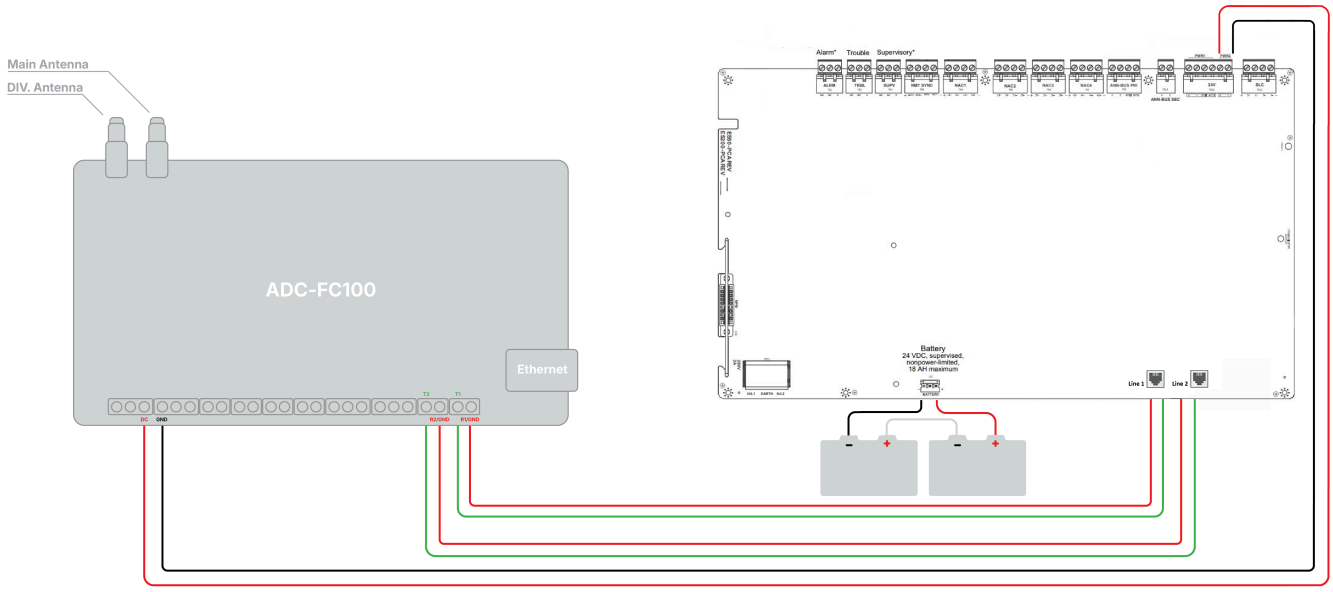
Alarm.com Fire Communicator Setup Guide - Honeywell FireLite panels (ES-50X/ES-200X/ES-1000X)

The Alarm.com Fire Communicator (ADC-FC100) can be connected to a Honeywell FireLite (ES-50X/ES-200X/ES-1000X) panel.

Wiring

The following diagram provides a reference for the wiring procedure.



Connections from FC100 to Honeywell FireLite panel.

ADC-FC100	FireLite panel
DC	Positive PWR2-24V terminal
GND	Negative PWR2-24V terminal
R1 (red) and T1 (green)	Line 1
R2 (black) and T2 (white)	Line 2

Note: If the phone line is connected to an RJ11/RJ12 jack, you will need to isolate the green and red wires (wires 4 and 5). Those are the Ring and Tip wires.

Panel settings

Default code	22222222
Default Master Level password	00000000
Enter programming mode	1. Press **Enter**, then **[2]** for Programming Mode. 2. Enter Master Level password **[00000000]**.

Expand all

General Configuration^

To configure Aux power terminal for powering the communicator:

1. Connect + and - wires to the Pwr2 terminals (next to SLC terminals).
2. Press **Enter**, then 2 for Programming Mode.
3. Enter Master Level password (default is 00000000).
4. Press the down arrow once, then select 2 for System Setup.
5. Scroll down, then select 1 for Aux Power.
6. Choose 2 for Aux2.
7. Make sure Aux2 is set to Resettable = NO.
8. Press **Esc** multiple times to exit programming.

