PFC-4064
Conventional Fire Alarm Panel

Keypad Programming Guide

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Section 1: Introduction

The PFC-4064 Conventional Fire Panel is a compact, expandable panel designed to monitor all facets of a fire alarm system and communicate the status to a monitoring station. The PFC-4064 panel is a listed and approved microprocessor based conventional fire panel and complies with UL-864, NFPA-70, and NFPA-72**.**

Purpose Of This Manual

This manual is intended to assist in the programming of the PFC-4064 Conventional Fire Panel via its keypad. Refer to this manual to properly program the PFC-4064. It is recommended that the user follows the procedures as outlined in this manual to assist in proper programming and prevent damage to the control panel and associated equipment.

System Overview

The PFC-4064 system is designed for use as a fire control panel for life safety applications.

System Features

- The PFC-4064 has six (6) programmable input circuits, and is expandable to 192 using thirty-one (31) IDC-6 cards, each providing six (6) additional programmable input circuits.
- Four (4) Notification Appliance Circuits (NAC) rated at 3.0A maximum
    - Power Limited
    - Built in Sync
    - Cadence and Temporal Patterns
    - Programmable to activate on a Supervisory condition
- Support for all major strobe synchronization patterns.
    - Gentex®
    - AMSECO®
    - Wheelock®
    - System Sensor®
- Auto Silence and Silence Inhibit.
- Built-in Ethernet port for programming and network connectivity.
- Built-in Email support to communicate system status and event information.
- Customizable Reminder Emails.
- 4,000 event non-volatile history buffer
- 99 Software Zones
- 4 X 20 character LCD display
- Built-in IP Reporting

How To Use This Manual

Refer to this manual before contacting Technical Support. The information in this manual is the key to a successful programming and will assist you in understanding proper system start up, device designation, and other guidelines specific to the PFC-4064 system.

Section 2: Pre-Programming Procedures and Defaults

Before beginning PFC-4064 programming, install the panel following the directions included in the PFC-4064 Installation and Operations Manual (Potter document # 5403638). Failure to properly install and wire the physical panel and any devices/accessories being used in conjunction with it can result in system errors and difficulty in programming, as well as potentially damaging the fire alarm system.

System Defaults: Input Circuit

The PFC-4064 has a total of 6 built-in input circuits available for use. These inputs are for monitoring devices such as smoke detectors, pull stations and waterflow switches. The terminals for input devices (shown below) are located at the top right corner of the control panel's circuit board. Each circuit has a factory default setting that can be used to connect to a specific type of input device for ease of installation and programming.

Input Terminal Default Settings	
Terminal #	Setting Type
1	Waterflow
2	Smoke
3	Pull Station
4	General Fire Alarm
5	General Fire Alarm
6	Non-latching Tamper Supervisory

System Defaults: Output Circuit

The PFC-4064 has a total of 4 built-in output notification appliance circuits (NACs) available for use. These outputs are for notification devices, The output NAC terminals (shown below) are located at the bottom right corner of the control panel's circuit board. Each circuit has a factory default setting that can be used to connect to a specific type of output device for ease of installation and programming.

NAC Output Terminal Default Settings	
Terminal #	Activation Setting Type
1	Waterflow Only
2	Any Alarm
3	Any Alarm
4	Any Alarm

System Defaults: Relay Circuit

The PFC-4064 has a total of 4 built-in relays available for use. The relays (shown below) are located along the central bottom edge of the control panel's circuit board.

Relay Output Terminal Default Settings	
Terminal #	Activation Setting Type
1	Alarm
2	Supervisory
3	Waterflow
4	Trouble

Section 3: Operation

This section provides an overview of the control panel's basic operations, which includes the status LEDs, function pushbuttons, and a Control Panel Menu Tree quick reference sheet.

Control Panel Basic Operation

The control panel is comprised of a four (4) line x 20-character LCD display panel, arrow keys, push button function keys, status LEDS, and the numeric keypad. A description of each component is included in this section; please refer to the figure shown below.

Figure 1. PFC-4064 Control Panel Display
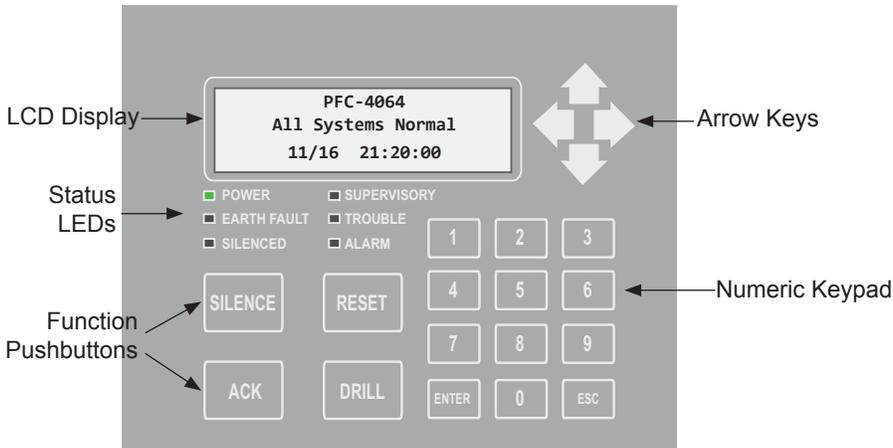
> **Note**: Authorized system operators must use a key to open the outer door of the cabinet.

