Analog fire panels

FPA-1000 Family

en Release Notes

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1 General Notes

1.1 Short description

This document covers two control panel versions: the original FPA-1000-UL Compact Fire Panel and the network release, the FPA-1000-V2 Fire panel, 2 SLC & networking. These FPA-1000 fire panels are advanced analog addressable control panels for small to large facilities in residential, commercial or public building applications.
The FPA-1000 control panels combine complete built-in fire alarm control panel (FACP) equipment such as notification appliance circuits (NACs), signaling line circuits (SLCs), relays, power supply, digital alarm communicator transmitter (DACT) and Ethernet connection with the expandability through the Option bus or plug-in boards. The control panels have two integrated NACs that can be expanded with remote addressable NAC power boosters. These circuits can be programmed with specific activation patterns.
The FPA-1000-V2 control panels can be interconnected for peer-to-peer communication using networking cards. This allows up to eight FPA-1000-V2 control panels to act as a single group in a network in which all interconnected control panels act as one panel.
The standard control panel supports one signaling line circuit (SLC) for up to 254 detectors and modules, or up to 127 analog sounder bases in combination with a suitable detector, for a total of 254 addressable device capacity per SLC. The control panel is easily expandable with the FPE-1000-SLC Plug-in SLC module for FPA-1000 doubling the address points.
On the front of the panel, six light-emitting diodes (LEDs) show fire alarm, gas alarm, power, supervisory, silence and trouble conditions. The built-in keypad can be used for total system control and programming. In addition, a large 4-line by 20-character alphanumeric LCD display shows programmed device point information. Four keys enable acknowledge, reset, silence, and drill functions.
The FPA-1000 control panels enable various programming approaches:

- Front panel programming
- On-site programming, using a laptop
- Off-site programming, with remote access via Ethernet (browser-based) or phone line (PSTN)

1.2 FPA-1000 version naming

Hardware versions
There are two hardware versions, the FPA-1000-UL and the FPA-1000-V2. To determine which panel you have, look at the label on the left side of the keypad.
Software versions
The software version of the FPA-1000 fire panels is displayed on the panel menu and Web page, in the format x.xx (for example: Version 2.02). The version 2.xx software runs on both the FPA-1000-UL and FPA-1000-V2 panels.

Notice!
An FPA-1000-UL panel cannot be used in a peer-to-peer network.

To identify the software version of your panel, use the following shortcut or procedure:
Shortcut:

- Hold down the ACK button until the LED test starts
- Then release the button
- The panel blacks out all pixels to test the display

– Then the display reports the Revision, Panel ID, and IP

Notice!
Please note, if the last two digits in the revision number do not show, use the following procedure to see the entire revision number.

Procedure:
– Press the ENTER key on your panel's keypad
– Press 3-TEST MENU and, if prompted, input a valid PIN code
– Press 7-VIEW SYSTEM INFO
– Press 1-SYSTEM REVISIONS

Record the control panel version (revision #).

1.3 Upgrading to an FPA-1000-V2 panel

What you must do to upgrade your FPA-1000 panel depends on the current hardware and software version of your panel. Identify the current hardware and software versions of your panel, and then follow the relevant option in the following sections.

1.3.1 Upgrading FPA-1000–UL panels with software prior to v1.10

These panels require hardware upgrades before they can operate with v2.xx software. Either of the following upgrades gives you a panel that allows you to network up to eight panels in a single group. Rather than reprogramming the panel, you will probably want to convert your existing configuration file to work with v2.xx software. (Before swapping hardware, see Upgrading a -UL panel to v2.xx software.)
You can either:
– Replace your panel with a new FPA-1000-V2 panel (P/N: F.01U.213.945) which comes with v2.xx software and one new FPE-1000-SLC module. If you are currently using a second SLC module, you will have to order a replacement (P/N: F.01U.073.062).
– Replace the Mainboard in your panel with an FPA-1000-LC panel (P/N: F.01U.214.787), and order new FPE-1000-SLC module(s) (P/N: F.01U.073.062) to replace your current SLC modules.

1.3.2 Upgrading FPA-1000-UL panels with v1.10 through v2.xx software

If you **are not planning to network** the panels, you can upgrade these panels using the procedure in Upgrading a -UL panel to v2.xx software.
If you **are planning to network** the panels, you can either:
– Replace your panel with a new FPA-1000-V2 panel (P/N: F.01U.213.945) which comes with v2.xx software and one new FPE-1000-SLC module. If you are currently using a second SLC module, you will have to order a replacement (P/N: F.01U.073.062).
– Replace the Mainboard in your panel with an FPA-1000-LC panel (P/N: F.01U.214.787), and order new FPE-1000-SLC module(s) (P/N: F.01U.073.062) to replace your current SLC modules.

