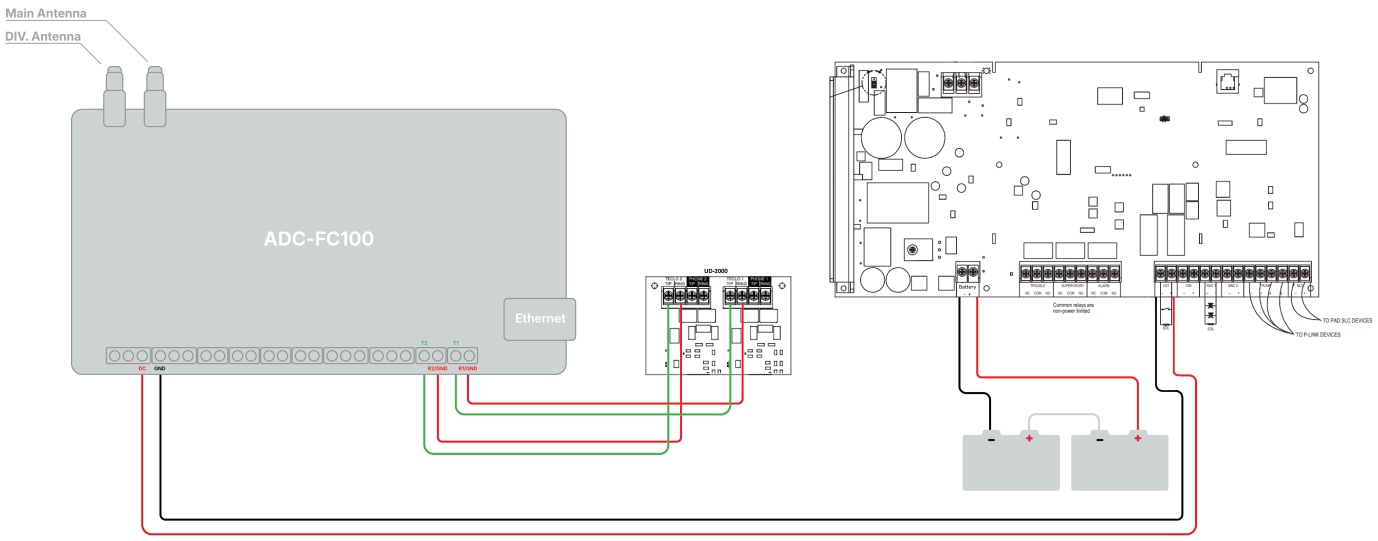
Alarm.com Fire Communicator Setup Guide - Potter (AFC-50/AFC-100/AFC-1000)

The Alarm.com Fire Communicator (ADC-FC100) can be connected to a Potter panel, such as the AFC-50, AFC-100, or AFC-1000.

Wiring

The following diagram provides a reference for the wiring procedure.

Important: Potter panels require the additional UD-2000 Digital Alarm Communicator Transmitter (DACT) to provide a phone-line connection. Refer to the FACP manufacturer's documentation if an installation requires it.



Connections from FC100 to the Potter panel and the UD2000 DACT.

