

Release Notes

AcuAir HD Unity

Version Q6 12.21

Security Updates

- Applied several security updates

Analog Auxiliary Custom Names

- Fixed an issue that caused custom names to not be saved

Version Q6 12.20

Security Updates

- Applied several security updates

Common Release Notes Q5 11.12/ Q6 12.12

Software Upgrade – MD5 File Validation

- Added a validation process to the software upgrade process to ensure a software upgrade package has not been corrupted or altered

Notifications – Mobile Phone

- Implemented a toggle on the Security page to allow a user to optionally receive mobile notifications in addition to the standard email notifications for events and alarms

Notifications – Improved Failure Feedback

- Added Event feedback notifying the user if and why a Notification Email failed to send

Security Improvements

- Removed debug features

Common Release Notes Q5 11.11/ Q6 12.11

Indirect Burner Control

- Allowed the Indirect Fired Burner to operate regardless of the Economizer Mode Status (On or Off).

Defrost – Flooded Coils

- Removed the Hot Gas Defrost options from the available Defrost Configuration selections when a unit is configured for Flooded cooling.

Defrost Status – Additional Information

- Added additional defrost status information to the Operating Status Page, Defrost Configuration Page, and the common page banner, including which coil is in defrost, the current defrost stage, and defrost cycle time remaining.

End User License Agreement

- Added an End User License Agreement to the product that must be accepted before the software is used. An online version of the EULA can be found at the following address: johnsoncontrols.com/buildings/legal/digital/generaleula

Exhaust Fan Running Confirmation Safety

- Improved the logic of the Exhaust Fan Running Confirmation Safety by generating Warnings and Alarms for Fan C, in addition to Fan A and Fan B.

Screen Calibration Confirmation - Popup

- Fixed an issue where a Calibration Success pop-up was not being displayed until navigating away from the Home Page after performing a successful screen calibration.

Downloaded Trending Data – Status and Mode Information

- Added a Status and Mode column to the Trending File that is downloaded from the Trending Page. These columns indicate the Unit Status (O=Off, R=Running, S=Starting) and the Unit Mode (P1=Process, P2=Process 2, C= Cleanup).

Burner Door Switch – Inputs

- Consolidated the Indirect Burner Door Switch and Direct Burner Door Switch digital inputs into a single Burner Door Switch input. This input is now used for both burner types.

Unity Network – Product Selection Redirect

- Implemented a page redirect when attempting to navigate to another control panel within the Unity Network that is powered down or otherwise inaccessible. This prevents being redirected to a 404 error page.

Supply Fan MSP Dropdown – Inaccessible

- Fixed an issue where the Supply Fan MSP dropdown would be displayed off the screen when certain configuration options were selected.

Make Up Air Unit – Economizer Disable

- Changed the Economizer to always be disabled when a unit is configured for Make Up Air.

Sensor Types – Updated Defaults

- Changed the default sensor signal type of the Outside Air Temperature analog input to 4-20mA.

UV Light – Bulb Hour Timer

- Added a timer to track the run hours of the UV light bulb.
- Added a service interval on the UV Light Timer maintenance page that notifies the user when a UV light bulb needs to be replaced.

Operating Status Page – Indirect Burner

- Removed the Indirect Burner from the Analog Status section. The burner status is indicated by the Supply Burner in the Status section.

Maintenance Page – Broken Link

- Fixed a broken link in the User Defined section of the Maintenance Page in the Service menu. This prevents being redirected to a 404 error page.

Language – Missing Text

- Fixed several instances of translated text being displayed incorrectly.

Indirect/Direct Burner Switching – I/O Issues

- Fixed an issue causing several analog and digital I/O channels to maintain their previous configuration when they are disabled while switching between Direct and Indirect Burner control and vice versa.

Sequential Defrost Configuration – Air Defrost Option Removed

- Removed Air Defrost Option from the Cooling Control section on the Unit Configuration page and renamed Sequential Defrost to Sequential Air Defrost. The Air Defrost option is only used with the Sequential Defrost option.