To change Reporting format to CID or SIA:

Note: For panels reporting events over relays, Contact ID (CID) must be used.

1. Press **Enter**, then 2 for Programming Mode.
2. Enter Master Level password (default is 00000000).
3. Press down arrow twice, then select 2 for Communicator.
4. Press the down arrow once, then select 1 for PRI COMM PATH.
5. Select 1 for POTS.
6. Press the down arrow twice and select 1 for COMM FORMAT.
7. Select 1,2 or 3 for CID, SIA8 or SIA20.
    - CID or SIA20 works the best.

8. Press **Esc** multiple 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 2 for Programming Mode.
2. Enter Master Level password (default is 00000000).
3. Press the down arrow once, then select 2 for System Setup.
4. In the system setup menu, press the down arrow once, then select 1 for Timers.
5. Scroll down and select 1 for AC Loss Delay.
6. Select 2 for Enter Delay.
7. Enter 01 for 1 hour delay.
8. Press **Esc** multiple times to exit programming.

Reporting events over POTS lines^

To configure Phone Line 1 and 2:

1. Press **Enter**, then 2 for Programming Mode.
2. Enter Master Level password (default is 00000000).
3. Press down arrow twice, then select 2 for Communicator.
4. Press **1** for Installed. Ensure YES is shown.
5. Select 2 for POTS settings.
6. Select 1 for Line 1. Make sure the following settings are shown:
   - ENABLED = YES
   - TYPE = TOUCHTONE
   - SUPERVISED = YES
7. Press **Esc**, then select 2 for Line 2. Make sure the following settings are shown:
   - ENABLED = YES
   - TYPE = TOUCHTONE
   - SUPERVISED = YES
8. Press **Esc** multiple times to exit programming.

To enable POTS as Primary Communication path:

1. Press **Enter**, then 2 for Programming Mode.
2. Enter Master Level password (default is 00000000).

3. Press down arrow twice, then select 2 for Communicator.
4. Press the down arrow once, then select 1 for PRI COMM PATH.
5. Select 1 for POTS. Set the following:
    - ENABLED = YES
    - ACCT CODE = (Enter 4 digit account code for CID. Start with 00xxxx. Note: if you enter 123456 for example, the account number will show as 3456. CID event message supports 4 digit acct codes)
6. Press **Esc** to return to POTS menu.
7. Press down arrow once, then select 1 for Phone Number.
8. Enter the phone number. Verify it is the same number as the one entered for the communicator in the Alarm.com Fire Communicator configuration: under Phone Line → DTMF phone numbers → First number → Phone number.
9. Press **Esc** multiple times to exit programming

Optional: Reporting events over relays^

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

1. Relay 1 is factory default programmed as Alarm.
2. Relay 2 is fixed as a Trouble relay and cannot be changed.
3. Relay 3 is factory default programmed as Supervisory.

FC100 configuration and wiring to the fire panel using relay outputs:

This wiring is for the default settings. If you changed the Relay 1 programming, you will need to change the wiring according to your configuration.

1. From the Alarm.com Fire Communicator configuration, set Inputs 1, 2 and 3 to EOL-NO
2. In Description of Events:
    - Set "Input 1 I/O alarm" and "Input 1 I/O restore" for a generic Trouble CID code (e.g. 1-300-00-000 and 3-300-00-000).
    - Set "Input 2 I/O alarm" and "Input 2 I/O restore" for a generic Supervisory CID code (e.g. 1-200-00-000 and 3-200-00-000).
    - Set "Input 3 I/O alarm" and "Input 3 I/O restore" for a generic Alarm CID code (e.g. 1-110-00-000 and 3-110-00-000).
3. Write configuration:
    - Relay 1 ALRM:
        a. At the fire panel Relay 1 ALRM 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.
    - Relay 2 TRBL:
        a. At the fire panel Relay 2 TRBL 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.
- Relay 3 SUPV:
    a. At the fire panel Relay 3 SUPV, 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.
- With this setup, a supervisory event/restore will turn on/off Input 2, an alarm event/restore will turn on/off Input 3, and a trouble event/restore will turn on Input 1.