# **Control Panel D4412**

## **Release Notes**

## July 2003

Affects: Firmware Revision 1.08

#### 1.0 Compatibility

#### 1.1 D6600 Communications Receiver/Gateway

When programmed to communicate in the Modem IIIa<sup>2</sup> Format, the D4412 control panel must report to a D6600 with a Central Processing Unit (CPU) running revision 01.01.03 firmware or later.

#### 1.2 D6500 Central Station Receiver

When programmed to communicate in the Modem IIIa<sup>2</sup> Format, the D4412 control panel must report to a D6500 with a D6511 Main Processing Unit (MPU) running revision 1.05 firmware or later. **The D6500** with a D6510 MPU does not support Modem IIIa<sup>2</sup> Format.

#### 1.3 RPS (RAM IV)

To program a D4412 from a remote location, you must use the Remote Programming Software (RPS/ RAM IV) version 3.6 or greater.

#### 2.0 Version 1.08 Supports new 'Hybrid Telephone Circuit'

- Control panel/RPS Communication Issue: control panels shipped from the factory with firmware revision less than 1.08 may have difficulty communicating with RPS (RAM IV) in some less than optimal telephone environments. The *D6412/D4412 Control Panel/RPS (RAM IV) Technical Service Note* (P/N: 4998122763) explains the issue in detail. It includes complete instructions for diagnosis and offers several remedies.
- No issue for control panels shipped with Version 108 Firmware: control panels shipped from the factory with Version 1.08 firmware are fitted with a new 'Hybrid Telephone Circuit'. This new circuit in combination with firmware revision 1.08 resolves the control panel/RPS communication issue.



Upgrading the control panel firmware to revision 1.08 in those control panels with an older Hybrid Telephone Circuit may slightly improve the control panel's noise filtering capability. In some less than optimal telephone environments this slight improvement may address a control panel/RPS communication issue. However, if the control panel shows any symptoms of a control panel/RPS communication issue, Bosch strongly recommends that you follow the diagnostic procedure outlined in the D6412/D4412 Control Panel/RPS (RAM IV) Technical Service Note (P/N: 4998122763). You can find the Technogram at our web site or contact tech support at (888) 886-6189 to order a copy.

### 3.0 Known Issues in Firmware Version 1.08

- Cmd 54 Does Not Activate 'Pulse Mode' Outputs: Cmd 54 does not activate outputs programmed for 'Pulse Mode'.
- Sensor Trouble Monitor Output activates when Controlled Point is faulted: Internal testing has found that when a trouble condition occurs on a controlled point (Entry/Exit Delay 1 or 2, Follower, Instant), an output programmed for Sensor Trouble Monitor activates. The output programmed for this function should only activate when the number of days entered for Sensor Monitor Time passes without any sensor (point) activity.
- Second Pulse on Cross Point does not create Alarm Condition: Internal testing has found that a second pulse on a Cross Point that lasts 20 seconds or longer does not create an alarm condition for that point.
- Unverified Event Report: The D4412 sends the incorrect Cross Group Number (Point Index Number) when there is a fault on only one point. A fault on only one point in a Cross Group is defined as an unverified event.

- **Bell Time Output Function:** The Bell Time output function should activate on any alarm, even if the point in alarm is not programmed for alarm output. The Bell Time output function only activates if the point in alarm is programmed for alarm output.
- Cmd 49, Press \* then Cmd to Exit: When using Cmd 49 to adjust command center volume and/or lighting, users are instructed to press [Cmd] to exit. Press [\*] and then [Cmd] to exit. If the [\*] key is not pressed first, the D4412 may not 'remember' the command center adjustments.
- **Reset Renews One-Time Passcodes:** Resetting the D4412 with either the Installer Switch or RPS (RAM IV) renews One-Time Passcodes.
- Output Function Type 1-7 Not Working as Described: Output Function 1-7 (Silent Alarm) does not work as described in the *D6412/D4412 Program Entry Guide* (P/N: 45351). The following conditions will activate the Silent Alarm Output Function in Firmware version 1.05:
  - A, B, or C Key programmed for Fire or Emergency and no Alarm Output
  - RF Keyfob programmed for Fire or Emergency and no Alarm Output
  - A point programmed for Fire or Fire with Verify and no Alarm Output
  - Any point not programmed for Invisible Panic that is programmed for no Alarm Output
  - Any armed point programmed as a controlled type that goes from Supervised to Missing and programmed for no Alarm Output
  - Any armed keyswitch programmed for no Alarm Output that goes from Supervised to Missing or Short to Missing
- Area 1 Common Area Sending Forced Arm Reports: The control panel sends a Forced Arm report to the central station when Area 1 is programmed as a common area and the last area has been armed with no point faults/troubles or system faults/troubles existing prior to arming. In this case, the control panel should send a normal closing report once the last area arms.

