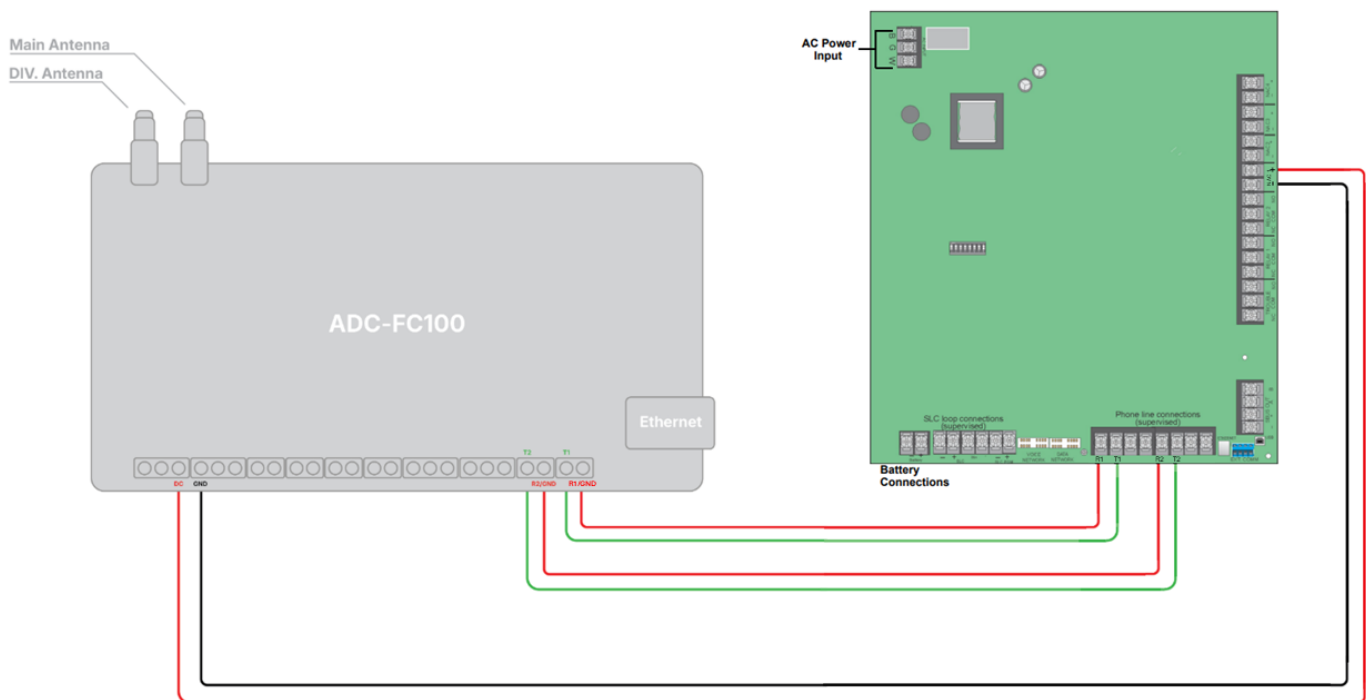


Alarm.com Fire Communicator Setup Guide - Honeywell Silent Knight (6700/6808/6820)

The Alarm.com Fire Communicator (ADC-FC100) can be connected to a Honeywell Silent Knight, such as the 6700, 6808, or 6820.

Wiring

The following diagram provides a reference for the wiring procedure.



Connections from FC100 to the Honeywell Silent Knight panel.

ADC-FC100

DC

Honeywell Silent Knight

Positive NAC Terminal

ADC-FC100

GND

R1

T1

R2

T2

Honeywell Silent Knight

Negative NAC Terminal

Ring 1 TELCO Terminal

Tip 1 TELCO Terminal

Ring 2 TELCO Terminal

Tip 2 TELCO Terminal

Panel settings

Default Installer Code

123456 or 1234

1. Enter Installer Code.

Enter programming mode

Note: To program the Honeywell Silent Knight, it is recommended to connect the Honeywell Fire Software Suite (HFSS) via the USB port.

1. Enter Installer Code.
2. Select 6 for Network Programming Menu.
3. Select 5 for Access Codes.
4. Scroll up for Installer Codes.