1.4 Upgrading processes

You can upgrade software using one of the following tools:
– Off-site tool with which you can run simulations and set-up a program on your own computer without being connected to the panel and then load the program to the browser tool for loading to the panel

- Browser tool with which you can set-up a program and then load it to the panel with or without being connected to the panel
- Keypad with which you can enter a program while connected to the panel

1.4.1 Upgrading an FPA-1000-UL panel to v2.xx software

Using the following procedures, you can upgrade to v2.xx software and convert your current configuration file to work with v2.xx software:

Connecting to the panel from your computer

- To connect your laptop directly to your panel, use a cross-over cable or a straight CAT 5 cable with a computer that has an auto-negotiating port
- Follow the procedures for Direct Connection in the *FPA-1000 Installation/Operation Guide*
- To get to the panel's Start Page, follow the procedures for accessing the panel's web server from the web browser on your computer in the *FPA-1000 Installation/Operation Guide*
- When the Start Page displays, in the upper left corner of the page, log in to level 3 by entering the level 3 PIN code to allow programming the panel

Converting your configuration to work with v2.xx software

When you run the converter on your configuration file, the converted file overwrites the existing configuration file. If you want to maintain the existing file, make two copies of the file and store them in in a separate location. Run the converter on one of the copies.

- On the Start Page in the Configuration section, download your current configuration from the FPA-1000-UL panel to your computer
- Using your web browser, browse to the Bosch Security Systems website (www.boschsecurity.com)
- Click on your region and country, then click on the Online Product Catalog
- Under Search on the right-hand side of the screen, enter FPA-1000 and click Start search
- When the search results are displayed, click on the FPA-1000 title to open the product page
- Near the middle of the screen, click the Software tab and click OK to accept the Software License Agreement
- Find the line for Offline Browser with converter to v2.xx and click on the language displayed on the line
- Open the .zip file, go to Extract in the upper tool bar and extract the file to your computer
- Open the extracted file (Offline Tool) and click on the startpage.hta file to open to the Edit Configuration page
- In the middle column, go to Convert Configuration (-UL -> -V2) and browse to the saved configuration file on your computer
- Press Convert selected. The configuration file is converted to a v2.xx configuration file which overwrites the original configuration file

If you are upgrading software on an FPA-1000-UL panel (you have not upgraded hardware to v2.xx already), you need to update the panel to v2.xx software before you upload the converted configuration file. If you have upgraded hardware, it comes with v2.xx software, so you only need to upload the converted configuration file. (See **Uploading the converted configuration file** later in this section.)

Upgrading to v2.xx software

- Follow the procedure for connecting to the panel from your computer. (See **Connecting to the panel from your computer** previously in this section)
- Click Testing in the left-hand column

- When the Testing page opens, click the SW Update tab
- At Choose new panel SW application file, click Browse
- Using your web browser, browse to the Bosch Security Systems website (www.boschsecurity.com)
- Click on your region and country, then click on the Online Product Catalog
- Under Search on the right-hand side of the screen, enter FPA-1000 and click Start search
- When the search results are displayed, click on the FPA-1000 title to open the product page
- Near the bottom of the screen, click on Software and click OK for the Software License Agreement
- Find the line for Panel Software v2.xx and click on the language displayed on the line
- Click Open to display the file contents
- Click on the .bin file
- At Press button, press the Upload SW to panel button. The window will indicate activity (this can take several minutes)
- When the browser window displays upload completed, the red LED on the panel should go out, and a message indicating that a password is needed will appear in the panel's keypad display. You have 3 minutes in which to complete the following two actions: type your password for programming access (level 3) and press the ENTER key to accept the programming change. If the display times out before you accept the change, you will have to upload the software again (repeat this procedure from the point where you browse to the v2.xx software on Bosch's website)
- To verify the new software is installed, click on the System Information tab on the Testing page Version should show v2.xx and the date and time installed. If it does not, repeat the software upload procedure from the point where you browse to the software on Bosch's website

Before doing anything else with the panel, you need to upload the converted configuration file. If you do not have a converted configuration file or a configuration file to convert, you will have to program the panel. For programming instructions, see the *FPA-1000 Installation/Operation Guide*.

Uploading the converted configuration file

- Follow the procedure for connecting to the panel from your computer. (See **Connecting to the panel from your computer** previously in this section)
- On the Start Page in the Configuration section next to Upload configuration (-PC - > -V2), click Browse and find the converted configuration file on your PC. Click on this file
- Click Upload. The converted configuration file that you selected is then copied from your PC to the panel

Proper operation of the panel must be verified after any programming change per NFPA requirements. Perform a full system fire test.