- Skeds can be changed regardless of User Area Assignments: Regardless of the area(s) a user is assigned to, they may modify Skeds for areas outside of their assigned range. For example, if a user is only assigned to Area 1, they can modify Skeds in Area 2 (D4412 supports up to 2 areas). The intended operation was to limit Sked modification to the user's area assignment.
- **Bypass Restore Report:** The D4412 incorrectly sends the point number in the user number field of the Bypass Restore Report for the Modem IIIa<sup>2</sup> format.
- **RF Keypad Supervision:** The control panel does not supervise RF keypads for low batteries or missing conditions.
- Part On and Part 2 On Display: The LED Command Center currently does not differentiate between Part On and Part 2 On arming modes.
- **Delay Alarm Output:** This feature currently does not work as described in the *D6412/D4412 Program Entry Guide* (P/N: 45351). Alarm output begins at the start of the event instead of delaying until communication to the central station receiver is complete, or there are two failed attempts.
- **Missing User ID:** Arming Part On with Delay or force arming All On with No Delay currently does not send the User ID when sending the specific arming report.
- **Cross Points:** The *D6412/D4412 Program Entry Guide* (P/N: 45351) incorrectly describes the Pulse Count timer function when using the Cross Point index. The Cross Point Pulse Time is fixed at 60 seconds regardless of the value entered at this parameter.
- Sked Time/Daylight Saving Time: Do not set a Sked's time to coincide with the Daylight Saving Time auto adjustment. The Sked will not operate as expected.
- Alarms do not Clear after Reset: Alarms only clear from alarm memory after an arming cycle. When an alarm occurs, all alarms since the previous arming cycle are displayed.
- **Bell Time Output Function:** The Bell Time output function (1,5) should activate on any alarm, even if the zone in alarm is not programmed for alarm output. This output function only activates if the zone in alarm is programmed for alarm output.

#### 3.1 Remote Programming Software Issues

- Unbypassing a Controlled Zone from RPS does not reactivate Zone: Using RPS to unbypass a controlled zone when the system is armed does not rearm that zone. The system continues to ignore faults on the zone. No alarms from that zone are generated. 24-hour zones unbypass properly. Do the following from RPS to return the zone to active status:
  - 1. Disarm the area in which the zone is assigned.
  - 2. Unbypass the zone.
  - 3. Rearm the area.
- Changing RF ID: RPS (RAM IV) allows you to change the RF ID for a location without resetting the 'learned' characteristics for the transmitter associated with the ID. For example, the D4412 is supervising an RF3401 Door/Window transmitter. The control panel has 'learned' that both the reed switch/magnet and the sensor loop are being used. The magnet must be in place **and** the sensor loop must be normal for the transmitter to be normal (not faulted). If you enter an ID for a new transmitter for this location, the D4412 expects to see both the reed switch and the sensor loop normal before the point state is declared normal. If you wish to use only the reed switch (or only the sensor loop), the ID for the location must be removed from a command center using the installer's RF menu. See the D6412/D4412 Installation Guide (P/N: 45349) for instructions.
- **Parameters Changed Report:** To end a RPS (RAM IV) session after changing control panel parameters, check 'Reset Panel'. The D4412 may ignore some or all of your parameter changes if you don't check 'Reset Panel'. The "Parameters Changed" report is only sent when you make parameter changes and you end the RPS (RAM IV) session without checking the "Reset Panel" box.
- Arming from RPS (RAM IV): When arming from a command center, users can change from any armed state to another armed state without disarming. When changing armed states with RPS (RAM IV) diagnostics, you must disarm before changing to the new-armed state.
- **Output Set and Reset Events:** An Output Reset command issued from RPS (RAM IV) will generate 'Set' events in the D4412 (event in log and report).

- Call RPS (RAM IV) at Test Time: The "Call RPS (RAM IV) at Test Time" feature has not yet been implemented.
- Calling RPS (RAM IV) using Cmd 43: The D6412/D4412 Program Entry Guide (P/N: 45351) states when a user enters Cmd 43, the D6412 calls RPS (RAM IV). This feature is currently not available.