Common Release Notes Q5 11.10 / Q6 12.10

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Supply Fan – MSP Safeties

- Changed the Supply Fan MSP from a warning to a shutdown and changed the associated delay from 10 seconds to 2 seconds

Economizer – Cooling Control Setpoint

- Fixed an issue where the Economizer control would not modulate the Outside Air Dampers based on the Control Temperature Setpoint

Unity Network

- Fixed an issue where a change to Temperature Units was not distributed to other connected Unity products
- Fixed an issue where an AcuAir panel being viewed remotely from another AcuAir panel was not indicating that it was being viewed remotely
- Added a grayscale layout that will be displayed when an AcuAir panel is viewed remotely

System Operating Values

- Updated the order of the System Operating Values shown on the Home Page to match the order they are displayed in the selection modal
- Added the ability to select Digital Aux Inputs in the System Operating Values selection modal

Digital Aux Output – Control Input Selections

- Fixed an issue that was causing the Refrigerant Detection input to not be displayed in the list of Control Inputs

Lockout – Outside Air Temperature

- Removed the Outside Air Temperature Lockouts for Heating, Cooling, and Smart Burner

Discharge Heat – Command Value

- Fixed an issue where the percentage value displayed on the Discharge Heat page was always showing as 0% in both Process and Cleanup

UV Light – Output Logic

- Updated the UV Light logic to only energize when the unit is in Process 1 or Process 2 mode

User Interface - Updates

- Updated “Control Temperature” to “Process Control Temperature” on the Unit Configuration page
- Changed the location of the “Yes” and “No” options in several pop-up notifications for consistency
- Added logic to the Exhaust Control dropdown to hide and show associated setpoints based on the selection
- Added the Panel Temperature to the Operating Status page
- Removed the unused Superheat Outputs from the Analog Configuration page

Sensor Outputs – 0-10V

- Added a 0-10VDC option to the selectable Analog Sensor Outputs and changed the Supply Burner Analog Output to default to 0-10VDC

Map File

- Fixed an issue that was preventing the Map File from being uploaded or downloaded remotely
- Updated the default values for the Map File

Discharge Temperature Low Limit - Safeties

- Added separate Discharge Temperature Low Limit safeties for Process and Cleanup

Setpoint Restore – IO Boards

- Fixed an issue where the incorrect number of IO boards were identified after restoring setpoints to their default values

Page Navigation Error

- Fixed a link on the Maintenance page that caused a 404 Page Not Found redirect error

User Actions – Analog Aux Names

- Fixed an issue that prevented user entered Analog Aux names from displaying properly on the User Actions page

Trending – Analog Aux Names

- Fixed an issue that prevented user entered Analog Aux names from displaying properly on the Trending page

Trending – Download

- Added the ability for all user levels to download trending data

Software Page – Setpoint Entries

- Fixed an issue where too many locally saved setpoints would not fit on the page

Touchscreen Driver

- Added a Q6 processor board (640D0198H02) touchscreen driver

Common Release Notes Q5 11.03 / Q6 12.03

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Min Damper Setpoint – Process 1

- Fixed an issue where the Process 1 and Process 2 Min. Damper Setpoints were reversed.

Defrost Coil Dampers – Control

- Added control and I/O to support Defrost Coil Dampers which can be used with Sequential Hot Gas Defrost. There are 3 Digital Outputs that each turn On to close the individual coil damper while that coil is in defrost. There are 3 Digital Inputs to track the state of each damper, and the input will trigger a Warning if the Digital Input state does not follow the output, indicating that the damper is stuck Open or Closed.

Burner Modulation Selections – Direct Burner

- The Burner Modulation Selections are now shown on both the Indirect and Direct Burner pages. In the prior version, they were not shown on the Direct Burner page.

Defrost – Button Fix

- Fixed an issue where pressing the defrost button was not initiating a defrost.