2 Release notes for v2.xx

2.1 Release notes for v2.02.01

2.1.1 New features in v2.02.01

There are no new features in this release at this time.

2.1.2 Issues fixed v2.02.01

Remote Access Programming default: The default for remote access has been disabled and must be configured to allow a remote connection. As part of the newly implemented CCPA (California Consumer Protection Act) any Internet connected device must prevent access from a LAN connection.

2.1.3 Known issues in v2.02.01

Answer unknown trouble: When remote access is enabled, incoming calls (non-modem) result in a trouble message. Currently, a “work around” is to disable remote access.

Only one group allowed: Currently, although up to eight panels can be networked, they must all be in the same group. Prevent access to functions (silence, reset, etc.) by untrained, unauthorized personnel.

Multi-building interconnections: Because any interconnected panel can control all interconnected panels, it is possible to silence or reset an alarm, trouble, or supervisory signal initiated by a panel in one building from another building. Since all interconnected panels are in the same group, this cannot be avoided. Prevent access to functions (silence, reset, etc.) by untrained, unauthorized personnel.

Incorrect temporal pattern: FAA-325-B6S may produce an incorrect temporal pattern for the first cycle.

Duct limitation: A maximum of four FAD-325-R Kit, analog duct housing w/relays & head can be activated per SLC to meet the 10 second time limitation. If more than four FAD-325-R relays are needed, move to the other SLC or install non-relay versions with separate relay modules.

Global Fire Zone: Zones programmed for global fire will activate for both fire and waterflow events.

4-wire Alarm Verification: The Alarm Verification Delay type is not listed for 4-wire detectors connected to an FLM-325-CZM4 module, but can still be programmed. The literature indicates that this is a valid option.

440 detectors walk test: The 440 detectors can remain in walk test mode with their LEDs flashing red if the walk test was not started and stopped with the same login.

Counting zone: Counting Zone does not count properly if the Global Delay Mode is configured as Sandwich/Dual Zone and no floors are enabled for Sandwich or no dual zone dependencies are set.

2.2 Release notes for v2.02

2.2.1 New features in v2.02

FPA-100-V2 panel: meets UL 864, 10th edition requirements

Software versionv2.02:includes the following software updates and supports the new devices

- each transmission path is tested during a PSTN Auto test
- the 12-hour auto test frequency is now 6 hours to support new requirements for DACTs

New devices: Supports the following new Bosch SLC Devices:

- FAD-325-V2F-DH Analog duct smoke head, 2-wire 24V
- FAD-325-V2F Kit, analog duct housing with smoke head
- FAD-325-V2F-R Kit, analog duct housing with relays & head

2.2.2 Issues fixed in v2.02

Audible trouble signal: Improved audible trouble signal when shorting crystal (affects only upgrading the NEC 8-bit MCU software).

Option Bus ground fault issue: Improved earth ground detection on Option bus.
Non-resettable AUX power: If AUX is in trouble, it cannot be reported again after pressing reset.
CID report failure: When used with B465, the CID report failure during re-transmission has been fixed.
Panel reboot issue: When an IP security port scanning process runs on the IT network, it no longer causes the panel to reboot.
Temporal-3 issue: In the first 20 seconds of the System Sensor synchronization protocol the Temporal 3 pattern was incorrect. This has been corrected.
Piezo reactivation issue: In a trouble condition, pressing the Acknowledge or Silence key will silence the panel's piezo with reactivation after 24 hours.
Battery voltage test issue: Improved the manual battery test to provide better measurement for low battery voltage (≤26 V) detection.
PAS report issue: During resetting of PAS, the unnecessary report is no longer produced.
Incorrect configuration file: Downloading the configuration file via the Firefox browser now provides a correct file.
Networking events synchronization issue: Fix networking events synchronization issue.
Shorted Option Bus Terminals issue: Shorting option bus terminal B (gnd) and terminal G (tx) does not break a transistor or require replacement of the panel.

