.



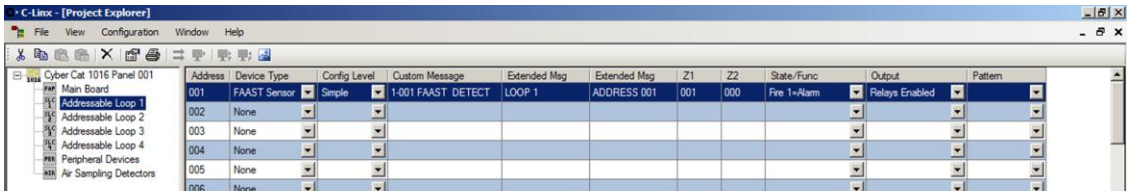
4. **FAAST Detector**

The FAAST Detector can be addressed using the C-Linx Assign Device Address (light LED function is not applicable to the FAAST Detector from this menu). The panel can also accommodate the addressing via the Device Address or Auto Address methods. The Hand-Held Programmer is also being updated with these features.

a. **FAAST Air Sampling Sensor Addressable Device** – New Detector selection same as other Eclipse devices on the SLC.



b. **FAAST Simple Config** – Similar Spreadsheet pull-down options as other Eclipse devices



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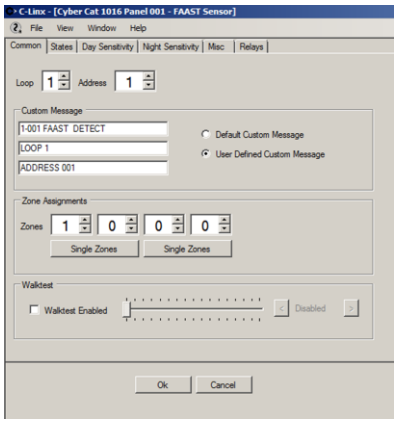
c. FAAST Normal Configuration – Common Tab

These configuration options are the same as other Eclipse addressable devices with the exception of the Walktest programming. Walktest is defaulted Disabled. If you check the box to Enable Walktest you can use the slide bar in combination with the arrows (nudge) to set the desired sensitivity for the FAAST detector to generate a TEST ALARM state when the panel is in Walktest mode and the detector is tested with canned smoke or other approved testing methods.



d. FAAST Normal Configuration – States Tab

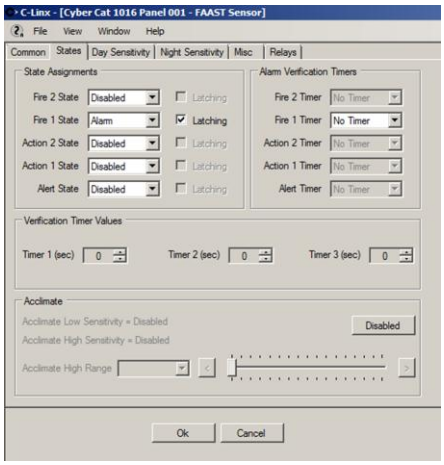
State Assignments - There are five different levels of obscuration that can be set in the FAAST detector (Alert, Action 1, Action 2, Fire1, and Fire 2). Each one of these levels can be mapped intelligently to a CyberCat state (Disabled, Alarm, PreAlarm 2, PreaAlarm 1, Supervisory, and Process). Only the Fire1 state is defaulted to Alarm state and latching. Each of these levels can be programmed to a state or left disabled for reporting to the CyberCat. Each level can also be set for Latching or non-Latching. Each time a new level is reached, the panel will resound the event if it is mapped to a state.

Alarm Verification Timers - Each level can also have one of the Detector timers set in the middle of this same screen (selection of No Timer, Timer 1, 2 or 3)

Verification Timer Values – Each detector can have up to 3 timers total for that detector to use. Allowable times are 0(no timer) – 255 seconds in 1 second increments. Change by using the arrows to the right of the timer value.

Acclimate - Defaulted disabled where the detector is using the discrete levels set in the Sensitivity menu's. If the Disabled button is clicked, it changes to Enabled and the Acclimate Low Sensitivity is automatically selected by choosing the MOST sensitive (smallest number) level in the Day and Night tabs. Acclimate High cannot be less sensitive than the Low value. Acclimate settings can be adjusted using the Range drop down menu with 4 different selection settings of each which can be nudged further to the range noted to the right in parenthesis using the arrows or slider:

Range 1-H = 0.02523%/ft. (0.00046 – 0.04980 %/ft.)
Range 2-M = 0.07501%/ft. (0.05000 – 0.09982 %/ft.)
Range 3-M = 0.55000%/ft. (0.1000 – 0.99645 %/ft.)
Range 4-L = 2.5%/ft. (1.00000 – 3.98818 %/ft.)



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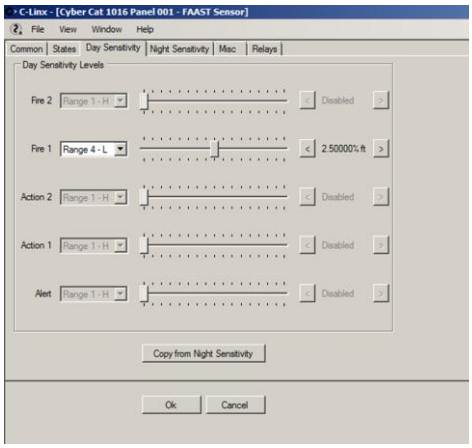
e. FAAST Normal Configuration – Day and Night Sensitivity Tabs

If a state is programmed and the Acclimate is Disabled in the State Tab, each of the 5 sensitivity set point levels can be adjusted to a discrete obscuration set point. Selections for each level are made using the pull down menu to the right of the level to select a 'general' sensitivity then use the slider or arrows to nudge the number to a final set point:

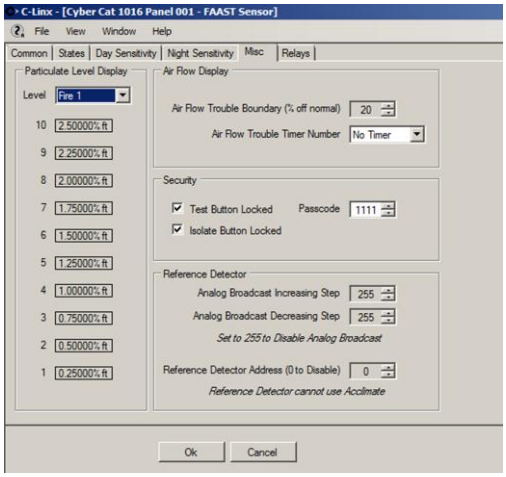
Range 1-H = 0.02523%/ft. (0.00046 – 0.04980 %/ft.)
Range 2-M = 0.07501%/ft. (0.05000 – 0.09982 %/ft.)
Range 3-M = 0.55000%/ft. (0.1000 – 0.99645 %/ft.)
Range 4-L = 2.5%/ft. (1.00000 – 3.98818 %/ft.)

Note: a Level must have a State assigned (States Tab) to be able to set a sensitivity level.



f. FAAST Normal Configuration - Misc Tab

Particulate Level Display – Any Level (Alert – Fire 2) may be chosen. Use the pull-down arrow to select the desired state. The 10 LED's are scaled to 1/10 of the threshold set in the Daytime tab for that level.
Air Flow Delay – Adjust the trouble threshold using arrows (20% default, 1-100% in 10% increments). The Airflow fault can have an associated timer from one of the timers set in the States Tab. This will allow for small spike in airflow to not cause a nuisance trouble. The trouble will be required to be present for the selected amount of time before the airflow trouble is reported
Security – The detector has a Test and Isolate Button and these buttons can be locked out for local use on the detector for security. Uncheck to allow them to be used again. The 4-digit passcode can also be edited from this menu.
Reference Detector – This allows two detectors to be used in conjunction with one another where one detector might be sampling the outside air that is being supplied and its obscurations is cancelled (reference detector) from the air sample of another detector. The reference detector must be wired to the same panel SLC. Select the broadcast obscuration increase step 0-255 (step in obscuration) and decrease step 0-255. When the reference detector status changes that amount, it will broadcast the obscuration level to be canceled from this detector. Identify which detector is the Reference detector to cancel obscurations/reference out.



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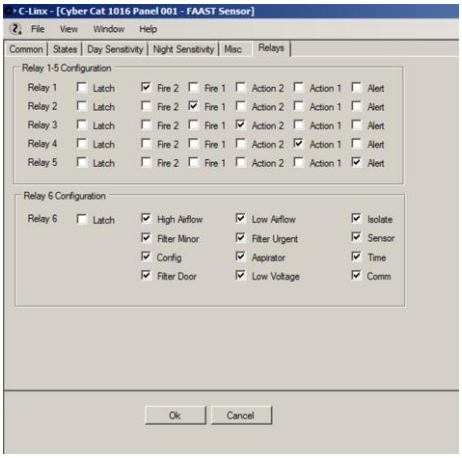
g. FAAST Normal Configuration - Relays Tab

Relays 1-6 Configuration – Use the check-boxes to select the relay function of Latching (requires RESET to clear the relay activation) or Non-Latching if not checked. Select the desired level(s) for each relay functionality desired.

Relay 6 Configurations – A fault relay is normally energized and must be used. It can be selected for Latching (requires RESET to clear the fault relay activation) or Non-Latching operation if not checked. Select any or all of the possible FAAST detector Faults.



h. FAAST Diagnostics

The FAAST Diagnostics can be used to view the FAAST detector current status. This menu is accessed via Panel Explorer and you must login (different than other Diagnostics access that require just a panel found). Select the desired FAAST detector address using the pull-down arrow.

Analog Values – Displays the last retrieved status values for the values shown.

Troubles – If there is a fault related to the value shown its' box will be colored

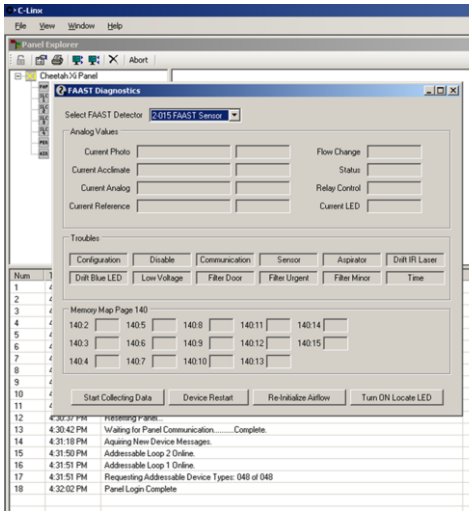
Memory Map Page 140 – For Fike internal use, if needed

Start Collecting Data – If Fike or System Sensor Tech support requires data, it can be retrieved using this selection. Once pressed, it will retrieve a set of data and display the results.

Device Restart – similar to Reset detector, no configuration changes are made.

Re-Initialize Airflow – The FAAST detector will initialize the airflow upon power-up. If the detector piping was not installed or the piping changed after first power-up, you will need to press this button to re-initialize the detector airflow and obtain flow fault settings.

Turn ON Locate LED – The light LED function in Assign Device Address Diagnostic does not work on the Eclipse detector, so this button provides the similar function to light the LED labeled N/Aon the detector and determine which detector address is which.



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