1.0   Introduction

Use the ROM Update Kit to update existing D9068, DS9602, DCT-1, DCT-1E, FPT-DACT, and FPT-DACT-LC units with the latest firmware revision. Replace the ROM in the unit with the ROM included in the Update Kit.

2.0   Fixed Items in Firmware Version 1.09

- Starting in 2007, the Daylight Savings Time rules in North America were modified so that clocks change on the second Sunday in March and the first Sunday in November. This software version was changed to implement these new dates. Bosch Security Systems, Inc. released a bulletin asking customers to disable the DST feature in versions 1.08 and earlier. It can now be ignored.

- Auto test reporting option 7 day and 28 day was reporting at 24 hours. This has been repaired and now reports at the set option.

3.0   Fixed Items in Firmware Version 1.08

Phone Line Supervision – Depending on the ringer equivalence number (REN) for all the equipment connected to the phone line it can take longer than 200 seconds to indicate a phone line failure.

This issue has been repaired and a phone line failure is indicated in less than 200 seconds.

4.0   New Features in Fimware Version 1.07

- Supervisory restore report implemented.

- Test interval changed to 4 hours to meet UL864 9th edition.

- During the initial power-up of the unit, a diagnostic test runs. The trouble LED indicates the test that failed. Refer to *Table 1*. Any time a test fails, the trouble relay is faulted.

- The unit sends trouble reports upon start up.

- A problem with the dialer intermittently sending a "0" instead of the first digit of the account code is repaired.

- When used with the D8024 or D10024A Control Panels, the unit could fail to send AC failure reports. This issue is fixed.

- When the control panel has no more events, the unit now sends CID code 305 "System Reset". Previously the code sent was 401 "O/C by user".

- When performing a phone line test, the display might indicate the incorrect line being tested. This is repaired.

Table 1: Diagnostic Tests

Trouble LED Flash count	Test
1	RAM test
2	External RAM test
3	External RAM test
4	ROM test
5	EEPROM test
6	Illegal opcode test
7	Watchdog test
8	Clock monitor test
9	External IRQ test
10	Invalid internal test

5.0   Replacing the ROM

You need a flat head screwdriver for this procedure.

⚠ Incorrectly removing or replacing the ROM can damage the circuit board. Bosch Security Systems is not responsible for control panels damaged as a result of incorrectly removing and installing the ROMs.
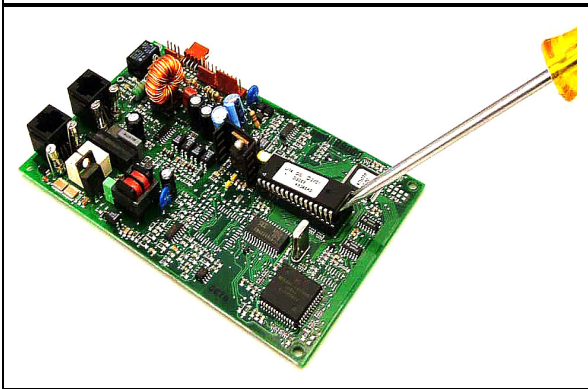
1. Disconnect the dialer's power source.

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

2. Locate the ROM on the circuit board (*Figure 1* on page 2) and place the end of the screwdriver in the slot at the open end of the chip.
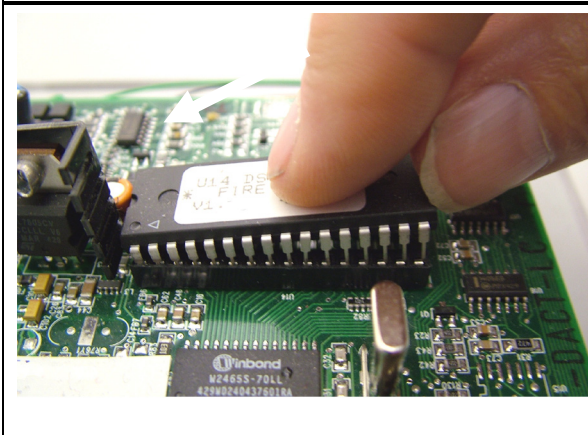
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Figure 1: Removing the ROM

3. Gently pry the chip from the board by lifting straight up.

4. Discard the old ROM.

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

5. Place the new ROM over the socket. Make sure that the marked ends of the ROM align with the marked ends of the socket (*Figure 2*).

Figure 2: Aligning the Marked Ends of the ROM

6. Slowly push down on the ROM making sure that it is fully seated.

⚠️ Do not tilt the ROM so that the pins on one side go into the socket before the pins on the other side.

7. Reconnect the dialer's power source.

8. Reprogram the dialer and test the system using the appropriate Installation Guide:

   - D9068 Operation and Installation Guide (P/N: 45386)
   - DS9602 Reference Guide (P/N: 45387)
   - DCT-1, DCT-1E Installation Guide (P/N: 50166)
   - FPT-DACT, FPT-DACT-LC Operation and Installation Guide (F01U002505)

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Release Notes

02/07
FSD-ROM-DACT
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