

UniOP Firmware Revision History

Contents

1	Release: 4.10	1
1.1	Added	1
1.2	Modified	2
1.3	Fixed	2
2	Release: 4.13	2
1.4	Added	2
1.5	Modified	2
1.6	Fixed	2
3	Release: 4.20	3
1.7	Added	3
1.8	Modified	4
1.9	Fixed	4
4	Release: 4.22	5
1.10	Added	5
1.11	Modified	5
1.12	Fixed	5
5	Release: 4.23	6
1.13	Added	6
1.14	Modified	6
1.15	Fixed	6
6	Release: 4.24	6
1.16	Added	6
1.17	Modified	7
1.18	Fixed	7
7	Release: 4.25	7
1.19	Added	7
1.20	Modified	7
1.21	Fixed	7

1 Release: 4.10

Release Date: May 14, 1997

1.1 Added

1. Support for multilanguage projects.
2. Support for Remote Pass-through operation.
3. Support for Report Printout.
4. [FW33], [FW37] Support for Alarm LED in the TP01R-16 type keyboard.

1.2 Modified

1. Changed handling of buzzer. When buzzer operation is enabled in project file, then the buzzer works both as keyboard feedback and can be controlled by protocols such as the VT100.
2. Modified handling of key “-“ (minus) in Data Entry Mode. Now this key always toggles the sign of the numeric value being entered.
3. Modified display of ASCII strings. Now they can overlap static bitmap objects.

1.3 Fixed

1. Run-time modified password values were not saved after power-down. This point was already solved in preliminary version 4.09I.
2. Corrected problem with the Step macro command. It did not work properly over Control Variables.
3. Fixed bug for printing. There was not support for printing “Form Feed”.
4. Corrected problem in scalable fonts with special (PLC specific) data types. Fields of special data types were not supported in double, large and extra large size.
5. Fixed bug in overlay display.
6. [FW33], [FW37] Fixed bug related to the usage of the F15 key. It did not work properly when used with the Begin Data Entry macro command.
7. Fixed improper use of DL (keyboard feedback) LED which signalled communication errors even when a specific communication status LED was available.
8. [FW33], [FW37] Modified touch screen control driver.
9. Fixed one bug in report printing.
10. [FW33], [FW37] Modified printer driver and printer control by mailbox.
11. [FW33], [FW37] Fixed bug in LED COM and LED DL handling for keyboard type 17.

2 Release: 4.13

Release Date: December 10, 1997

1.4 Added

1. Added support for Message Strings and Alarm messages up to 80 characters.

1.5 Modified

1. Modified data entry mode for numeric field. Modified insert/overwrite operation when cursor is moved left/right.

1.6 Fixed

1. Corrected problem in the detection of a valid project file stored in Flash Memory at start-up. The problem is definitely not frequent and only experienced in some units without the back-up battery option. The problem manifests with the unit not going to Operation Mode at start-up even if a valid project is loaded.

2. [FW32] Corrected problem in the presentation of horizontal bargraphs in text mode units.
3. [FW32], [FW33], [FW37] Corrected a problem in the Report Printout feature. The problem resulted in incorrect printout of pages containing only one data field.
4. [FW32], [FW33], [FW37] Corrected a timing problem in the report printout features resulting in some data missing when printing pages with a large amount of data fields.
5. [FW32], [FW33], [FW37] Corrected problem of starting a Report Printout through keys when password protection is activated.
6. [FW32] Corrected the repetition frequency of the auto-repeat option of the Macro Editor.
7. [FW33], [FW37] Corrected operation of increment and decrement macro action. Language selection by INC/DEC the control variable did not work properly when the action was assigned to a touch cell.
8. Corrected problem with the mailbox command Set Recipe Transfer Priority which did not work properly.
9. Fixed bug in data entry mode in indexed variables. It did not work when the selector was out of min/max range: instead of reporting an error it erroneously made writing to the last valid selected variable.
10. [FW32] Corrected problem in LED blinking when running the Profibus DP protocol.
11. [FW32] Fixed bug with operation of LED 65 in keyboard driver 21.
12. [FW37] Fixed bug causing system crashes when displaying large bitmap objects. Display is now faster.

3 Release: 4.20

Release Date: September 14, 1998

1.7 Added

1. Added Recipe menu.
2. Added Multipage Recipe support: only one multiple-page recipe is supported.
3. Added support for optimised recipe transfer.
4. Added support for 32KB of Recipe Memory when large RAM size is installed; the memory recognition size is dynamic.
5. The number of supported bitmap is increased to 2048.
6. [FW33] Added support for bitmaps bigger than 32KB
7. [FW37] Added automatic temperature compensation of display contrast.
8. Added "Passthrough Status" control variable.
9. Added Step UP / Step DOWN macro handling for Passthrough Status control variable.
10. Added options for selective logging of alarms to event list.
11. Added option for showing alarms and events without date and time information.
12. Added support for event list size up to 1024 entries.
13. Added option for disabling FAULT LED blinking for low battery alarm.
14. Added support for multilanguage in touch cell text.
15. [FW37][FW38] Added support for dynamic colour attributes.
16. [FW33][FW37][FW38] Added indication for MIN and MAX values in default data entry screen.
17. Added macro commands for field selection with scroll in data entry page.
18. Added support for language change from special pages.
19. Added support for automatic listing of multiple TCM modules in System Menu.