To get the computer access code and number

Expand all

General Configuration ^

To configure NAC1 (or NAC 2) for auxiliary power to power the communicator:

1. Connect + and - wires to the NAC1 terminals (next to SBUS terminals).
2. Press **Enter**, then choose Option 7.
3. Choose 4 for Point Menu.
4. Choose M98=Int Power Supply.
5. For P001, press up or down arrows to choose AUX_PWR, then press **Enter**.
6. Choose CONSTANT.

7. Press the back arrow multiple times to exit programming.

To change the reporting format to CID or SIA:

1. Press **Enter**.
2. Select 6 to access Network Programming.
3. Select 6 for Communicator Options Menu.
4. Select 3 for Receiver Configuration.
5. Select the panel to program and then press **Enter**.
6. Use the arrow to select CONTACT ID or SIA for the format.
 - There are 3 SIA options: SIA 500, SIA 8, SIA 20).
 - Currently, we'd recommend SIA 500 if SIA is needed.
7. Enter the phone number.
8. Press the back arrow several times to exit programming.

To set AC delay period:

Important: For UL, it must have a delay of at least one hour.

1. Press **Enter**, then choose Option 7.
2. Enter Installer code, then choose Option 5 for System Options.
3. Choose 2 for Time Options.
4. Press **Enter** until you get to the AC Report Delay.
5. Set to 1 hr.
6. Press the back arrow multiple times to exit programming.

Reporting events over POTS lines[^]

To configure Phone Line 1:

1. Press **Enter**, then choose Option 7.
2. Enter Installer code, then choose Option 5 for System Options.
3. Choose 1 for Communication Options.
4. Select 2 to access the Phone Lines menu.
5. Select Phone Line 1.
6. Select N for Dial Tone Detection Disabled, then press **Enter** 4 times to get to Options.
7. Select U for Rotary Format, then press **Enter**.
8. Select Y for Monitor Line, then press **Enter**.

9. Select Y for Answer Machine bypass, then press **Enter**.
10. Select N for Phone Line Unused.
11. Press the back arrow until you see *Save Changes: YES*, then press **Enter**.
12. Press the back arrow a few more times to exit programming.

To configure Phone Line 2:

1. Press **Enter**, then choose Option 7.
2. Enter the installer code, then choose Option 5 for System Options.
3. Choose 1 for Communication Options.
4. Select 2 to access the Phone Lines menu.
5. Press the up arrow to select Phone Line 2, then press **Enter**.
6. Select N for Dial Tone Detection Disabled, then press **Enter** 3 times to get to Options.
7. Select U for Rotary Format, then press **Enter**.
8. Select Y for Monitor Line, then press **Enter**.
9. Select N for Phone Line Unused.
10. Press the back arrow until you see *Save Changes: YES*, then press **Enter**.
11. Press the back arrow a few more times to exit programming.

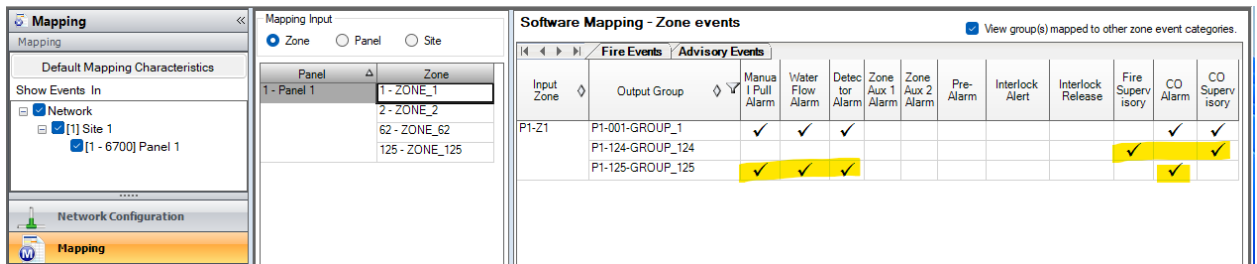
Alternative Setup: Reporting events over relays[^]

Important: Use this configuration only if POTS/Phone line reporting is unavailable.