2.2.3 Known issues in v2.02

Answer unknown trouble: When remote access is enabled, incoming calls (non-modem) result in a trouble message. Currently, a "work around" is to disable remote access.
Only one group allowed: Currently, although up to eight panels can be networked, they must all be in the same group. Prevent access to functions (silence, reset, etc.) by untrained, unauthorized personnel.
Multi-building interconnections: Because any interconnected panel can control all interconnected panels, it is possible to silence or reset an alarm, trouble, or supervisory signal initiated by a panel in one building from another building. Since all interconnected panels are in the same group, this cannot be avoided. Prevent access to functions (silence, reset, etc.) by untrained, unauthorized personnel.
Incorrect temporal pattern: FAA-325-B6S may produce an incorrect temporal pattern for the first cycle.
Duct limitation: A maximum of four FAD-325-R Kit, analog duct housing w/relays & head can be activated per SLC to meet the 10 second time limitation. If more than four FAD-325-R relays are needed, move to the other SLC or install non-relay versions with separate relay modules.
Global Fire Zone: Zones programmed for global fire will activate for both fire and waterflow events.
4-wire Alarm Verification: The Alarm Verification Delay type is not listed for 4-wire detectors connected to an FLM-325-CZM4 module, but can still be programmed. The literature indicates that this is a valid option.
440 detectors walk test: The 440 detectors can remain in walk test mode with their LEDs flashing red if the walk test was not started and stopped with the same login.
Counting zone: Counting Zone does not count properly if the Global Delay Mode is configured as Sandwich/Dual Zone and no floors are enabled for Sandwich or no dual zone dependencies are set

2.3 Release notes for v2.01

2.3.1 New features in v2.01

The following features apply to both the FPA-1000-UL and the FPA-1000-V2:

- **New devices**: Supports the following new Bosch SLC Devices:
  - FAA-440-B4 Analog Standard Base 4-inch
  - FAD-440-B4-ISO Analog Isolator Base 4-inch
  - FAA-440-B6 Analog Standard Base 6-inch
  - FAA-440-B6-ISO Analog Isolator Base 6-inch
  - FAH-440 Analog Heat Detector
  - FAP-440 Analog Photoelectric Detector
  - FAP-440-D Analog Dual Ray Photoelectric Detector
  - FAP-440-DT Analog Dual Ray Multisensor Detector Photo/Heat
  - FAP-440-DTC Analog Dual Ray Multicriteria Detector Photo/Heat/CO
  - FAP-440-T Analog Multisensor Detector Photo/Heat
  - FAP-440-TC Analog Multicriteria Detector Photo/Heat/CO

Number of zones: On a standalone panel, the number of zones has been increased to 225.

Number of floors: The number of floors per system has been increased to 64.

Trouble LED during panel initialization: During initialization, the panel activates the global trouble zone, so outputs assigned to that zone follow the Trouble LED.

New global zone: Added global zone for Waterflow.

Increased history event records: The maximum number of history event records has been increased to 2999.

Walk test timer reset: In walk test mode, every activation from an input point restarts the 25-minute walk test timer.

Silence at reset: At the beginning of system reset, the panel silences every silenceable output according to the silence mode (audible only or audible/visible) programmed for the system.

Sandwich Alarm silence/unsilence: For sandwich alarms, at each transition the panel unsilences if it was silenced during the previous phase.

The following features apply only to the FPA-1000-V2:

Peer-to-peer networking: Supports peer-to-peer networking of up to eight FPA-1000-V2 fire panels in a single group using an FPE-1000-NE, FPE-1000-NF, or FPE-1000-NW networking card.

Number of zones: In a networked system, each panel has 128 local zones plus 97 group zones and 18 global zones.

Auto crossover detection: The Ethernet port on the FPA-1000-V2 Mainboard supports automatic crossover detection, so connection can be made with either a cross-over cable or a straight CAT 5 cable.

IP address and ID display: During Lamp Test, holding the ACK button in for more than 3 seconds displays the panel IP address and ID number on the keypad.

2.3.2 Issues fixed in v2.01

NAC pattern selection: The ability to choose a NAC pattern for the following global zones (Alarm Verification, Pre-signal, PAS, and Reset) has ben removed.

Global gas alarm zone NAC patterns: Only the Steady and Temporal Code 4 NAC patterns are available for the global Gas Alarm zone.

Reduced system initialization speed: On large systems with many FMR-1000 annunciators, updating annunciator status and initializing the system will take more time. Please use the battery calculator to plan your system to keep it within the specified time frame.

AUX terminal short causes reboot: If the AUX terminals are shorted, a reboot is not initiated.

Class B SLC intermittent open/restore: If a Class B SLC loop goes into an intermittent open/restore situation, it will no longer result in a false alarm being triggered.
Relay bypass issue: The issue where the R2M RLY-1 was still activated after bypass has been corrected.
Alarm silence after pre-signal: The silence function now works correctly when using the Pre-signal function.
PSTN SIA reporting time: The DACT now only waits for the programmed interval between dialing attempts.
New SLC devices: The FAP-325-T Analog Multi-sensor Detector has been removed from the literature as an SLC device.
4-wire Alarm Verification: The Alarm Verification Delay type programming has been disabled for the contact modules.
Incorrect Alarm Verification Time: The Installation manual now correctly lists the alarm verification time range of 90-180 seconds.