LCD Display

The LCD panel displays the standard *Start-up menu* as shown below. The LCD displays up to eighty (80) characters of information displays, providing important feedback to system users, *i.e., system messages, status information, trouble conditions, or input changes*. The LCD also provides access to the Main Menu for daily system operations and specific programming functions.

Figure 2. LCD Start-Up Screen
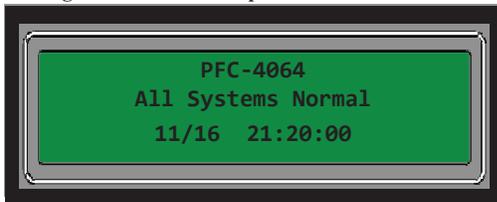
> **Note**: You may customize the Start-up screen to display a specific job site name or other relevant descriptive text by selecting 'Panel Name' in the System Setup submenu.

4
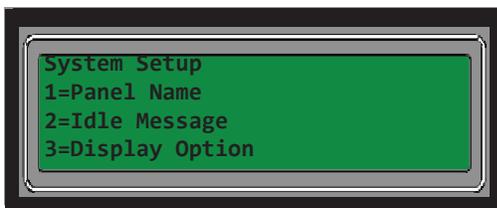
Menu Navigation Keys

The **arrow keys** allow you to scroll or move through the control panel menus. The **Enter** and **Esc** keys may also be used to navigate through menus; they are located on the numeric keypad. The table shown below provides a summary of the navigation keys.

Table 1: Menu Navigation Keys	
Push button	**Description**
⬆️⬇️	Moves/scrolls up or down through menus, select numbers and letters where appropriate.
▷◁	Scrolls to the left or right to display details, if any, of current menu item, select numbers and letters where appropriate. **Note:** When the LCD panel displays a LEFT and/or RIGHT arrow, this indicates more information may be viewed.
ENTER	Displays the Main Menu or selects the current menu option. **Note:** The blinking "➔" indicates the current menu option.
ESC	Returns to previous menu or backs up to previous screen.

Numeric Keypad

The numeric keypad allows you to enter user codes when required to access restricted functions. Alternatively, the numbers may be used to quickly select menu options vs. using the arrow and Enter keys to select a function.

Figure 3. Control Panel Numeric Keypad

Function Pushbuttons

The four (4) function pushbuttons are used when system alarm / trouble conditions occur or to perform a fire drill. Refer to the table below for a brief summary of the pushbuttons:

Table 2: Control Panel Pushbuttons	
Pushbutton	**Description**
ACK	Press to *acknowledge* the currently displayed condition.
SILENCE	Press to *silence* all outputs programmed as *silenceable* and buzzer.
RESET	Press to *reset* panel to *normal condition*.
DRILL	Press to begin a fire drill.

Section 4: Programming Options

The control panel is configured using the built in keypad. The panel stores the site specific configuration data in non-volatile memory.

NOTICE TO USERS, INSTALLERS, AUTHORITIES HAVING JURISDICTION, AND OTHER INVOLVED PARTIES

This product incorporates field-programmable software. In order for the product to comply with the requirements in the Standard for Control Units and Accessories for Fire Alarm Systems, UL 864, certain programming features or options must be limited to specific values or not used at all as indicated below.

Topic	Feature or Option	Permitted in UL (Y/N)	Possible Settings	Setting(s) Permitted in UL864?	Comment
Misc	Idle LCD Message	Y	Yes/No	All Settings Allowed	
Misc	Display Events	Y	Initial Event Newest Event	Initial Event	Auto display of first event
Misc	SLC Blink	Y	Normal/Slow/Off	All Settings Allowed	
Misc	Alarm Verification Time	Y	0-60 Sec	All Settings Allowed	
Misc	Waterflow Delay	Y	0-255 Sec	All Settings Allowed	
Misc	AC Report Delay	Y	30 Minutes to 30 Hours	1-3 Hours	For UL864 use 1-3 Hr
Misc	DH Low AC Dropout Delay	Y	No delay, 15 Sec, 1 minute, 5 minute	All Settings Allowed	
Misc	Autotest Time	Y	Time of Day	All Settings Allowed	
Misc	Autotest Interval	Y	1-24 Hours	All Settings Allowed	
Misc	Strobes Active When Silenced	Y	Yes/No	All Settings Allowed	
Misc	50 Hz AC	Y	Yes/No	All Settings Allowed	
Misc	CO Tone on Annunciators	Y	Yes/No	All Settings Allowed	
Misc	Low Temp Events Are Supervised	Y	Yes/No	All Settings Allowed	
Misc	Disable 24 hours PZT Resound	Y	Yes/No	No	
Misc	Display AM/PM	Y	AM/PM, 24 Hour	All Settings Allowed	
Misc	Synchronize to Network Time	Y	Yes/No	All Settings Allowed	
Misc	SNTP Server	Y	North-America.Pool.NTP. org	All Settings Allowed	
Misc	Time Zone	Y	24 Time Zone Selections	All Settings Allowed	
Misc	DST Enabled	Y	Yes/No	All Settings Allowed	
Misc	DST Start	Y	Month/Day	All Settings Allowed	
Misc	DST End	Y	Month/Day	All Settings Allowed	

