Edwards Signaling™ Applications Bulletin

AEBN: 010509

Date: 01/05/2009

Subject: E-FSA Panel & Strobe Synchronization

The NACs (signal circuits) on the E-FSA panels can be configured for several different output types. The default setting is Continuous – Silenceable, meaning there will be a steady output voltage, and you can turn off the signals using Signal Silence. If you are using Edwards' Genesis series strobe devices (EG1*, EGC*), however, you should change the output type to one of the 3 different Genesis modes. This will allow for strobe synchronization so that all strobe devices will flash at the same time. You can choose between Non-Silenceable (neither horn nor strobe will turn off); Audible Silence (horn will turn off but strobe will continue to flash); or Audible/Visible Silence (both horn and strobe will turn off when Signal Silence is pressed).

The following will explain the steps required for programming the signal circuits in the panel as well as any E-NAC modules…

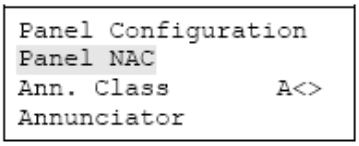
Front Panel Buttons

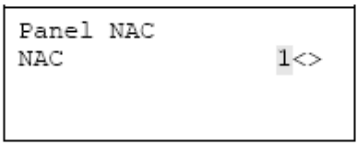
Menu | Up/Down | Left/Right | Enter | Cancel/Return

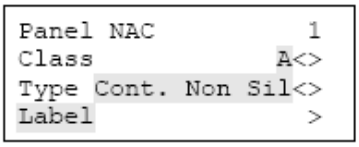
Alphanumeric Keypad

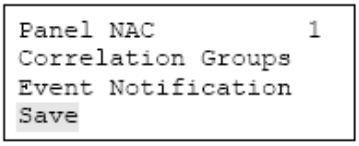
Programming the panel's on board NACs:

1. Press the Menu key on panel's keypad then arrow down to **Program** and press Enter.
2. Next, arrow down to **Advance Program,** press Enter, then enter your password.
3. Arrow down to **Panel Configuration** and press Enter.
4. Choose **Panel NAC** and enter the NAC number.
5. Arrow down to **Type**, then right or left arrow to scroll through the different types until you get to the Genesis type you want, then press Enter. (The highlighted selection shown to the right is for non-Genesis type devices. Genesis device types will begin with Gen.)
6. Select **Save**.
7. The screen will return to Panel NAC. Enter next NAC number and repeat steps 4 through 6.
8. When finished, press the menu button to exit programming.









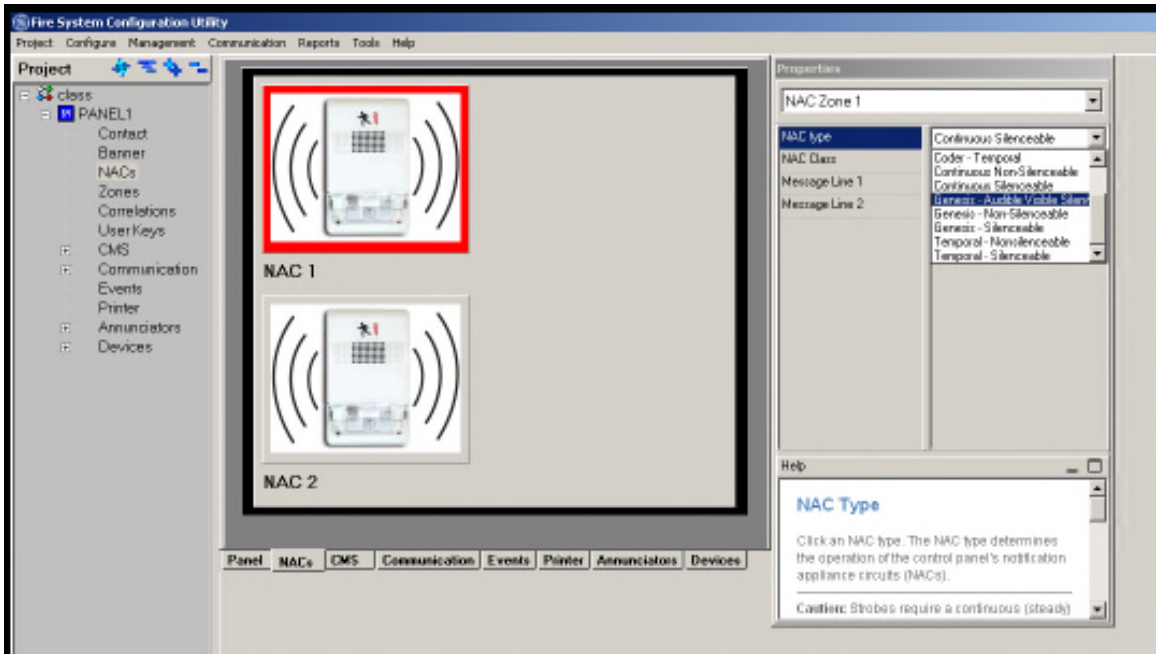
Programming E-NAC modules connected to addressable loop:

1. Press the menu key then select **Program**.
2. Next select **Advance Program** and enter your password.
3. Choose **Loop Configuration.**
4. Arrow down to **Device** and press Enter.
5. If your panel has 2 loops, the next screen will ask for the loop number the module is connected to. Enter the number if prompted.
6. Enter the address of the E-NAC module, then press the Enter key
7. Arrow down to **Type**, then right or left arrow to scroll through the different types until you get to the Genesis type you want.
8. Press Enter, then select **Save.**
9. If more devices need changing, repeat steps 5 through 8. After last device, press the menu key to exit programming.

If programming the panel using the FSA-CU program, follow these steps:

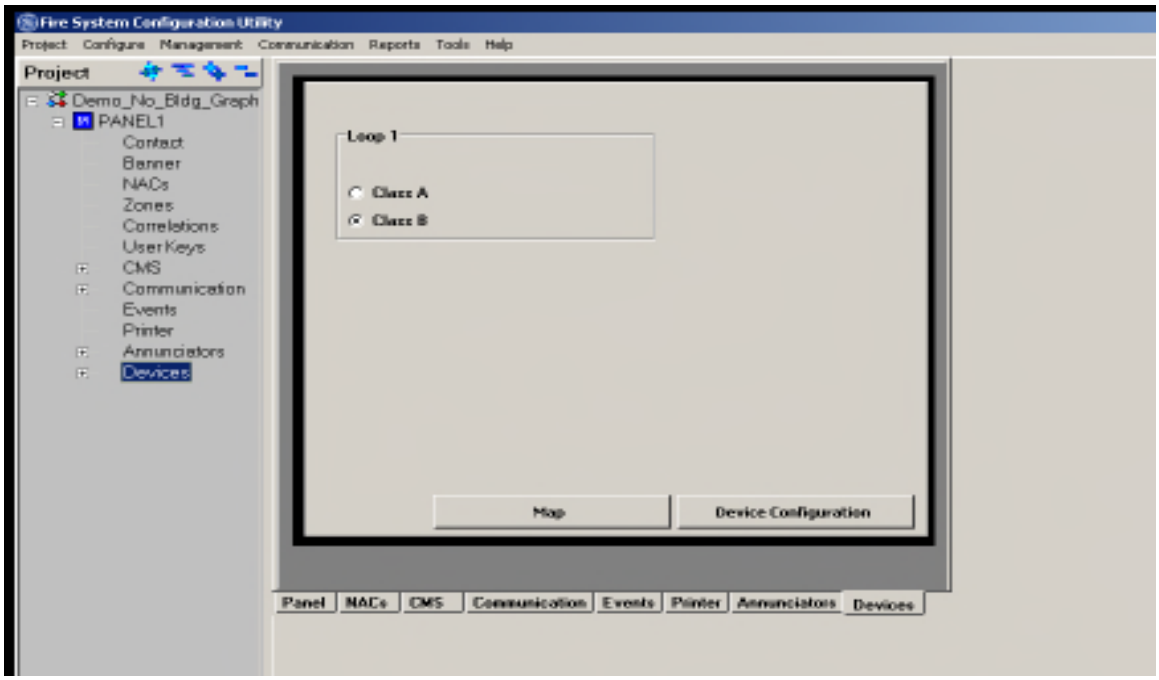
Programming the panel's on board NACs:

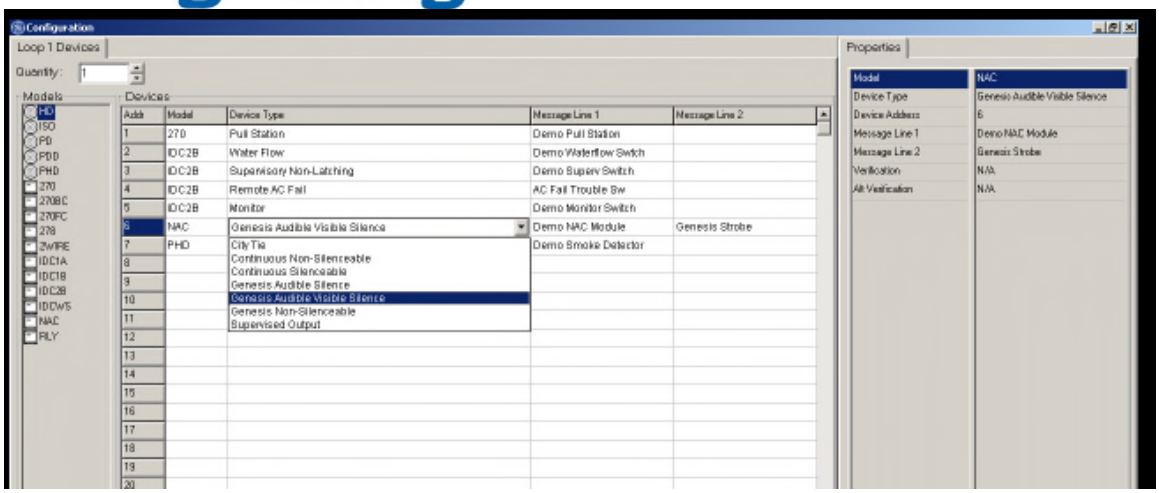
1. From the main screen, click on the **NACs** tab.
2. Click on the NAC( ) picture and a Properties box will appear to the right.
3. Click in the **NAC Type** window, a drop down box will show the different choices. Click on the Genesis type you want.
4. Repeat steps 2 and 3 for each NAC (there will be two NACs on the E-FSA64, four on the E-FSA250).
5. Download to panel when finished making changes.



Programming the E-NAC modules connected to addressable loop:

1. From the main screen, click on the **Devices** tab, then **Device Configuration.**
2. On the **Configuration** screen, click in the **Device Type** box of the E-NAC module you want to change. A drop down box will show the different choices. Click on the Genesis type you want.
3. Repeat for each E-NAC module on the loop (and 2nd loop if a two loop panel).
4. Download to panel when finished making changes.




Configuration
Loop 1 Devices
Quantity:
Models
HD
ISO
PD
PDD
PHD
270
270BC
270FC
278
2WIRE
IDC1A
IDC1B
IDC2B
IDCWS
NAC
RLY
Devices
Addr
Model
Device Type
Message Line 1
Message Line 2
1 270 Pull Station Demo Pull Station
2 IDC2B Water Flow Demo Waterflow Switch
3 IDC2B Supervisory Non-Latching Demo Superv Switch
4 IDC2B Remote AC Fail AC Fail Trouble Sw
5 IDC2B Monitor Demo Monitor Switch
6 NAC Genesis Audible Visible Silence Demo NAC Module Genesis Strobe
7 PHD Demo Smoke Detector
City Tie
Continuous Non-Silenceable
Continuous Silenceable
Genesis Audible Silence
Genesis Audible Visible Silence
Genesis Non-Silenceable
Supervised Output
Properties
Model NAC
Device Type Genesis Audible Visible Silence
Device Address 6
Message Line 1 Demo NAC Module
Message Line 2 Genesis Strobe
Verification N/A
Alt Verification N/A