TECHNICAL BULLETIN

Fire
FPD-7024 Series

D7053 Relay Does Not Activate upon Reset
June 25, 2009

Issue Severity:

☐ **High:** Act immediately

☒ **Medium:** Bosch Security Systems, Inc. strongly recommends you take the action(s) described below.

☐ **Low:** Advisory

Products Affected:

- FPD-7024 Fire Alarm Control Panel (FACP)

- D7053 Multiplex Input Output Module

1.0   Issue

When a D7053 Multiplex Input-Output Module is used with an FPD-7024 FACP that does not have a version 1.01 ROM, pressing the [RESET] key on the FACP does not deactivate the D7053 relay. Any devices connected to the D7053 will not resume normal operation.

2.0   Resolution

Upgrade to a version 1.01 ROM in the FPD-7024.

> - When a D7053 is used with the FPD-7024, a D7039 Multiplex Expansion Module is required.
>
> - The ROM is included in a kit with the D7039. Older kits have a version 2.07 ROM used in the D7024. Beginning in early June 2009, the version 1.01 ROM for the FPD-7024 is included in the kit with the D7039 instead of the version 2.07 ROM for the D7024.
>
> - Early shipments of the FPD-7024 have a version 1.00 ROM installed.

1. If the D7039 is installed in the FPD-7024, press the [TEST] key on the keypad, then press the [0] key. The version number of the ROM appears in the keypad display.

2. Allow the FACP to complete the procedure. Then press the [BACK] key.

3. If you received a D7039 but have not yet installed it and the included ROM, check the version number on the ROM label.

4. If you do not have a version 1.01 ROM, contact Customer Service (800-289-0096) and request FSD-ROM-FPD7024. There is no charge for the upgrade ROM kit.

5. Install the new ROM. Refer to *Section 3.0 ROM Installation.*

3.0   ROM Installation

> ⚠ - Before removing the D7039 Module and replacing the ROM, remove all AC and battery power to the FPD-7024 FACP.
>
> - Failure to follow the instructions in this procedure can damage the FACP.
>
> - The D7039 and FDP-7024 have static-sensitive components and must be handled with care. Follow the anti-static procedures when handling these modules.

1. Disconnect the power sources to the FPD-7024.

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2. Carefully remove the D7039 by disconnecting it from the FPD-7024 and lifting it off the standoffs. Disconnecting the ground wire and the wiring to the D7053 is not necessary.

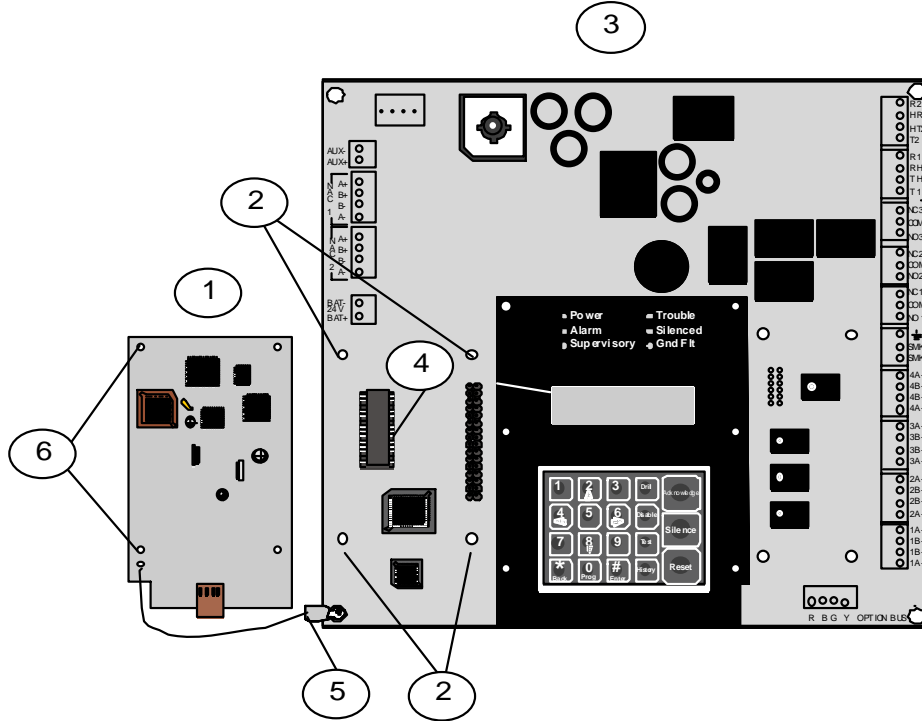☑ The ROM is installed under the D7039 on the FPD-7024. Refer to *Figure 1*.

3. Use a flat-head screwdriver. Place the end of the screwdriver in the slot at the open end of the chip.
4. Gently pry the chip from the board by lifting straight up.
5. Discard the old ROM.

⚠ Before handling the update ROM, touch a grounded point to discharge any static electricity.

6. Place the new ROM over the socket. Ensure that the notched end of the ROM aligns with the notched end of the socket. For additional details, refer to the *Fire Panel ROM Update Kit* (P/N: F01U034992).
7. Slowly push straight down on the ROM until all pins are correctly seated. The pins on both sides of the ROM should enter the socket at the same time.
8. To reinstall the D7039, align the mounting holes with the standoffs and press the module to seat it securely in the connector on the FPD-7024.

Figure 1: ROM Installation on the FPD-7024

1 - *D7039 Input Output Module*	4 - *ROM*
2 - *Standoffs*	5 - *Ground wire*
3 - *D7024 Fire Alarm Control Panel (FACP)*	6 - *Mounting holes*

9. Reconnect the AC and battery power to the FPD-7024.

10. Create an event to activate the D7053 output. Then press the [RESET] key and check that any devices connected to the D7053 module resume normal operation.

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130 Perinton Parkway, Fairport, NY 14450-9199 USA
(800) 289-0096

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