

Quantum HD Unity Evaporator Control OS Release Notes

(Latest to Earliest)

RELEASE NOTES FOR 11.00

Evaporator Zone Names

- Changed the name of the zones in notification emails to reflect the User Defined name.
- Updated the modal on the “Report” page to use the User Defined name for zones.

Global Digital IO

- Fixed an issue that prevented the Main Hot Gas IO from being re-assigned under the “Global Digital IO” page

Email - SMTP Factory Settings #2

- Fixed an authorization mismatch that caused emails and notifications using the Factory Settings #2 option to fail to send

Add Factory Card Page

- Fixed an issue preventing a user from opening the System Overview menu modal while accessing the Add Factory Card page

Panel Temperature Selection

- Fixed an issue where changing the temperature units from F to C or C to F was not distributed to all products within the Quantum HD Unity Network

Panel Pressure Units

- Added kpaG as an option to the pressure units dropdown on the panel page

Setpoint Maintenance

- Established the length of a Saved Setpoints filename, preventing the Submit button on the Restore Setpoint page from being pushed off the page
- Added a check to prevent the entering of invalid characters while saving a setpoints file that caused the save function to fail

Clean Screen Timeout

- Changed the default timer for the Clean Screen feature from 1 minute to 30 seconds
- Changed the units for the Clean Screen timer to be seconds rather than minutes

URL Field

- The URL field has been removed from the Edit page in the product list

About Screen

- Added additional fields to the “About” page that shows the board type, distinguishing between Q5 and Q6 processors
- Added range checking to the Sales Order Number and Item Number fields on the “About” page to ensure the numbers entered are valid
- Changed the card field to now display the storage architecture being used in the system

Network Restore

- Fixed an issue where the network settings were not changed to default values after performing a network restore via the DIP switch

Security - Restore Default Users

- Added a feature that automatically Logs Out a User if they choose to restore default users while not logged in as one of those groups

Security Users

- Fixed an issue where a default user level (Basic, Operator or Service) could be deleted if it was first moved to another user level
- Added code that requires a new Security User to have a PIN code before they can be added to the list of users
- Added code preventing the loss of the PIN code when editing a Security User

Remote Users Page

- Added a “Session List” to the Security page that allows a user (local or remote) to see other users who are or have been remotely logged in to the panel

Number Entry

- Added code to make the displayed keypad consistent when clicking on a setpoint field in an unexpected way

On Screen Keyboard

- Corrected the Shift and Caps Lock functions on the on-screen keyboard

Network Configuration

- Added a check that prevents the entering of invalid network configurations which cause the controller to malfunction.

IP Address Range

- Added a check that prevents the entering an invalid IP address and port number which causes the controller to lose connectivity with other Quantum HD Unity products

Compressor Overview

- Fixed an issue on the System Overview page where a Unity product in “Shutdown” was incorrectly shown as being in a “Warning” state

Remote Auto Login

- Fixed an issue where Auto Login failed when the Quantum HD Unity network contained more than one compressor controller

Networked Product O.S. Version Message

- Changed the Network List page updating the message requiring all Unity products to be O.S. version 10.40 or later

RELEASE NOTES FOR 10.51

Missing Report Data

- Fixed an issue where reports were not generated with the correct values when the trending interval was changed from its default value of one minute.

System Operating Values

- Fixed an issue that occurred when attempting to add a System Operating Value to the home page where the screen would turn white and the server would become unresponsive.

Liquid Run Timer

- Fixed an issue where the Liquid Run Timer was not updating properly when the Evaporator temperature was between the Liquid On and Liquid Off setpoints.

Refrigerant Sensor Naming

- Fixed an issue where the user could enter non-unique sensor names on the Global Refrigerant Detection screen.

Alarm/Event Notifications

- Fixed an issue where alarms and event emails would stop sending.

Mode Scheduling

- Fixed an issue where changing the mode dropdown value on the Mode Scheduling page was not updating correctly and displaying incorrect values.

Ping Command

- Changed the Ping Command function on the Diagnostics Page to now display the entered IP address and to execute the ping when the corresponding button is pressed.

RELEASE NOTES FOR 10.50

Watchdog Jumper Update

- When the watchdog jumper process is initiated to clear setpoints, all settings are returned to factory defaults.