ADC-FC100	Potter UD2000
R1	Ring 1 TELCO Terminal
T1	Tip 1 TELCO Terminal

ADC-FC100	Potter UD2000
R2	Ring 2 TELCO Terminal
T2	Tip 2 TELCO Terminal

ADC-FC100	Potter Panel
DC	I/O 1 +
GND	I/O 1 -

Panel settings

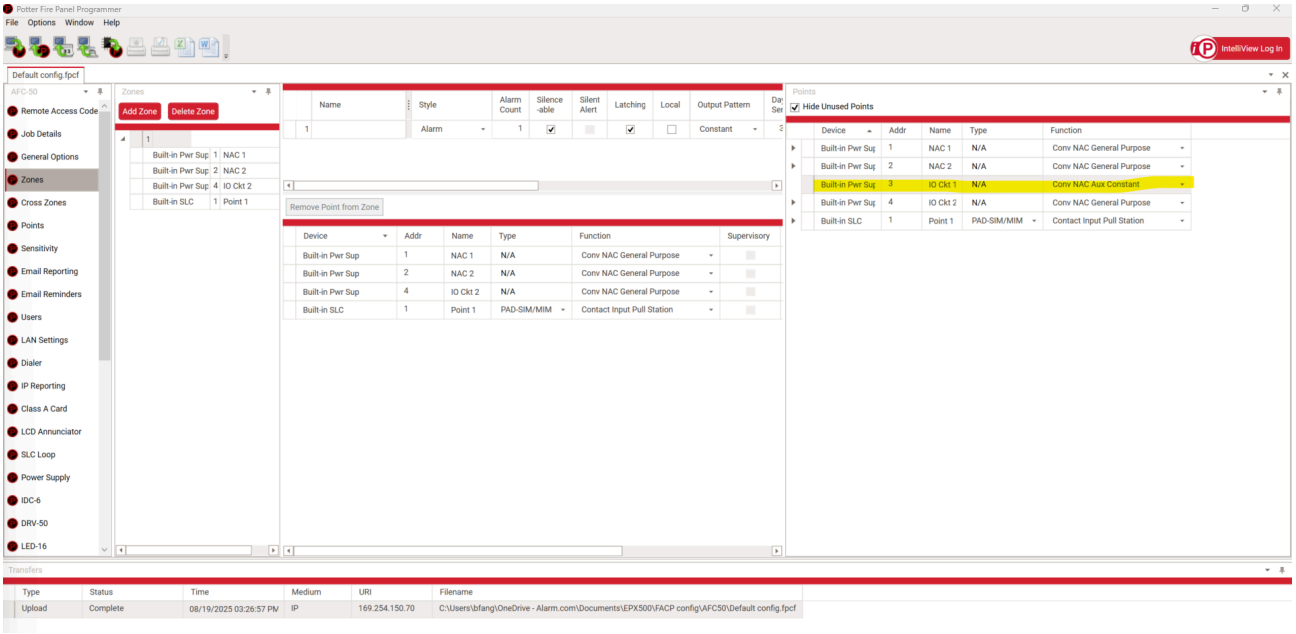
Default Access Code	1111
Panel Programming	To program the fire panel, you must use the Potter software and connect to it via the Ethernet port. https://www.pottersignal.com/fire/panel-programming
Connecting to PC for Panel Programming	1. The default Computer Access User Name and Password is *Potter*. 2. Connect an Ethernet cable from the FACP to your computer. ◦ You will see *Obtaining IP* on the FACP. ◦ Once connected, you will see IP Configured **169.254.150.70.** 3. In the Potter software, select **File** > **New Panel** > Panel model (i.e., **AFC50**) and OK. 4. In the top left of the screen, select **Upload Configuration File from Panel**. 5. Enter the IP seen on the FACP and select **OK**.

Expand all

General Configuration^

To configure the I/O circuit for auxiliary power to power the communicator"

1. Once connected to the FACP with the Potter programming software:
    a. Select the **Zones** tab.
    b. In *Zone 1*, right-click and remove Built-in Pwr Sup, Addr 3, "IO Ckt 1".
    c. In the *Points* table on the right, change the Function of "IO Ckt 1" to "Conv NAC Aux Constant".



    d. In the top left of the screen, select *Download Configuration File to Panel*.
    e. Select **OK**.

To set AC delay period:

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

1. To adjust the AC delay period, perform the following in the Potter programming software:
    a. Connect the FACP with the programming software.
    b. Select the **General Options** tab.
    c. Change the *Low AC Report Delay to 1 hour.*

Note: By default, the Potter panel is set to 1 hour, so this setting may not always need to be adjusted.

Reporting events over POTS lines^

1. Once connected to the FACP with the programming software:
2. Select the **Dialer** tab.
3. Ensure the following are checked for Phone Line 1 and Phone Line 2:

- *Enabled*
- *Enable Line Monitor*

4. Ensure *Reporting Method Priority* is set to **Primary**.
5. Select **Add Account** and check the following:
   - Report Alarms
   - Report Troubles
   - Report Supervisory
   - Primary Report Test Events
6. Enter the Central Monitoring Station account number into the Primary Account ID.
7. Enter **555555** into Primary Phone Number.
8. Select the desired reporting protocol under Primary Format (SIA or CID).

Optional: 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:

1. The default configuration for FC100 Inputs is as follows:
   - Input 1 - Troubles
   - Input 2 - Supervisory
   - Input 3 - Alarms
2. Relay ALARM:
   a. At the fire panel ALARM Relay terminal, wire red to NO and black to COM. Put a 2.2k resistor between NO and C.
   b. At the communicator, connect the red wire to I/O 3 and the black wire to GND.
3. Relay TROUBLE:
   a. At the fire panel TROUBLE Relay terminal, wire red to NO and black to COM. Put a 2.2k resistor between NO and C.
   b. At the communicator, connect the red wire to I/O 1 and the black wire to GND.
4. Relay 3 SUPERVISORY:
   a. At the fire panel SUPERVISORY Relay, wire red to NO and black to C. Put a 2.2k resistor between NO and C.
   b. At the communicator, connect the red wire to I/O 2 and the black wire to GND.
5. With this setup, a supervisory event/restore will turn Input 2 on/off, an alarm event/restore will turn Input 3 on/off, and a trouble event/restore will turn Input 1 on.