2.3.3 Known issues in v2.01

Answer unknown trouble: When remote access is enabled, incoming calls (non-modem) result in a trouble message. Currently, a “work around” is to disable remote access.
Only one group allowed: Currently, although up to eight panels can be networked, they must all be in the same group. Prevent access to functions (silence, reset, etc.) by untrained, unauthorized personnel.
Multi-building interconnections: Because any interconnected panel can control all interconnected panels, it is possible to silence or reset an alarm, trouble, or supervisory signal initiated by a panel in one building from another building. Since all interconnected panels are in the same group, this cannot be avoided. Prevent access to functions (silence, reset, etc.) by untrained, unauthorized personnel.
Incorrect temporal pattern: FAA-325-B6S may produce an incorrect temporal pattern for the first cycle.
Zone limitation: A maximum of four FAD-325-R Kit, analog duct housing w/relays & head can be activated by a single zone to meet the 10 second time limitation. If more than four FAD-325-R relays are needed, assign to separate zones.
Global Fire Zone: Zones programmed for global fire will activate for both fire and waterflow events.
4-wire Alarm Verification: The Alarm Verification Delay type is not listed for 4-wire detectors connected to an FLM-325-CZM4 module, but can still be programmed. The literature indicates that this is a valid option.
440 detectors walk test: The 440 detectors can remain in walk test mode with their LEDs flashing red if the walk test was not started and stopped with the same login.
Counting zone: Counting Zone does not count properly if the Global Delay Mode is configured as Sandwich/Dual Zone and no floors are enabled for Sandwich or no dual zone dependencies are set.
Shorted Option Bus Terminals issue: If option bus terminal B (gnd) and terminal G (tx) are shorted, a transistor may break requiring replacement of the panel.

3 Release notes for v1.xx

3.1 Release notes for 1.14

3.1.1 New features in v1.14

No new features introduced in this version.

3.1.2 Issues fixed in v1.14

SLC Class A open issue: Panel may take longer than 200 seconds to reinitialize devices affected by an open on a Class A SLC.
Device activate/deactivate: FAA-326-B6S, FLM-325-SOM series cannot activate/deactivate after cycling Aux power during an event.
Option Bus issues: Shorting of the option bus does not list troubles for each device that is missing. Earth grounding of the option bus causes trouble condition to cycle.
Auto calibration issue: If an alarm, trouble, or supervisory condition exists and there is a power loss on the auxiliary power supply, when the power is restored and the smoke detectors recalibrate, pre-existing conditions are not reported.
Battery charger voltage level issue: An issue that no trouble is reported when the battery charge level was below 24 V has been corrected.
SLC intermittent open issue: If the SLC loop is intermittently open and closed, troubles will be reported for the wrong devices.

3.1.3 Known issues in v1.14

Incorrect temporal pattern: FAA-325-B6S may produce an incorrect temporal pattern for the first cycle.
Reduced system initialization speed: On large systems with many FMR-1000 annunciators, updating annunciator status and initializing the system will take more time. Please use the battery calculator to plan your system to keep it within the specified time frame.
Incorrect Alarm Verification Time: The Installation manual incorrectly lists the alarm verification time of 60-120 seconds. This will be corrected to 90-180 seconds range with the next update of the document.
Zone limitation: A maximum of four FAD-325-R Kit, analog duct housing with relays & head can be activated by a single zone to meet the 10 second time limitation. If more than four FAD-325-R Duct relays are needed, assign to separate zones.
Pre-signal delay issue: Pre-signal does not delay the City Tie reporting until the expiration of the timer.
PAS delay issue: PAS does not delay the off premise reporting. Activation of the event starts an immediate report.

3.2 Release notes for v1.13

3.2.1 New features in v1.13

No new features introduced in this version.

3.2.2 Issues fixed in v1.13

Alarm Verification Issue: The issue where the version 1.10, 1.11 or 1.12 FPA-1000 FACP may fail to recognize a verified smoke alarm when the Alarm Verification feature is turned on has been corrected for analog SLC detectors.

3.2.3 Known issues in v1.13

Answer unknown trouble: When remote access is enabled, incoming calls (non-modem) result in a trouble message. Currently, a “work around” is to disable remote access.
New SLC devices: The FAP-325-T Analog Multi-sensor Detector is in the literature as an SLC device, but is not available yet.
4-wire Alarm Verification: The Alarm Verification Delay type is not listed for 4-wire detectors connected to a an FLM-325-CZM4 module or with contact modules (FLM-325-I/-I4/-!4-A/-I4-AI/-2I4/-IM or D326A).

3.3 Release notes for v1.12

3.3.1 New features in v1.12

No new features introduced in this version.

