

# FDC Envision Release History

## Updates Corrections for version V1.2 on 08-10-2016

Release config: August 10, 2016, 7:50:32 AM

Release Runtime: August 10, 2016, 7:50:59 AM

1. History screen method "plotHistData" modified to force divide of history plot span (date/time value) to 4 major ticks for labels. This allows XAxis labels for time to be displayed when large amounts of data (more than 1 month) are plotted. If Window is sized too small to see date/time labels, the labels will be displayed as soon as history plot window is resized for proper label fit.
2. nCompass LC faceplate method "setupFaceplate", modified to display correct tagname for loop 2.

## Updates Corrections for version V1.1 on 10-30-2013

Release config: October 30, 2013, 6:41:53 PM

Release Runtime: October 30, 2013, 6:42:11 PM

1. Update nCompass faceplate to correct decimal position for PV/SP to match config settings for dual loop operation
2. Update nCompass faceplate to correct loop1/2 setpoint precision write to match config settings for dual loop operation
3. Update nCompass faceplate setupEvents to reload list view with correct event names when devices are changed from the drop down.
4. Updated main communication read from nCompass device to enter the proper PV/SP value scaled into array for loop 2. Was using scaling for loop 1.
5. Updated Digital values screen for PSeries controllers. Device type does not require scaling (+19999) during writes.
6. Updated Tune settings screen. Modified to be compatible with latest Win7 update/patch.
7. Update Logging overview so scroll bar would remain at last setting set by user while scrolling through list of devices to data log.
8. Updated User soft alarms so deadband field is set to precision of selected tags decimal position.
9. Updated logging overview to correct scrollbar issue which was being reset to top of list each time list was updated.

## Updates Corrections for version V1.0 on 09-18-2013

Release config: September 18, 2013, 4:26:16 PM

Release Runtime: September 18, 2013, 4:26:39 PM

10. Addition of nCompass LC and CM devices/faceplates/functions to config and runtime.
11. Deletion of Orion-SR device type since no longer supported
12. Corrected scaling of units (clsScaling) so all readings on screens would match formatting of decimal selection in configuration.
13. Corrected bug in pSeries interface that zeroed out ramp/dwell times when holdback dropdown value was modified for stage.
14. Modified pSeries/LC profile entry so new profiles would default to low setpoint limit for all setpoint when profile is created. This allows user to see what the limits are when making first entries of a profile.
15. Modified pSeries/LC profile entry so when entering dwell/ramp steps, the loops setpoint(s) will default to the previous ramp setpoint values since dwell/ramp steps use no setpoints. If

# FDC Envision Release History

- user changes a ramp step after the initial entry, the dwell step will only be updated if the user enters the dwell field.
16. Modified pSeries/LC profile entry so "End" steps will default jumps steps/cycles to a value of 1 with no editing allowed.
  17. Modified Orion/nCompassCM/nCompassLC functions for profile download and profile start to check if the unit is offline or downloading a profile locally before the remote PC download is allowed.
  18. Text in application "FDC" (other than security) has been changed to "factory" for easier OEM modification.
  19. Text in application "Future Design Controls" has been changed to "The application" for easier OEM modification.
  20. Export schedules modified to pass current device and device schedule directory to form object to handle different profile directory structures for future devices.
  21. Time fields modified for format of xx.xx for either hours/mins or mins/secs.
  22. Protection added to Orion/nCompass faceplates so profile cannot be started or downloaded while in "offline" mode.
  23. Bug corrected in data log overview screen to order rows/devices properly if devices are not activated in order in the controller setup area.
  24. Security item "Access Device Detail" was set incorrectly for pSeries and "LC" faceplates. Setting item 8 ("Access Device Detail") is global and will disable access to all detail devices faceplates including OEM faceplates.
  25. History plot bug corrected. History plot did not plot selected data correctly when history plot window was already visible and the history plot trend setup was modified. Properties used for trend tacking style (in history trend setup "Done" button) were removed since properties are already set when History plot window is first made visible from history grid icon bar.
  26. Detail faceplates updated to automatically update profile plotting any time a new profile is opened when the profile plot is visible on faceplate
  27. Text for operator events included in historical plot trend. Operator events can be selected from historical data spreadsheet for view with historical trend plot data.
  28. Corrected audit trail write from mini controller faceplates. Audit trail write now includes tagname modified as well as previous and new SP values.
  29. Modified Export schedule window text to generic description for export of schedules/profiles.
  30. ToolTip text corrections made for tool bar buttons on device detail windows.
  31. clsScaling method formtTempCard updated so conversion of C/F is done by programming of hardware on card and not by runtime software.
  32. pSeries and LCseries profile entry grid updated so ramp and dwell steps do not allow entry of jump steps or jump cycles. Jump step and cycle allowed on jump step. Jump cycle only allowed on end step.
  33. Real time trends time method "AddYNow" replaced by method "AddXY". Win7 professional issue (or patch/update) affected trend update and would not allow trend to display or trend values.
  34. Frm\_MainFacePlate method "profRunBtn" passes profile start step and profile start registers to object frmSchedStart. This allows the caller from any custom OEM faceplate to pass the required values for profile start to a common form object.

# FDC Envision Release History

Release config: November 05, 2012, 8:46:59 AM

Release Runtime: November 05, 2012, 8:46:38 AM

35. Profile entry for Orion systems only allowed max hour for segment of 99. Bug corrected so entry allows 999 to match Orion system hour's entry.
36. All text fonts in config and runtime changed to Tahoma to match Windows 7 (and up) OS's since msSans Serif is no longer supported in new OS screen scaling modes. Since old bitmap fonts (msSan Serif) no longer supported, fonts extend past text object bounds and you cannot read screen properly.

## Updates Corrections for version V\_P0.3 on 05-10-2011

Release config: May 10, 2011, 10:05:48 AM

Release Runtime: May 10, 2011, 10:08:43 AM

37. Data file search bug when selecting "Search Known Directories". Code was looking for "Log Files" instead of full default path selected by user.
38. Data File Search form (form\_Load code) did not lock search result grid when first displayed and one row was visible. User could click and type in row field which should not be allowed.
39. Data File Search form (fileGrid\_Click code) should check to make sure row field is not empty after search when user clicks in grid.

## Updates Corrections for version V\_P0.2 on 05-02-2011

Release config: May 02, 2011, 3:24:45 PM

Release Runtime: May 02, 2011, 3:25:55 PM

- 1.) P-Series bug corrected for profile download. Ramp time was converted to integer and then multiplied by 100 which caused decimal values (0.75 HH:MM) to be converted to 0. Correction made to multiply by 100 and converted completed value to integer.
- 2.) P-Series profiler modified so ramp and dwell fields will only accept values if segment is set for ramp or soak. If set for ramp, any values for dwell field are set to 0. If segment is set for dwell, any values for ramp are set to 0.
- 3.) P-Series profiler modified so any time the step type is changed ramp and dwell values are reset to 0 so user inputs new values any time the step type is changed.
- 4.) DeviceLogSetup bug corrected. Log on profile start and log on digital did not save properly when "save" button was pressed. These user values set were not read correctly on the next startup of the program. These values only save when the window is closed so if a profile is running or digital switch is on (for logging), the data file will not start until the modal dialog is closed.
- 5.) P-Series profile code (setupProfGrid, rampUnitsChangeCombo) modified to force profile ramp cell to 55.99 or 99.59 to match written specifications.
- 6.) Web server code modified to handle both Orion (Mi and SR) as well as P-series profile updates to web page for each device on link.

## Initial Release V\_P0.1 on 03-8-2011