1.8 Modified

1. Update of communication optimisation data base after data entry: after data entry value is written to PLC and if the field is optimised then the same value is written also to data base of optimised messages.
2. Return from event list to page mode when event list is cleared is immediate and not after 2 seconds.
3. Modification of data entry procedure for bit variables (to enable only digits "0" and "1").
4. [FW33] Recall of emergency touch screen calibration procedure has been revised.
5. Graphical report printing to IBM ProPrinter using larger buffer for higher speed.

1.9 Fixed

1. In Recipes the selected Parameter Set number now is not reset to 0 at power-up.
2. [FW32], [FW33], [FW37] - Pass-through with A-B DF1 protocol resets UniOP
3. System Menu message errors related to pass-through "PASS-THROUGH" → "OFF_LINEOUGH"
4. [FW32] On 20 columns display in System Menu when pass-through was switched on then PLC status was wrong: "COMM ON 05" → "PASSTHR 05"
5. [FW32] VT100 protocol did not support blink and highlight character attributes.
6. Fixed bug related to Begin Data Entry procedure and go to page.
7. [FW33] Background printing in text mode with reverse attribute on the page.
8. Background printing and page forced by PLC with RDA.
9. Large Size Fonts Synchronisation for better display quality.
10. [FW32] Fixed problem with COMM LED blinking with Profibus protocols.
11. Bit S5 in RDA was not set in the case of password protected keyboard macros.
12. [FW38] For TFT displays has been removed the contrast adjustment in System Menu.
13. [FW33], [FW37] Bitmap synchronisation for default touch keyboard.
14. Pressing display for 2 seconds on an empty field to obtain Command Menu coded as special key 0x77 (119) to avoid use of the ENTER key.
15. Recipe locking during data entry sessions. The bug was that recipe locking checked FieldNr+1 instead of FieldNr. Practically it results with locking if data entry is performed on non-recipe-field whose "next field" is recipe field. Also locking is not activated on recipe field if "next" field is non-recipe field
16. Request task resets items PageNr and FieldMsgNr in Request Buffer to zero for users which do not contain valid page/field number; before there remained in the buffer previous value from previous request.
17. Mailbox command Request Data Entry was rejected if bit C1 (disable data entry) in RDA PCW was set; correct situation is that mailbox request for data entry must not check that bit.
18. [FW33], [FW37] Wrong parts of touch key bitmaps displayed on default touch key.
19. [FW33], [FW37], [FW38] Alarm and Event mode list display only 24 rows; large time and date bug.
20. [FW33], [FW37], [FW38] Fixed problem with Bitmap scrolling.
21. [FW33], [FW37], [FW38] Fixed problem with scroll of rows 30, 31 and 32.
22. [FW32] Bad blink and highlight on text display.
23. [FW33] Fixed problems with bitmaps updating when only part of bitmaps have to be refreshed.
24. Fixed problem with multiple scroll macro in Event and Alarm lists.
25. Fixed problem with Data Entry on STI fields. The bug was in the scroll UP and DOWN when there were some empty messages.
26. Fixed problem with empty pages during background printing.

27. Fixed bug with wrong values MIN/MAX for indexed variables
28. [FW32] Corrected representation of date & time in Event List printout.

4 Release: 4.22

Release Date: June 14, 1999

1.10 Added

1. [FW33] Automatic contrast regulation on all monochrome LCD graphic displays.
2. Screensaver control through mailbox commands.
3. Added support for communication speed up to 57600 baud on the PLC port. Speed is still limited to 38400 in models without PC/Printer Port.
4. Added support for alarm messages up to 40 characters in displays 2x20 and 4x20.
5. [FW33], [FW37], [FW38] Added support for touch screen in panels with keyboard.

1.11 Modified

1. Increased indexed addressing mode limitation.
2. [FW33], [FW37], [FW38] Touch screen performance increased.
3. Performance of background report printout has been increased. Report printout is no longer stopped during data entry or when UniOP is in alarm mode or other system modes.
4. Date and Time in RDA are updated immediately after the Time and Date Set page is closed.

1.12 Fixed

1. Removed indication of MIN/MAX values in Data Entry page for ASCII fields.
2. Corrected presentation of MIN/MAX limits in Data Entry page for fixed point values.
3. Corrected presentation of MIN/MAX limits in Data Entry page for floating point values.
4. Removed old contents of the input field in customised Data Entry pages.
5. Momentary pushbutton did not perform the action associated with the release state, when the fingers is moved out of the cell while pushing on the touch.
6. Corrected incomplete printout when packing option is selected.
7. Fixed display refresh problem visible sometimes when double/large/extralarge font fields are present together with Date and Time fields in the same page.
8. Fixed bug with refresh of dynamic graphics.
9. Fixed problem with page colors when on-page customised Data Entry Page is used.
10. Fixed some problems due to screen saver behaviour with EL displays.
11. Screen saver disabled printing jobs.
12. [FW38] Fixed color rasterisation when printing from TFT color displays.
13. Fixed bad behaviour when the Report Trigger functionality is forced by changing manually Data and Time.
14. Fixed problem with Page Request register handling during Report printout.
15. Fixed bad Alarm Page behaviour. In some cases the “last keystroke” condition was not correctly handled.
16. [FW33], [FW37], [FW38] Fixed bad behaviour with “Momentary push Button”. Problem is visible when the user is holding down the touch cell and the panel goes in a Special Page:

UniOP did not write "0" to the Controller. Now when the panel enter a special page, all the memory locations associated to Momentary Push Buttons are cleared.