Topic	Feature or Option	Permitted in UL (Y/N)	Possible Settings	Setting(s) Permitted in UL864?	Comment
Zone	Zone Style	Y	Alarm Supervisory PAS Auxiliary Fire Drill Waterflow System Alarm System Supervisory System Trouble CO Alarm CO Supervisory	All Settings Allowed	
Zone	Alarm Count	Y	1-10	All Settings Allowed	
Zone	Silenceable	Y	Yes/No	All Settings Allowed	
Zone	Silence Inhibit	Y	Yes/No	All Settings Allowed	
Zone	Auto Silence	Y	Yes/No	All Settings Allowed	
Zone	Auto Unsilence	Y	Yes/No	All Settings Allowed	
Zone	Restore Delay	Y	0-300 Sec	Full range allowed	
Zone	Latching	Y	Yes/No	All Settings Allowed	
Zone	Local	Y	Yes/No	All Settings Allowed	
Zone	Output Pattern	Y	Constant ANSI Temp 3 March Code Double Time ANSI Temp 4	All Settings Allowed	
IDC-6	Dry Contact Input Functions	Y	Pull Station Water Flow Supervisory Tamper Fire Drill Trouble Monitor Aux Abort Release Follower Reset Silence Fire Alarm Disable Inputs Disable Outputs Disable Inputs and Outputs Lamp Test CO Alarm CO Supervisory HVAC Reset	All Settings Allowed Exception: Disabled functions allowed when used with a keyed switch.	Applies to all dry-contact input devices & circuits

Topic	Feature or Option	Permitted in UL (Y/N)	Possible Settings	Setting(s) Permitted in UL864?	Comment
NACs	Function	Y	General Purpose AMSECO Sync Gentex Sync Gentex Sync with T4 System Sensor Sync Wheelock Sync Constant Output Resettable Output Door Holder Output ANSII Output City Tie Output	All Settings Allowed Except: A Supervisory event cannot trigger a T4 NAC.	Specifies use of NAC circuit(s)
AUX PWR	Function	Y	Constant Output Resettable Output Door Holder Output ANSII Output	All Settings Allowed	
DACT	Daily Test Call	Y	Any time of day	All Settings Allowed	Alternates between line 1 and 2 if line 2 is enabled.
E-Mail	Email Status Reports	N	Alarms, Troubles, Supervisory, Test, History & Status Reports		
IP-Reporting	IP Based Central Station Reporting	Y	Alarm, Supervisory, Trouble & Test Reports	All Settings Allowed	
On-Board Programmable Relays	Function	Y	Alarm, Supervisory, Trouble, Low AC & Waterflow	All Settings Allowed	Specifies use of programmable relays 1-4

Section 5: Manual Programming Overview

The panel can be programmed using either the keypad or Potter's panel programming software.

The Programming Cycle

The following is the recommended approach to program the FACP via the panel's keypad. Active selections are indicated in Italics in this manual, while the panel will indicate an active selection with a small flashing arrow on the screen where the "=" symbol is. The "Enter" button is used to access a menu and save any changes.

System Setup: Software Zone Attributes

To begin setting up zones and points on the PFC-4064 system, press "Enter" on the keypad to bring up the Main Menu. Scroll down to Programming using the arrow keys, or press "6". NOTE: Full menu trees are shown in Section 5

```
Main Menu
4=Walk Test
5=System Tools
6=Programming
```

You will be prompted to enter an access code. **The default code is 1111**, which can be changed under "8 = User Codes" in the System Setup submenu at a later date for security purposes. When the code is entered, the PFC 4064 will automatically take you to the Programming sub menu shown below.

```
Programming
1=System Setup
2=Learn Menu
3=Panel Default
```

Once inside the programming options, select "System Setup", then press "Enter" to bring up the System Setup sub menu shown below, then select "Zones". This is where software zones are configured. In latter steps, input circuits and output circuits (NACs) are assigned to these software zones. The attributes assigned to these zones will influence how the circuits operate. Options include; Alarm or Supervisory zone styles ,silenceable or non-silenceable signaling devices, latching or non latching, etc.

```
System Setup
1=Zones
2=Points
3=Assign Zones
```

Once inside the Zones sub menu, you can edit each zone's (in order) style, name, count, latching, local zone, output pattern, auto silence/unsilence, silence inhibit time, restore delay, relay activate delay. A full name of the selected field will alternate between itself and "Press ENTER to edit" at the bottom of the screen. Use the right arrow button to access all the available options.

```
# Name   Style   Count
1 Zone   Alarm   1
2 Zone   Alarm   2
   Press ENTER to edit
```

```
# Silnc Latch   Local
1 No     No      n/a
2 No     No      n/a
   Press ENTER to edit
```
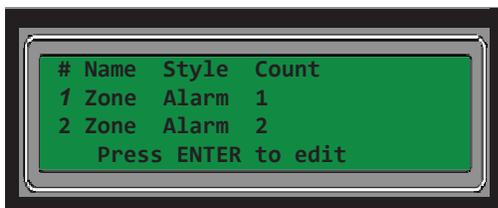
To edit/rename an entry, select the field you would like to change using the arrow keys. Press "Enter" to open the field, which should display (example shown below) with the first character blinking. Once the field is available, scroll through the available characters to find the letter, number, or special character desired using the Up/Down arrow keys. Move to the next character space using the left/right arrow keys. When finished, press "Enter" to save changes.

```
Zone Name
Zone 1
```

Note: When selecting the order the zones are listed in, the screen will allow you to change the number through either the up/down arrow keys or by manually typing in the order number preferred. All single digit number selections must use a zero. It is highly recommended that the assigned zone name and number is written down to avoid confusion and programming errors.

```
Select Zone:

Current: 1
Set:     [01]
```

System Setup: Points

Once the software zones are established, the next step is to configure the input circuits and NAC circuits (Points) of the fire alarm system. Points are input or output signal devices, with the functions and description of both being set here. The on-board output NAC & Aux Power circuits will be found under Built-In Power Supply while the on-board input zones are located under Built-In IDC6

It is recommended to do this immediately after setting up the Zones.