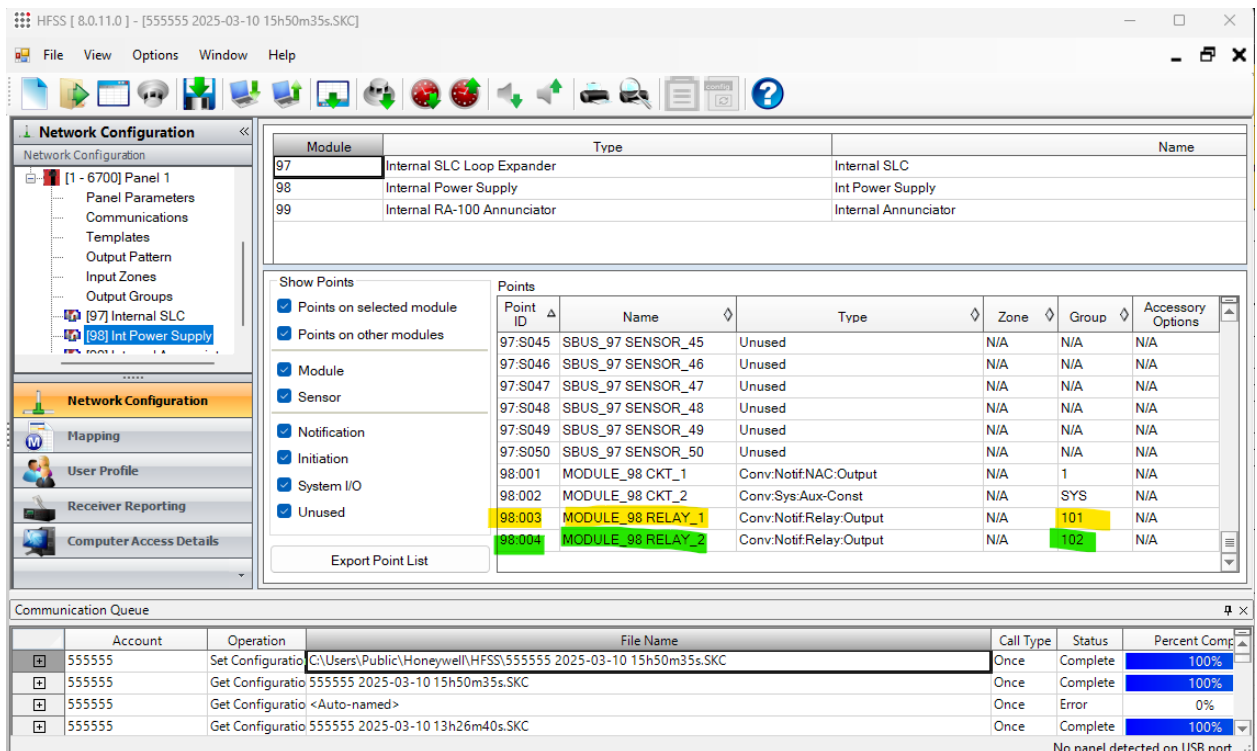
To configure panel relay outputs for alarm/supervisory/trouble reporting using the communicator Inputs instead of the Phone Line:

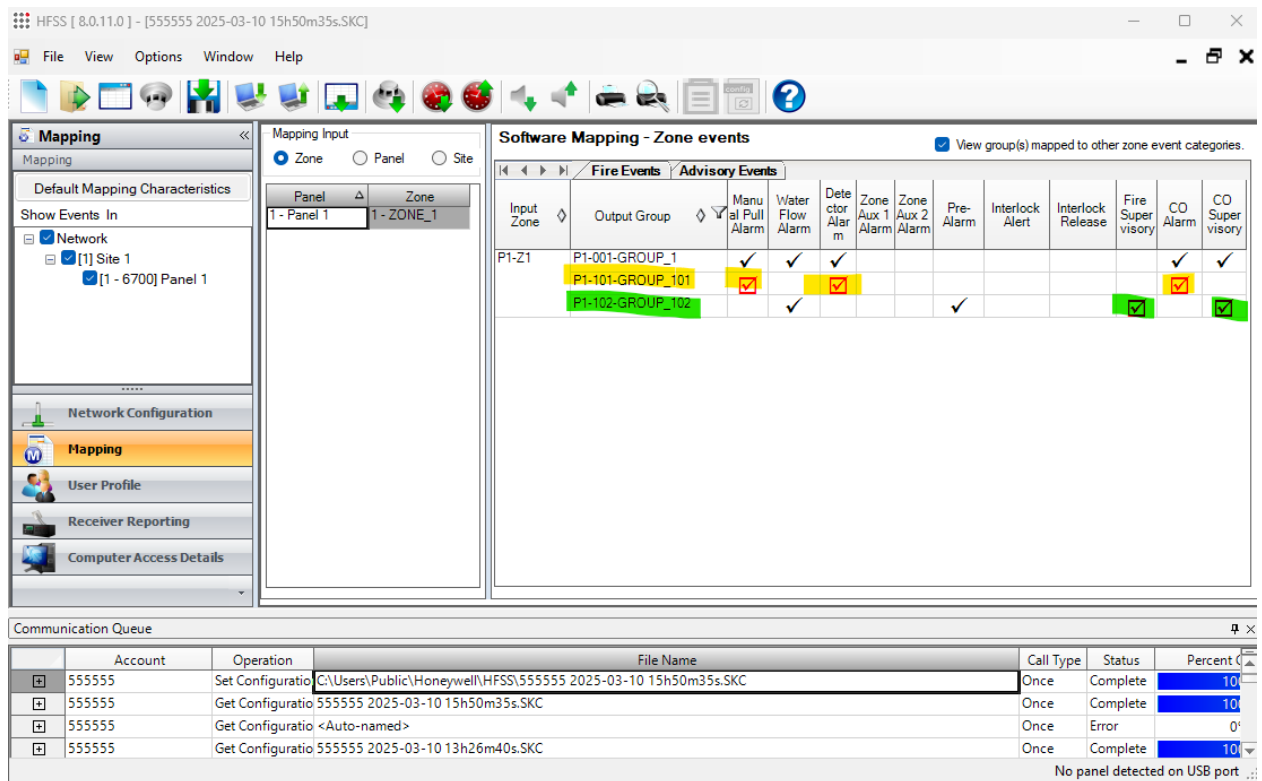
1. JumpStart auto-programming automatically creates Groups 124 and 125 and are activated by Zone 1 events.
 - These groups can be manually programmed to be any number 101-125.
2. Group 124 is activated when a Supervisory is triggered and Group 125 is activated when an Alarm is triggered.
3. Honeywell Fire Software Suite must be used to configure the Groups - download here <https://buildings.honeywell.com/us/en/brands/our-brands/silent-knight/resources/software-firmware>.
4. Connect a USB B to USB A cable from the fire panel to laptop.
5. Open the Software Suite, and click on **Get Configuration**.
6. Click on the *Network Configuration* tab on the left and select Int Power Supply.
7. Scroll to *Point ID 98:00X*.
 - The Point ID corresponds to the Relay number (98:003=Relay 1, 98:004=Relay 2).
8. For the desired Point/Relay, select the corresponding Group number for the type of events that relay should report.
 - For example, if you used the Jumpstart programming settings, group 124 would report supervision events and group 125 would report alarm events.

9. Click on the **Mapping** tab on the left.
10. For Panel 1, Input Zone 1, make sure Group 124 and Group 125 are shown in the Output Groups.
11. For the Jumpstart programming settings, select Enable Supervisory for Group 124 and Alarms for Group 125.
 - In this case
 - Relay 1 is set for group 124. Group 124 is set to report Supervision. So if a supervision event is detected, relay 1 will trigger.
 - Relay 2 is set for Group 125. Group 125 is set to report alarms. So if an alarm is detected, relay 2 will trigger.



12. If these Group number are different on your FACP, just make sure that the Point ID/Relay matches the Group number you are editing.
 - In the following example:
 - Relay 1 (98:003) is set for Group 101. Group 101 was edited to report alarms. So if an alarm is detected, relay 1 will trigger.
 - Relay 2 (98:004) is set for Group 102. Group 102 was edited to report supervisions. So if a supervision event is detected, relay 2 will trigger.





13. Save, then click **Set Configuration**.

FC100 configuration and wiring to the fire panel using relay outputs

This wiring is for the Jumpstart settings. If you changed the group number or edited the Mapping for which events are sent for the relay, you will need to change the wiring according to your config.

1. Relay 1:
 - a. At the fire panel Relay 1 terminal, wire red to NO and black to C. Put a 2.2k resistor between NO and C.
 - b. At the communicator, wire red to I/O 3 and black to GND.
2. Relay 2:
 - a. At the fire panel Relay 2 terminal (all the way to the left), wire red to NO and black to C. Put a 2.2k resistor between NO and C.
 - b. At the communicator, wire red to I/O 2 and black to GND.
3. Trouble Relay:
 - a. At the fire panel Trouble terminal, wire red to NO and black to C. Put a 2.2k resistor between NO and C.
 - b. At the communicator, wire red to I/O 1 and black to GND.
4. With this setup, a supervisory event/restore will turn on/off Input 2, alarm event/restore will turn on/off Input 3 and a trouble event/restore will turn on Input 1.