17. Fixed editing of indexed fields.
18. Fixed Report printout problem: it appeared as communication errors only for protocols using TCM modules.
19. [FW32] Fixed communication problems when UniNet is enabled together protocols that use TCM Modules.

5 Release: 4.23

Release Date: November 10, 1999

1.13 Added

None.

1.14 Modified

None.

1.15 Fixed

1. [FW33] Corrected bug in the automatic temperature compensation of the LCD contrast. The bug may have resulted in occasional and temporary loss of contrast in some units.
2. [FW38] Fixed bug causing the loss of functionality of SSFDC memory cards. The bug appears as a result of a rather complex sequence of operations.

6 Release: 4.24

Release Date: February 28, 2000

1.16 Added

1. [FW38] Support for 8MB SSFDC memory cards. Requires appropriate CPU board.
2. [FW32], [FW33], [FW37], [FW38] "Message only" alarm option. The alarm LED is not turned on.
3. [FW32], [FW38] "Cellular style" ASCII data entry for models with the ASCII keyboard.
4. [FW32], [FW33], [FW37], [FW38] Enabled support of floating point data types for bargraphs.
5. [FW32], [FW33], [FW37], [FW38] Support for SCM03-based internal controller
6. [FW32], [FW33], [FW37], [FW38] Added recognition of UIM03 and UIM04
7. [FW32], [FW33], [FW37], [FW38] Support for additional manufacturers of Flash chips.

1.17 Modified

1. [FW33][FW37][FW38] Touch cells update optimization.

1.18 Fixed

2. [FW32] Fixed problems in cursor presentation for small graphic displays.
3. [FW32] Corrected background printing problems when TCMxx are present
4. [FW33], [FW37], [FW38] Corrected problems in handling touch cells in presence of communication errors.
5. [FW32], [FW33], [FW37], [FW38] Corrected execution of macros programmed in the Released state of the key on change of project page.
6. [FW32], [FW33], [FW37], [FW38] Corrected operation of step auto-increment in fast auto-repeat macro mode.
7. [FW33], [FW37], [FW38] Corrected problems in touch cells when UniNET is enabled.
8. [FW33] Improved operation of keyboard when using TCM modules with high interrupt rate.
9. [FW32], [FW33], [FW37], [FW38] Number of current parameter set in recipes is initialized to 0 if recipe data is not valid in RAM.
10. [FW32], [FW33], [FW37], [FW38] Removed filtering of characters with ASCII code > 127 in the page hardcopy function.
11. [FW32], [FW33], [FW37], [FW38] Corrected problem in report printout with the Suconet K protocol.
12. [FW32], [FW33], [FW37], [FW38] Corrected double word inversion in the Data Transfer function.
13. [FW32], [FW33], [FW37], [FW38] Fixed problems in indexed addressing.
14. [FW32], [FW33], [FW37], [FW38] Fixed bug in the presentation of maintained illuminated pushbuttons.

7 Release: 4.25

Release Date: July 12, 2000

1.19 Added

None.

1.20 Modified

None.

1.21 Fixed

1. [FW3x] Step macro commands were not working when initial value was out of allowed range for Data Entry.

2. [FW32] Fixed bug visible only on VFD displays. The problem was visible with a panel reset when exiting from Alarm Page using the Clear key
3. [FW32] Fixed problem visible only using Suconet K protocol. The problem was visible with a panel freezing when printing report under certain conditions.
4. [FW32] Fixed problem visible only using Suconet K protocol. The problem was visible in missing data fields during report printout.
5. [FW33], [FW37] Fixed problem visible in Communication Error using UniNET. Problem was visible with communication errors reported by a Client panels during writing operations.
6. [FW3x] Communication protocols based on TCMxx modules did not work properly when UIM board was used.
7. [FW32] Fixed problem visible in random contrast change when keyboard buffer is full. The situation was typical of a very fast page change.
8. [FW33], [FW37], [FW38] Macro commands programmed in the released state were not executed when page was changed via PR register in RDA.
9. [FW32] Fixed problem visible in panel frozen when scrolling the Event List.
10. [FW33], [FW37], [FW38] Maintained push buttons did not behave correctly (sticky buttons).
11. [FW33], [FW37], [FW38] Illuminated push buttons did not behave correctly.
12. [FW3x] The panel did not return correctly to the operation page when the Help page for alarm was used.