No Comms Message

- Fixed issue where if a loss of comms occurs, the wrong error message would display on Compressor Overview page.

Product Scroll (System Networking)

- Allow page to scroll if there are more products than can be displayed on the screen.

Software Upgrade Limitation

- Only allow upgrades to a newer version. Changing the program to a previous version is no longer allowed.

Enhance Saved Setpoints

- When setpoints are saved, folder now includes product and software version name in name.

Security/Users Scroll

- Added ability to scroll through users when there are more users than can be displayed on the page.

Product Selection Banner

- Updated look and feel of product selection banner. Lowered product selection dropdown, updated dropdown text to "Product Selection" and made product name text display.

Portuguese (Brazilian) & Spanish Language

- Added Portuguese & Spanish languages to the product.

Language change on all products

- Fixed issue where language would not update on all connected products.

Rage limit for Ammonia Sensor Inputs

- Increased the High Range on the Analog I/O config for Ammonia inputs to 20,000 PPM to align with the Engine Room control range.

RELEASE NOTES FOR 10.40

Zone Operation State

- Fixed issue where If the user is logged out, the Operation value (Off, Cooling, Defrost, Satisfied, etc.) now updates when navigating between zones.

Start Defrost button

- The Start Defrost button is now disabled if the user is not logged in or if the Zone Active / Off status is set to Off.

Heating - Current Stage

- When on the Home page and the zone goes into Heating mode, the Current Stage now updates from Off to Pump Out.

Home Page – Mode Control Error

- Fixed issue with mode control logic.
- Fixed confirmation modal to give the option to select Yes or No.

Cross Product Communication

Pressure Calibration – Pressure Resolution and Atmospheric Pressure

- Added Atmospheric Pressure setting to all products
- The Pressure Display Resolution was added to handle special compressor applications. This was removed from other applications.

Sub-Navigation (Tabs)

- Sub-Navigation options are now a tab rather than just text.

Alarms – Clear Safety History

- Added confirmation of “Are you sure you want to clear the Safety History?” when clicking the Clear Safety History button.

Cont’d

Networking

- Added a “Add Factory Card” feature that allows you to commission a card on the Unity System where the Unity System’s Gateway has been altered from the original settings.
- You can now successfully restore Setpoints on a panel where the Unity System’s Gateway has been altered from the original settings.
- You can now successfully perform a system upgrade on a panel where the Unity System’s Gateway has been altered from the original settings.

RELEASE NOTES FOR 10.32

- Implemented the zone data (temp) reporting feature (via E-mail)
- Fixed issue where trending data and column headings did not match up properly in the spreadsheet created for download
- Fixed issue where the column heading names were incorrect for auxiliary analog inputs
- Added logic to clear all trending data on command (Service level)
- Changed logic to generate a High or Low Temp warning for a zone only if the zone is active (running)
- Fixed issue where Low Temperature Alarms would occur even when the Evap Temp was within the proper temperature. This happened when the "Zone Active/Off" setting was set to Off. If the Zone set to Active, the Low Temp alarm functions correctly
- Fixed Soft Hot Gas option where setpoints should be hidden if Soft Hot Gas is disabled.
- Fixed setpoint issue on Zone Heating Page for zones 2-30 if enabled where the incorrect values were displayed
- Added code to ensure that zones stay in order on System Overview

RELEASE NOTES FOR 10.31

- Implemented a Defrost Termination signal, initiated by either a push button or digital input
- Corrected issue where sales order number was being incorrectly formatted for the HMI if the 4th digit happened to be 0

- Added more spaces to the beginning of a wrapped line in a comms log file

RELEASE NOTES FOR 10.30

- Corrected an issue where upon power up, the IP address would reset to 192.168.0.172 and the processor would reboot if a jumper is detected on JP1 pins 7 & 8 of the Communications Interface board
- Corrected an issue where the IO integrity Check logic did not catch certain conflicts in I/O configuration
- Corrected an issue dealing with the conversion of Hg (negative) pressures when the Atmospheric Pressure was set to something other than 14.7 PSI
- Changed timer data to be displayed in the format of [mm:ss]
- Corrected an issue where the Evaporator controller would boot directly to the Home screen rather than the System Overview screen when not connected to any other controller (Ethernet)
- Enabled text entry with physical keyboard