Display changes: Instead of group, the panel displays the highest priority event. If any higher priority event comes in, the panel automatically switches to the new event.

Dual-zones improvement: Changed the layout of the dual zone mapping in the web browser. Changed the name of "group" in Programming dual zones to "pairs." Set the maximum co-dependent zones of one zone to four different zones.

Hexadecimal reporting account number: Regardless of which reporting format (menu/web browser) is used, the panel can be programmed with hexadecimal reporting account numbers.

Point restoral upon reset: Upon panel reset, the panel restores all existing alarms including fire/waterflow alarms, gas alarms, and supervisory alarms. This involves removing alarms from display and creating alarm restoral events of all existing alarms for history, reporting, and printing.

Ring count programming: To delay the panel answering an incoming call on shared phone line 1, you can program up to 10 rings after which the panel will answer.

Trouble beep at system initializing: Upon system initialization, the panel sounds the buzzer in trouble mode and lights the trouble LED until the system is normal or until a real trouble is indicated.

3.3.2 Issues fixed in v1.12

Auto dialing type: The auto dialing function has been fixed so that it correctly tests both pulse and tone dialing.

Battery trouble: Fixed issue with battery restore being reported even without battery connection.

IP reporting with encryption and anti-replay: Fixed the communication issue that occurs in v1.10 and v1.11 if both IP reporting with encryption and anti-replay are turned on and the reporting format is Modem IIIa^2 with text. In these versions with this combination chosen, some events cannot be sent to the receiver. After several retries, a communication fail event is shown on the panel.

New SLC devices: The following SLC devices are supported:

- FAP-325-IM Miniature Response Contact Monitor
- FLM-325-I4-A Contact monitor, class A, 4in
- FLM-325-I4-AI Contact monitor w/ isolator, class A 4in
- FLM-325-2R4-2A Dual relay module, 2A
- FLM-325-2R4-2AI Dual relay module w/ isolator, 2A
- FLM-325-2R4-8A Dual relay module, 8A
- FLM-325-2R4-8AI Dual relay module w/ isolator, 8A

Phone line 2 trouble: In/out calls on phone line 2 no longer initiate line disconnect trouble signals.

Real-time event printing features including programmable delay: This feature, as described in the *FPA-1000 Installation/Operation Manual* and Online Help, is now available on MMI and Web page.

3.3.3 Known issues in v1.12

Answer unknown trouble: When remote access is enabled, incoming calls (non-modem) result in a trouble message. Currently, a “work around” is to disable remote access.

New SLC devices: The FAP-325-T Analog Multi-sensor Detector is in the literature as an SLC device, but is not available yet.

3.4 Release notes for v1.11

3.4.1 New features in v1.11

No new features introduced in this version.

3.4.2 Issues fixed in v1.11

Phone line 1 troubles: In/out calls on phone line 1 no longer initiate line disconnect or dialer answering trouble signals.

3.4.3 Known issues in v1.11

Remote dial-up connection: The remote dial-up connection for web-based programming is not working.

3.5 Release notes for v1.10

3.5.1 New features in v1.10

Support for new SLC devices:

- FAP-325-V2F Analog Photoelectric Smoke Detector Flat
- FLM-325-NA4 Supervised output module, Class A/B
- FLM-325-NAI4 Supervised output module w/isolator, A/B

Expansion of the SLC protocol: Now able to connect up to 254 devices and/or modules to one SLC loop (applies to new SLC devices).

SLC device group types: For the FPE-1000-SLC V1.25 or higher, the maximum SLC current is increased to allow more devices being connected to one SLC.

FLM-325-B6S: Programming option for activation by host detector

NAC appliances (see the *FPA-1000 NAC Compatibility List*):

- New Wheelock and System Sensor devices have been added to the compatible devices' list
- Gentex devices registered
- Mainboard/Option Bus NAC patterns include Gentex
- Built-in synchronization for appliances from Gentex
- NAC patterns for global gas alarm zone include Temporal Code 4

Programming options:

- IP reporting communication with the Advanced Encryption Standard (AES)
- SIA 300 and Modem IIIa^2 reporting formats with text or without text
- Silence operation for relays and City Ties
- Sequential reset of Mainboard and Option Bus relays
- Sandwich alarm allows time-triggered phased evacuation (evacuation floor above, floor below)
- Programmable reset enable/disable option of the auxiliary power supply AUX/RST upon panel reset
- Global delay alarm option
- Dual-zone alarm allows for programming a dual-zone dependency
- Auto logout indication at Level 3
- Simplified software version indication (see *FPA-1000 version naming, page 5*)
- Translation of the panel MMI and Web pages into the languages Brazilian Portuguese and Latin American Spanish

New features on the Web pages:

- Off-line configuration tool
- Online help
- Allows for comparing and printing the programmed configuration

– Allows time-zone offset for time synchronization with PC

3.5.2 Issues fixed in v1.10

Gas alarm: Gas alarms are reported to the central station receiver as event type Fire Supervisory, if Modem IIIa^2 format is programmed. This fixes an issue that Gas alarm is not sent to the central station receiver.