Within the Programming submenu, select System Setup, then select Points.

```
System Setup
1=Zones
2=Points
3=Assign Zones
```
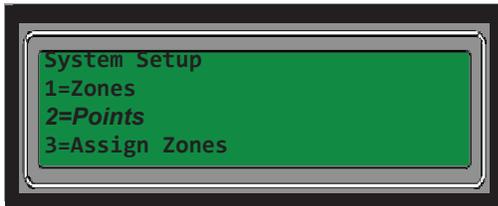
You will then have a choice between setting up points for the Built-in Power Supply (used for NAC output devices such as horns, strobes, door holders, etc) or the Built-in IDC6 (used for input devices such as smoke detectors, pull stations, flowswitches, etc.). Use the right arrow button to access all the available options.

```
Select:
 Built-in PWR Sup
  Built-in IDC6
```

```
# Name  Funct  Suprv
1 Conv  Smoke  1
2 Conv  Smoke  2
   Press ENTER to edit
```

```
# Suprv AlVer  EOL
1 No    No    n/a
2 No    No    n/a
   Press ENTER to edit
```
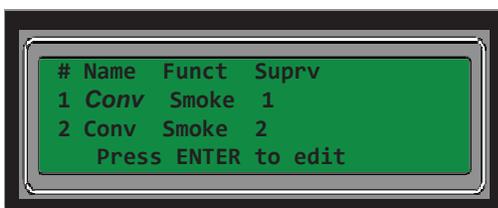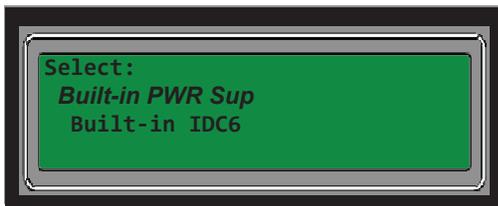
To edit/rename an entry, select the field you would like to change using the arrow keys as done when setting up the software zones. Press "Enter" to open the field. Once the field is available, scroll through the available characters to find the letter, number, or special character desired using the Up/Down arrow keys. Move to the next character space using the left/right arrow keys. When finished, press "Enter" to save changes before pressing "ESC".

```
Zone Name
NAC 1
```

When selecting the order the points are listed in, the screen will allow you to change the number through either the up/down arrow keys or by manually typing in the order number preferred. All single digit number selections must use a zero. It is highly recommended that the assigned point name and number is written down to avoid confusion and programming errors.

```
Select Point:

Current: 1
Set:    [1]
```
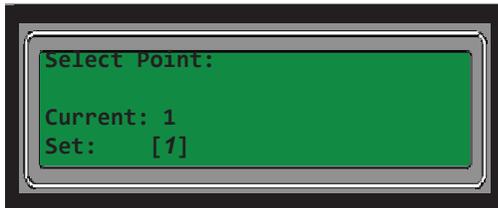
When selecting a Point Function, use the up/down arrow keys to select a function for the notification or signaling circuit.

```
NAC 1
Point Function
Curr: NAC Gen Purp
Set: [City Tie    ]
```
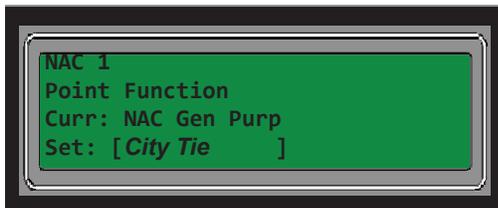
The options for the output (NAC) circuits are:
- City Tie
- Aux Door Holder Low AC (Aux D-Hold-AC)
- Aux Door Holder (Aux D-Hold)
- Aux Resettable
- Aux Constant
- Wheelock Sync
- System Sensor Sync (Sys Sensor)
- Gentex Sync w/T4
- Gentex Sync
- AMSECO Sync
- NAC Gen Purp
- Unused

The options for the input circuits are:
- Smoke
- HVAC Restart
- Supervisory
- CO Alarm
- Lamp Test
- Disable Inputs/Outputs
- Disable Outputs
- Disable Inputs
- Fire Alarm
- Silence
- Reset
- Aux Input
- Trouble Monitor
- Fire Drill
- Tamper
- Waterflow
- Pull Station
- Heat
- Unused

System Setup: Assign Zones

Once the input and output points have been set, they will need to be assigned to an appropriate zone. Zones are where input and output device correlations are established. An Input Circuit will activate an output circuit (NAC) when they are assigned to the same zone. Circuits that initiate an Alarm are assigned to Alarm Style Zones. Circuits that initiate a Supervisory signal must be assigned to a supervisory style zone.

