



# Fire Alarm Control Panels

FPD-7024



**BOSCH**

en Release Notes



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# 1 Short description

The FPD-7024 FACP is a fully integrated hard-wire fire alarm system. It can support four initiating device circuits, expandable to eight using the FPC-7034 Four-Point Expander. With the addition of a Multiplex Expansion Module, the system is expandable to 247 addressable points. The control panel has a built-in LCD keypad. Up to four additional keypads can be used to provide user interface with the system and programming access for the installer.

The FACP also includes the following features:

- Built-in dual-line communicator
- Two built-in NACs
- Menu-driven keypad programming
- Freely programmable alphanumeric/alphabetical display in English, Latin American Spanish, or Brazilian Portuguese
- 99-event history buffer
- 16 user codes

When the Multiplex Expansion Module is installed, these additional features are available:

- 247 additional addressable input points
- 499 non-volatile event history buffer
- 100 user codes

## 2 Release notes for v1.06.01

This release fixed how we implemented the 10 digit account number.

Originally the panel would only support 4 digits and some customers needed the ability to expand this to 10 digits. We expanded this from 4 digits to 10 digits and always sent the 10 digits to the central station. It was discovered shortly after release that not all competitive receivers and automation software could handle the 10 digit CID format even though the protocol allows for this.

### 2.1 New Features

There are two new products being introduced.

- The FPE-7039 MUX expansion module: This product is backwards compatible to the D7039 and is supported in all FPD-7024 panel versions.
- The FLM-7024-ISO MUX isolator module: This is a new product that is supported when the following two conditions are met:
  - The FPD-7024 panel must be v1.06 or greater.
  - The FPE-7039 must be used. The FLM-7024-ISO cannot be used with the D7039.

### 2.2 Issues fixed

- **Account number implementation:**
- Support 4 and 10 digits Account Number when using Modem IIIa<sup>2</sup> format for PSTN and IP reporting.
- Support 4 and 10 digits Account Number when using CID format for PSTN and IP reporting.
- Support 4, 5, and 6 digits Account Number when using SIA format for PSTN reporting.

For Modem IIIa<sup>2</sup>, CID formats, if 1-4 digits are entered the leading zeros are ignored and the panel will send 4 digits, when the account number is 5-10 digits the panel will send 10 digits to the central station.

For SIA format, if 1-4 digits are entered it will ignore the leading zeros and the panel will send 4 digits, if 5 or 6 digits are entered it will send this number of digits to the central station.

### 2.3 Known issues

- When using RPS to program the FACP through a DX4020, system events might interrupt the FACP programming process.
- Resetting the panel when it is running on battery power causes the AUX power to reset.
- AC Line options changed by RPS will not be implemented until the panel is rebooted.
- If the mainboard NAC is configured with zone 62, then comm fail trouble will automatically be restored. This trouble indication should remain latched until the condition causing the failure is corrected. To avoid this, do not configure the mainboard NAC for zone 62.

## 3 Release notes for v1.06

Three separate engineering projects (1.04, 1.05, and 1.06) were combined for the release of v1.06.

### 3.1 New features

- **UL864, 10th edition:** Now the FACP fulfills all UL 864, 10<sup>th</sup> edition requirements.
- **Dual IP:** Now the FACP can report to two phone numbers or IP addresses or one phone line and one IP address with full single, double, and back-up reporting. It communicates in SIA, Modem IIIa<sup>2</sup>, Contact ID, BFSK, and 3/1 and 4/2 formats (available communication formats depend on phone or IP connection). A Conettix communication module must be connected to the Option bus at address 134 or address 250 or both for IP communications using Modem IIIa<sup>2</sup> or Contact ID formats on Ethernet or GPRS/GSM networks. Cellular communications over these channels may require an appropriate SIM card and data plan.
- **Support for extended IP supervision:** The IP Heartbeat interval can now be selected in hours, minutes, or seconds and ACK Wait can now be selected for minutes or seconds.
- **Account numbers:** Now the FACP can accept 10-digit account numbers when reporting with Modem IIIa<sup>2</sup> or Contact ID formats and 6-digit account numbers when reporting with the SIA format.
- **Multilanguage displays:** Now the built-in keypad, the FMR-7033 and the FMR-7036 all have status LEDs and Keys identified by icons and display messages in English, Latin American Spanish, or Brazilian Portuguese.

### 3.2 Issues fixed

- The program choices MUX PROGRAM and POINT COPY have been changed to (reserved).
- Due to Option bus communication delays, the walk test notification labeled SHORT ACTIVE has been removed.
- Under some circumstances, MUX outputs toggled from activated to deactivated and back to activated. This has been fixed.
- No visible LED indication at the addressable detector when dirty has been fixed.
- Failure to connect to RPS when using CALL REMOTE over a phone line has been fixed.

### 3.3 Known issues

- When using RPS to program the FACP through a DX4020, system events might interrupt the FACP programming process.
- Resetting the panel when it is running on battery power causes the AUX power to reset.
- AC Line options changed by RPS will not be implemented until the panel is rebooted.
- If the mainboard NAC is configured with zone 62, then comm fail trouble will automatically be restored. This trouble indication should remain latched until the condition causing the failure is corrected. To avoid this, do not configure the mainboard NAC for zone 62.
- If a D7035 is placed at address 95, it can activate during DRILL.

## 4 Release notes for v1.03

### 4.1 New features

- **Documentation corrected:** The FACP's documentation (datasheet and Installation & Operation Guide) now indicates IP communication using the ITS-DX4020-G GPRS/GSM IP Communicator and the B420 Ethernet Communication Modules.
- **NAC Silence Mode:** A NAC SIL MODE programming option has been added. This option allows notification devices to be silenced from the control panel. You can choose audible only or audible and visible.
- **New certification:** The FACP now satisfies Anatel requirements for use in Brazil.

### 4.2 Issues fixed

- Walk test mode displays the incorrect point tested has been corrected with v1.03.
- Increased cellular usage due to a retry rate of ~10 seconds rather than using the heartbeat rate of ~75 seconds has been corrected in v1.03
- Having to manually locate an alarm/trouble/supervisory/gas event because the group displays before the event has been corrected in v1.03

### 4.3 Known issues

- When using RPS to program the FACP through a DX4020, system events might interrupt the FACP programming process.
- Resetting the panel when it is running on battery power causes the AUX power to reset.
- AC Line options changed by RPS will not be implemented until the panel is rebooted.
- If the mainboard NAC is configured with zone 62, then comm fail trouble will automatically be restored. This trouble indication should remain latched until the condition causing the failure is corrected. To avoid this, do not configure the mainboard NAC for zone 62.

## **5 Release notes for v1.02**

### **5.1 Issues fixed**

In some cases, RPS crashes when it reaches Packet 22. As a result, it does not program the FACP as expected. This issue is resolved when using FACP v1.02 or later and RPS 5.11 Service Pack 4 or later.

### **5.2 Known issues**

When using RPS to program the FACP through a DX4020, system events might interrupt the FACP programming process.



## **6 Release notes for v1.01**

### **6.1 Issues fixed**

The FACP v1.01 fixes a problem when a D7053 Multiplex Input- Output Module is connected to the FACP. When the relay is activated on a v1.00 FACP, resetting the FACP does not deactivate the relay. With a v1.01 FACP, resetting the FACP deactivates the relay.





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