History records for manual/automatic communicator tests: Each communication test is recorded in history. It was not recorded in previous versions.

Fire trouble/restoral event codes: If Modem IIIa^2 format is programmed, Fire trouble/restoral event codes are transmitted, instead of general trouble/restoral event codes.

Confirmation for remote programming access: As soon as the option Confirm At Panel is enabled from the menu, web programming is allowed for 25 minutes. Remote programming is disabled 25 minutes later.

Phone line 1 disconnection: The panel would sometimes indicate that the phone line 1 was disconnected after being installed for some period of time, preventing the DACT from transmitting reports via PSTN.

3.5.3 Known issues in v1.10

Level 3 PIN login is blocked on the Web page: Sometimes Level 3 PIN cannot login any more. The user must reset the Level 3 PIN from the panel menu.

Panel reset: When resetting the panel, no fire restoral messages will be sent.

Communication loss counters for Supervised Output Modules: If there are more than 100 FLM-325-N4 devices on an SLC, the loss counter values for the FLM-325-N4 devices on the SLC diagnostics menu are not always zero.

Indication of remaining time during Walk Test on Web: Not available yet.

Forbidden characters for label text on Web page:

– The following characters must not be used on Web pages: < > & “ ‘
– The following characters are not displayed correctly on the panel’s LCD: % \ ~

New SLC devices: The following SLC devices are in the literature but not available yet:

– FAP-325-T Analog Multi-sensor Detector
– FLM-325-I4-A Contact monitor, class A, 4in
– FLM-325-I4-AI Contact monitor with isolator, class A 4in
– FLM-325-2R4-2A Dual relay module, 2A
– FLM-325-2R4-2AI Dual relay module with isolator, 2A
– FLM-325-2R4-8A Dual relay module, 8A
– FLM-325-2R4-8AI Dual relay module with isolator, 8A

Installation and Operation Guide (IOG) Version 3.0:

– On page 85 it says, “If the panel is already silenced, pressing [SILENCE] causes an unsilence command in the panel”. This feature was removed and the statement will be removed from the IOG accordingly in the next revision
– The silenceable options for the Mainboard and Option Bus relays are not shown on the product MMI, but replaced by [EXT SIGNALING]
– On page 133 it says, “The Web login screenshot on the page below shows a RESET button.” Such a button is not available on the product Web page
– On page 136, the description about the item "Compare Configuration" does not exactly match the software functionality. In fact, it should say, "You can compare either two different FPA-1000-UL configuration files or preview saved/unimplemented change."

Real-time event printing features including programmable delay: This feature is described in the IOG and Online Help, but is not yet available on MMI and Web page.

Compare Configuration: With the IE Web browser, the “Compare Configuration” page cannot be saved as a file. (It works with the Mozilla Firefox browser.)
Web access: After having confirmed, the user needs to reconfirm the Web access on the panel if no activities have been performed for 25 minutes. Sometimes after confirmation, reconfirmation is required before the time out of 25 minutes.
Menu 3.2.4: When having selected from menu 3.2.4, sometimes the panel prints the SLC diag pages multiple times until the user exits the menu.