Within the Programming submenu, select System Setup, then select Assign Zones.

```
System Setup
1=Zones
2=Points
3=Assign Zones
```

When inside the Zone Assignment submenu, you'll have the option to add or delete points to the software zones you established earlier.

```
Zone Assignment
1=Add to Zone
2=Del From Zone
ESC=Exit
```

Select "Add to Zone" or "Delete From Zone" to bring up the selection screen. The options are through the Power Supply and IDC6, which contain the respective points you programmed into each earlier.

```
Select:
  Built-in PWR Sup
  Built-in IDC6
```

Scroll through the available points previously assigned by using the up/down arrow keys. Select the point being assigned or deleted by pressing "Enter".

```
Select:
  NAC 1
  NAC 2
  NAC 3
```

You will see one of the following two screens displayed as shown below depending on whether the point is being added or deleted. Use the up/down arrow keys to scroll through the available choices, then press "Enter" when the zone number desired has been reached and highlighted by the flashing arrow. You will receive a message on the screen stating "Point has been added /deleted" if done correctly.

```
Select Zones:
  Zone 1
  Zone 2
  Zone 3
```

```
Del from Zone [001]
```

Note: If a point has already been assigned to the zone selected, you will receive a message stating so.

```
Point is already assigned
to this zone.
```
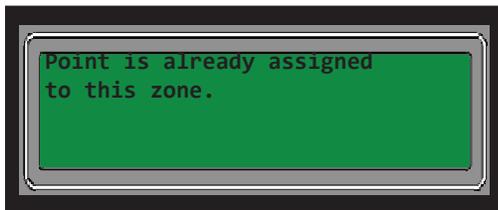
System Setup: Program Relays

The relays are configured to activate on a specific panel condition (Alarm, Trouble, Supervisory and Waterflow). The relay default settings are detailed in Section 2.

To change the defaults, go to the Programming submenu, enter the four digit access code when prompted, then go to the System Setup submenu, and select "Program Relays".

```
Main Menu
4=Walk Test
5=System Tools
6=Programming
```

```
Programming
1=System Setup
2=Learn Menu
3=Panel Default
```

```
System Setup
3=Assign Zones
4=Program Relays
5=P-Link Devices
```
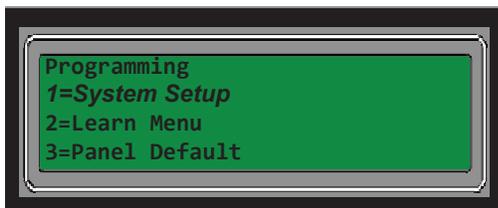
Once inside the Program Relays submenu, select the relay being changed from the four options available.

```
Select. Prog. Relay
1=Prog. Relay 1
2=Prog. Relay 2
3=Prog. Relay 3
```

The screen will show the currently selected relay's function. To change the function, use the up/down arrow keys. Press "Enter" to select and save the new function.

```
Relay Function

Curr: Alarm
Set: [Waterflow   ]
```
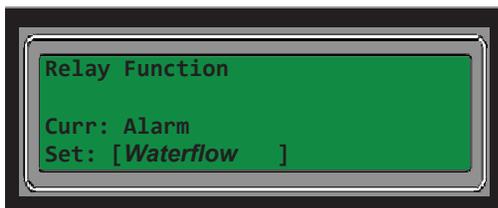
LEARN Programming

The *LEARN* function is available through the control panel, and is an efficient way to add the UD-1000 DACT and other accessory cards wired to the P-Link circuit. *LEARN* detects all connected devices, assigns a name and selects the applicable device type

To run the LEARN mode:

1. From the control panel, press the **Enter button** to display the Main Menu.
    *   Press **6** to select **Programming.** The *"Enter Code" prompt* displays.

```
Main Menu
4=Walk Test
5=System Tools
6=Programming
```

*   Enter the user code when prompted. **Factory default code is 1111.**
*   Press **2** to select **LEARN**. Press **1** to select **LEARN ALL**. *System begins searching for devices.*

```
Programming
1=System Setup
2=Learn Menu
3=Panel Default
```

```
Programming
1=Learn All
2=EOL Learn
3=PSN Learn
```
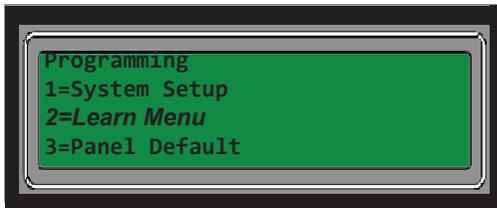
2. Results are grouped by **device type**. If no changes are detected, the prompt *"No changes"* displays.
    *   Use do**wn arrow** to scroll through results by device type: It is recommended that the assigned number of each point is written down at this time.

```
Programming
1=P-Link Found
2=P-Link Removed
3=Pts Found
```

```
Programming
4=Pts Removed
5=Pts Changed
Esc=Exit
```

Note: The abbreviation "Pts" refers to addressable input and output points.

*   Select **Esc** when finished reviewing results. The system prompts to save or discard file.

3. Press **1** to **Accept** changes; press **2** to **Cancel** changes.
    *   When user presses '1' to accept changes, user will need to press the ESC button to back out to the main menu. The panel will prompt the user to press Enter to accept the changes or ESC to cancel
    *   The PFC-4064 will either restart to save the changes or exit back to the programming submenu depending on the selection.

Section 6: DACT Programming

The PFC-4064 uses a Potter UD-1000 Digital Alarm Communicator Transmitter (DACT) which allows for communication with a monitoring station.

The Programming Cycle

The following is the recommended approach to program the UD-1000 via the panel's keypad. Before beginning programming, ensure the card and phone cords have been properly installed following the directions listed in the UD-1000 Installation Manual (Potter document # 5406079) and the LEARN programming has been run.

To change the defaults, go to the Programming submenu, enter the four digit access code when prompted, then go to the System Setup submenu, and select "PLink Devices".

```
Main Menu
4=Walk Test
5=System Tools
6=Programming
```

```
Programming
1=System Setup
2=Learn Menu
3=Panel Default
```

```
System Setup
3=Assign Zones
4=Program Relays
5=P-Link Devices
```

Once in the PLink Devices submenu, select "Edit Device" to begin programming the UD-1000. Scroll down to and select the appropriate "Dialer #" [number (#) will be determined during the LEARN programming] from the list.

```
Plink Devices:
1=Edit Device
2=Add New Device
3=Delete Device
```

```
Select:
 Built-in Keypad
 Built-in IDC6
 Dialer #
```

The UD-1000 Options allow you to edit the name of the dialer if desired, where it reports to and how, and connect to the monitoring station provider.

```
UD-1000 Options
1=Edit Name
2=Line 1 Setup
3=Line 2 Setup
```

```
UD-1000 Options
4=Priority
5=Account Setup
Esc=Exit
```
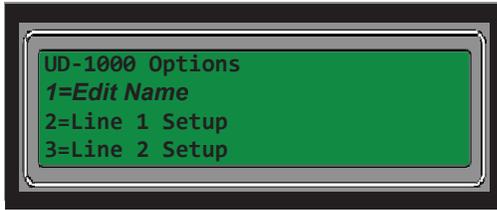
To begin, select Line 1 Setup. The following options are available. The exact same options will be used when setting up Line 2.

```
Phone Line Setup
1=Enable/Disable
2=Ans Machine
3=Line Monitor
```

```
Phone Line Setup
4=DialTone Det
5=No. Of Rings
6=Line Prefix
```
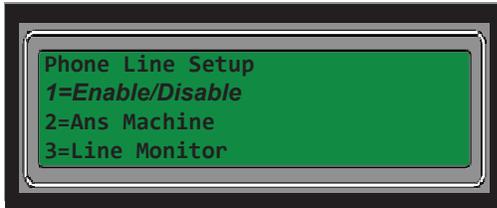
- • **Enable/Disable** activates or deactivates the phone line connection. Options are Yes or No.
- • **Answering Machine** allows for the dialer to bypass any answering machines. Options are Yes or No.
- • **Line Monitor** enables the device to monitor the phone line voltage. Options are Yes or No.
- • **Dialtone Detection** enables the device to monitor the phone line dial tone. Options are Yes or No.
- • **Number Of Rings** determines how many times the phone line rings before the panel picks up. Factory default is 3.
- • **Line Prefix** is used when an extra number is needed for the panel to dial out of the facility or if a pause is needed in dialing.

All changes are saved by pressing "Enter" and using "Esc" to return to the UD-1000 options menu

- • The **Priority** option is used if two different communication paths are being utilized by the panel. If the UD-1000 dialer is the only path being used, it will automatically default to the primary option.

```
Reporting Method
Priority
Curr Val: Primary
Set Val: [Primary]
```
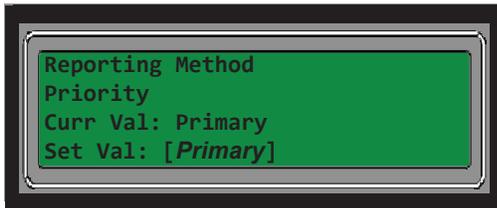
Potter offers five different account options in the event separate primary and secondary receivers need to be reported to. To begin, select Account Setup. The following screen will display. Select the account being updated to bring up the Options screen. Secondary Setup (not displayed) is an available option and is programmed the same way as Primary Setup.

```
Select Account
1=Account 1
2=Account 2
3=Account 3
```

```
Account Options
1=Event Types
2=Rpt by Option
3=Primary Setup
```
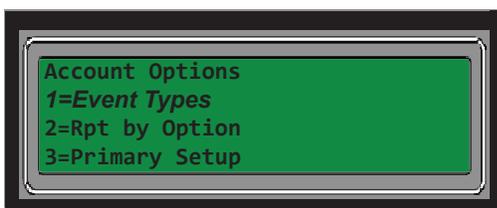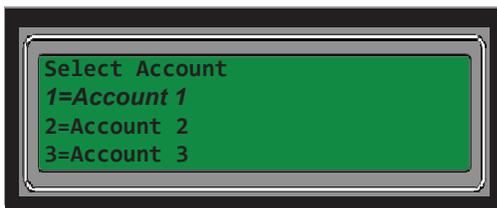
Event Types specifies what events the panel will be reporting over the DACT. By default the panel will not report any Alarms, Supervisory, or Troubles when those occur. The value change screen for the Reporting options will look similar, the options are Yes and No. You can make the change by using the Up and Down arrows.

```
Report Options
1=Report Alarms
2=Report Troubles
3=Report Supervisory
```

```
Report Alarms

Curr Val: No
Set Val: [No ]
```
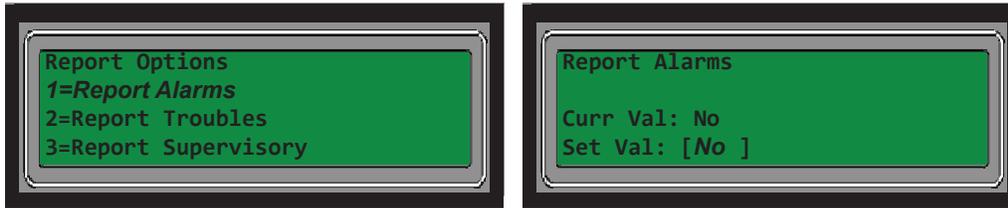
The **Report By Option** lets the user determine when reports to the monitoring station are sent depending on the panel, point or zone creating an active alert. The default reporting option is by Panel, which reports General Alarm, Supervisory, or Trouble.

```
Account
Report by:
Curr: Panel
Set: [Panel]
```