3.6 Release notes for v1.03

3.6.1 New features in v1.03

No new features

3.6.2 Issues fixed in v1.03

Off hook time: When accessing the panel remotely through the phone line the off hook time of a dropped call is reduced. This fixes an issue that the panel didn’t hang off in time after a remote call was dropped.
Powered IN terminals in Class B mode: This fixes an issue when the CZM which is wired in Class B mode provided voltage to the IN terminals when there is an open trouble.
Open trouble and power loss at IN terminals: This fixes an issue when a Class A or Class B wired CZM which is connected to external auxiliary power has an open loop or open EOL during the "Auto Learn Difference" operation or “Add A Device” operation from the panel menu, there is no open trouble indication and there will be no power provided to the IN terminals. The devices between the IN terminals and the break will not have power.
Aux power trouble and Auto Learn: This fixes an issue that the CZM does not display the Aux power trouble when Aux power is missing and “Auto Learn” or “Auto Learn Difference” or "Add A device" from the panel menu was performed.
Power loss at IN terminals after reset: This fixes an issue when the CZM is wired in Class A mode and connected to external auxiliary power, and a open trouble is shown at the panel. The CZM provides voltage to both OUT and IN terminals. If there is still a break in the loop and reset is pressed, the devices connected to the IN terminals would lose power.
Open trouble and global reset: This fixes an issue when the CZM which is wired in Class A mode and connected to AUX/RST power still reads and displays the CZM as being in the open state even after repairing the Class A loop and pressing reset.
28-day Auto Test Interval: This fixes an issue where the next auto test report is sent approximately 1 hour later than expected, when setting the auto test interval to 28 days.
FAA-325-B6S menu for the detector: The menu item Edit Sounder Base for detectors is removed. The menu was intended as a shortcut from Add A Device or Edit A Device to Edit Sounder Base when programming SLC devices. The FPA-1000-UL Installation/Operation Manual will be updated accordingly with Version 3.0.
Listing of SLC devices after "Auto Learn Difference": This fixes an issue when a new device address is less than the greatest address of the existing devices, after "Auto Learn Difference" operation the SLC loop devices were not displayed completely in Internet Explorer.

3.6.3 Known issues in v1.03

CZM modules per SLC: The number of Conventional Zone Modules (FLM-325-CZM4) per SLC module is limited to 32.
Level 3 PIN login is blocked on the Web page: Sometimes Level 3 PIN cannot login any more. The user must reset the Level 3 PIN from the panel menu.

Communication loss counters for Supervised Output Modules: If there are more than 100 FLM-325-N4 devices on an SLC, the loss counter values for the FLM-325-N4 devices on the SLC diagnostics menu are not always zero.
Confirmation for remote programming access: As soon as the option Confirm At Panel is enabled from the menu, web programming is allowed for 25 minutes. Remote programming is disabled 25 minutes later.

3.7 Release notes for v1.02

3.7.1 New features in v1.02

No new features

3.7.2 Issues fixed in v1.02

Increased reset time: This allows conventional devices connected to the FLM-325-CZM4 a longer time to power off. This fixes an issue where sometimes it was required to press the Reset button a second time before the system would unlatch the alarm from a conventional device.

3.7.3 Known issues in v1.02

Incorrect reporting: Troubles and restorals are occasionally reported if a D7035 Octal Relay Module is installed on the Option bus.
Level 3 PIN login is blocked on the Web page: Sometimes Level 3 PIN cannot login any more. The user must reset the Level 3 PIN from the panel menu.
28-day Auto Test Interval: When setting the auto test interval to 28 days, the next auto test report is sent approximately 1 hour later than expected.
Communication loss counters for Supervised Output Modules: If there are more than 100 FLM-325-N4 devices on an SLC, the loss counter values for the FLM-325-N4 devices on the SLC diagnostics menu are not always zero.
Confirmation for remote programming access: As soon as the option Confirm At Panel is enabled from the menu, web programming is allowed for 25 minutes. Remote programming is disabled 25 minutes later.
FAA-325-B6S menu for the detector: The menu Edit Sounder Base for detectors is not working. The menu was intended as a shortcut from Add A Device or Edit A Device to Edit Sounder Base when programming SLC devices.

3.8 Release notes for v1.01

3.8.1 New features in v1.01

With Version 1.01, the panel’s display supports Latin American Spanish and Brazilian Portuguese.

3.8.2 Issues fixed in v1.01

- No missing trouble reported if SLC card is unplugged while power is applied to the panel.
- On the Web page, the delay mode for the FLM-325-CZM4 is grayed out if the choice is not allowed.

3.8.3 Known issues in v1.01

Incorrect reporting: Troubles and restorals are occasionally reported if a D7035 Octal Relay Module is installed on the Option bus.
Level 3 PIN login is blocked on the Web page: Sometimes Level 3 PIN cannot login any more. The user must reset the Level 3 PIN from the panel menu.

28-day Auto Test Interval: When setting the auto test interval to 28 days, the next auto test report is sent approximately 1 hour later than expected.
Communication loss counters for Supervised Output Modules: If there are more than 100 FLM-325-N4 devices on an SLC, the loss counter values for the FLM-325-N4 devices on the SLC diagnostics menu are not always zero.
Confirmation for remote programming access: As soon as the option Confirm At Panel is enabled from the menu, web programming is allowed for 25 minutes. Remote programming is disabled 25 minutes later.
FAA-325-B6S menu for the detector: The menu Edit Sounder Base for detectors is not working. The menu was intended as a shortcut from Add A Device or Edit A Device to Edit Sounder Base when programming SLC devices.

3.9 Release notes for v1.00

3.9.1 New features in v1.00

New product release

3.9.2 Issues fixed in v1.00

New product release

3.9.3 Known issues in v1.00

None

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