When finished with setting up event types and reporting options, select the Primary Setup option. The following options are available.

```
Account Options
1=Account ID
2=Format
3=Phone Number
```

```
Account Options
4=Report Test
Esc=Exit
```
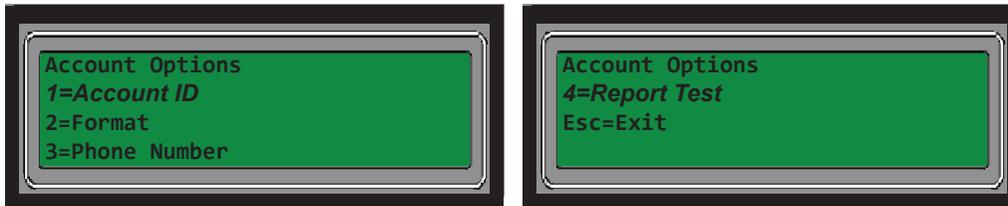
- The **Account ID** option is for entering in the account number given to the user by the monitoring station company. **Note:** Some accounts from monitoring stations will include letters and numbers. The PFC-4064 panel can only enter in numbers.
- **Account Format** allows the user to determine whether report codes sent to the monitoring station are sent via CID or SIA The PFC-4064 reporting format is set to CID by default
- **Phone Number** allows the user to enter in a specific receiver number the panel will contact during an active alert. When programming any secondary and additional accounts, a different phone number must be used in the event the number assigned to the primary account fails **Note:** Not a requirement for all municipalities, check with your local AHJ for requirements before beginning programming.
- **Report Test** allows the panel to conduct a connectivity test every 24 hours. The options are Yes and No.

Select Esc to back out of programming when finished.
- When user presses '1' to accept changes, user will need to press the ESC button to back out to the main menu. The panel will prompt the user to press Enter to accept the changes or ESC to cancel
- The PFC-4064 will either restart to save the changes or exit back to the programming submenu depending on the selection.

Section 7: Panel Menu Trees

Menu Tree 1

```
        PFC-4064
   All Systems Normal
     11/16  21:20:00
```

Press "Enter"

1=View History	2=Enable/Disable	3=Set Date/Time	4=Walk Test	5=System Tools	6=Programming	7=Data Transfer

1=View History

Allows user to view all events that have occurred during use of the panel (alarms, fire drills, walk tests, etc.)

2=Enable/Disable

1-By Point
2-By Zone
ESC-Exit

Allows user to enable or disable devices either by a single point or zone.

3=Set Date/Time

Allows user to set date and time for the control panel.

4=Walk Test

Start Walk Test?
Yes
No

Allows users and inspectors to initiate any devices at will to verify correct installation and functionality

5=System Tools

1-Point Control
2-Ethernet Tools
3-DACT Test
4-DACT Reset
5-Erase History
6-Lamp Test
7-App Revisions
ESC-Exit

6=Programming

See Menu Tree 2

7=Data Transfer

Select Data
1-Remote Access
2-Email History
3-Email Config
4-Email Test
5-Server Status
ESC-Exit

Allows users to configure remote access to the panel, set up email alerts, and server connection checks.

Menu Tree 2

6=Programming

1-System Setup
2-LEARN Menu
3-Panel Default
4-IP Settings
5-Dflt ID/Pswd
6-Prog ID/Pswd
ESC-Exit

1-System Setup
1-Zones
2-Points
3-Assign Zones
4-Prog. Relays
5-PLink Devices
6-Email Setup
7-IP Reporting
8-User Codes
9-More

2-LEARN Menu
See Menu Tree 3

3-Panel Default
See Menu Tree 3

4-IP Settings
See Menu Tree 3

5-Dflt ID/Pswd
Resets the FACP
Remote Password

6-Prog ID/Pswd
Remote User/
Pswd
1-Username
2-Password
ESC-Exit

More
1-AC Report Delay
2-Waterflow Delay
3-Door Hold Delay
4-Alarm Verification
5-Autotest Setup
6-Time Zone
7-DST Setup
8-Job Details
9-More

1-Zones
Software zone attributes are set here. Includes options like Alarm or Supervisory zone styles, silenceable or non-silenceable signaling devices, latching or non latching, etc. Points are assigned to zones in option 3 = Assign Zones

2-Points
Function and description of both input and output circuits are set here.
The on-board NAC & Aux Power circuits will be found under Built-In Power Supply.
The on board input zones are located under Built-In IDC6

3-Assign Zones
Input zones and outputs (NAC) are added or removed from one or more software zones. This is where input output correlations are established.

4-Program Relays
This pertains to the 4 on-board relays. They can each be individually set for Alarm, Trouble, Supervisory, Waterflow

---

More
1-Panel Name
2-Idle Message
3-Display Option
4-Clock Option
5-Strobe Silence
6-CO Tone
7-24 Hour Resound
8-Cross Zones

5-PLink Devices
The panel supports several different types of devices wired to the P-link circuit including the UD-1000 DACT, LCD Annunciators, PSN-1000 Power Supply, CA4064 Class A Module, etc. These devices can be added or removed from the panel configuration here.

6-Email Setup
The PFC-4064 is capable of sending panel status reports, scheduled history reports and responding to email requests for up to 20 different email users / accounts.

See Menu Tree 4

7-IP Reporting
Allows the panel the report to a monitoring station reciever by IP. By default IP reporting is turned off. The submenu in IP Reporting allows you to configure the IP Dialer.

See Menu Tree 5

8-User Codes
The Users option allows you to create up to ten (10) user code profiles, as needed. Each profile may have different access rights, which controls the panel functions a user may access as well as the option to connect to the Facility Management Tool (FMT).

1-AC Report Delay
Sets the AC Report Delay
Default = 1 hr (0 - 30 hr)

2-Waterflow Delay
Sets the Waterflow Delay (If enabled)
Default = 0 sec (0 - 255 sec)

3-Door Holder Delay
Sets the Door holder Delay
Default = 15 sec (0 - 5 min)

4-Alarm Verification
Sets the Alarm Verification time (If enabled)
Default = 60 sec (30 - 60 sec)

5-Autotest Setup
Sets the test timer for both dialers on the panel and reporting frequency
Default Reporting Time= 2:00 AM
Default Reporting Intveral = 24 hr

6-Time Zone
Sets the panel's time zone. Automatically adjusts to current time & date when plugged into network

7-DST Setup
Sets Daylight Standard Time if enabled and when the DST starts and ends.

8-Job Details
Submenu in section allows you to enter site specific information

---

1-Panel Name
Enter a descriptive panel name.

2-Idle Message
Changes the panel description on the panel's LCD (When enabled)

3-Display Option
Choose how the panel displays history events

4-Clock Option
Submenus in this selection allows you to configure the panel's automatic time setup.

5-Strobe Silence
Allows strobes to remain active when panel is silenced (When enabled)

6-CO Tone
Allows CO tone to be annuciated over remote annunciators

7-24 Hour Resound
Panel's buzzer will resound after a 24 hour period if off normal condition is present on the panel.

8-Cross Zones
Allows panel's inputs to be cross zoned together to turn on outputs

Menu Tree 3

```
                              ┌──────────────────┐
                              │  6=Programming   │
                              └──────────────────┘
                                       │
                              ┌──────────────────┐
                              │ 1-System Setup   │
                              │ 2-LEARN Menu     │
                              │ 3-Panel Default  │
                              │ 4-IP Settings    │
                              │ 5-Dflt ID/Pswd   │
                              │ 6-Prog ID/Pswd   │
                              │ ESC-Exit         │
                              └──────────────────┘
```

1-System Setup	2-LEARN Menu	3-Panel Default	4-IP Settings	5-Dflt ID/Pswd	6-Prog ID/Pswd
See Menu Tree 2	**Programming** 1-Learn all 2-EOL Learn 3-PSN Learn ESC-Exit	**Press** 1-Accept 2-Cancel Resets panel to factory default	**Ethernet Options** 1-DCHP Settings 2-Static IP 3-Subnet Mask 4-Default Gtway 5-Alternate IP 6-Alt. Subnet 7-Alt. Gateway ESC-Exit	See Menu Tree 2	See Menu Tree 2

Menu Tree 4

```
        ┌──────────────────┐
        │  6=Programming   │
        └──────────────────┘
                 │
        ┌──────────────────┐
        │ 1=System Setup   │
        └──────────────────┘
                 │
        ┌──────────────────┐
        │ 6-Email Setup    │
        └──────────────────┘
                 │
        ┌──────────────────┐
        │ Email Set Up     │
        │ 1-Email Reports  │
        │ 2-Email Reminder │
        │ 3-Outgoing Addr  │
        └──────────────────┘
```

Email Reports Send Options 1-Time of Day 2-Days of Week 3-Day of Month 4-Select Account	Email Reminders 1-Schedule 2-Attachments 3-Recipients 4-Subject 5-Message Body
Select Account Email Options 1-Email Address 2-Report Options	Recipients 1-Edit Recipients 2-Add Recipient 3-Del Recipient

Menu Tree 5

```
        ┌──────────────────┐
        │  6=Programming   │
        └──────────────────┘
                 │
        ┌──────────────────┐
        │ 1=System Setup   │
        └──────────────────┘
                 │
        ┌──────────────────┐
        │ 7-IP Reporting   │
        └──────────────────┘
                 │
        ┌──────────────────┐
        │ IP Report Options│
        │ 1-Reporting Path │
        │ 2-Priority       │
        │ 3-Account Setup  │
        │ 4-Add Account    │
        │ 5-Del IP Dialer  │
        └──────────────────┘
```

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