Exhaust Fan – Option to Turn Off

- Added control and setpoints that will allow the Exhaust Fans to cycle off if the room pressure is below the control setpoints. The new setpoints are **VSD On** and **VSD Off Delay**, and they are on the Exhaust Fan setpoints page. If the Exhaust Fan Command % is greater than or equal to the **VSD On** setpoint then Exhaust Fan A will turn On. If the Exhaust Fan Command % is less than the **VSD On** setpoint for the **VSD Off Delay** period, then Exhaust Fan A will turn Off. If the **VSD On** setpoint is set to 0%, then Exhaust Fan A will always remain On.

Screen Update – Local Pages

- Fixed an issue that was causing several pages that should only be viewed locally to be displayed while remotely viewing the panel. This includes pages like Screen Calibration.

P/I Control – New Feature

- Added a P/I Control page under the Configuration menu where P/I Setpoints can be configured.

Direct Fired Burner and Supply Fan Open Door Warnings

- Changed the Direct Fired Burner and Supply Fan Open Door Warnings so that they occur even when the Board or Channel is not configured. These inputs should always be used, and we do not want users to have the option to disable the inputs to eliminate the warnings.

Freeze Data – Updated Selection

- Updated the selectable options in the Freeze Screen Selection modal.

Maintenance Screen – Added

- Added the Maintenance screen under the Service Menu to match the functionality that existed in the LX AcuAir software. In addition, the Run Hours setpoint was added to the Misc. Setpoints page so that the Run Hours can be adjusted if needed.

Digital Aux Outputs – Outside Air Temperature

- Fixed an issue that was causing the value of the Control Input for Outside Air Temperature to always display 0% instead of the actual Outside Air Temperature.

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Supply Fan – Transition Delay

- Added an option to enable a transition delay of 2 minutes when the unit transitions from Cleanup to a Process mode. This option has been added to the Unit Configuration Page.

Heating – Fixed Stage Heating Setpoints

- Fixed an issue where the Cleanup Heater A and Cleanup Heater B setpoints were being stored in the wrong memory location.

Operating Status Page – Indirect Burner

- Added the Indirect Burner Analog Output to the Operating Status page which is listed as “Indirect Burner” under the Analog section header.

Analog Output – Calibration

- Fixed an issue where analog output channels were not being reset to the current operating value after calibrating the channel on the Analog Output Calibration page.

Indirect Burner – Analog Output

- Changed the logic of the Indirect Burner to require the Supply Air Flow input to be made instead of the Burner Air Flow input when starting modulation of the ID Burner analog output.

Indirect Fired Burner Temperature Limit – Safety

- Changed the safety logic for the Indirect Fired Burner Temperature Limit to add a 10 second delay after the burner output is energized before checking the input, and for the input to be de-energize to trip.

Economizer – Status Display

- Fixed an issue that was causing the status of the Economizer to not be displayed on the Air Flow Configuration page. The status will now be “Active” or “Off”.

Supply Burner – Display

- Added a label on the Supply Burner page that will indicate if the Supply Burner is configured as Direct or Indirect.

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Indirect Burner – New Control Feature

- Added the Indirect Burner feature

UV Lights – New Control Feature

- Added the UV Lights feature

Infrared Heater – New Control Feature

- Added the Infrared Heater feature

Summer/Winter Bypass – New Control Feature

- Added the Summer/Winter Bypass feature

Auto Logout – Session Timer

- Fixed an issue where the software would not automatically redirect to the home page after a session had expired when viewing the panel remotely or through a System Interface Panel.

Smart Burner OA Damper – Logic Update

- Changed the logic for the Smart Heat OA Damper output so it does not come on when the unit is in Cleanup mode.
- Added a 3 minute delay when transitioning from Cleanup to Process before looking at Smart Burner Damper Confirmed Open to prevent a Smart Heat Damper Warning.

Operating Status Page – Burner Status

- Fixed an issue where the Burner Status on the Operating Status Page was always “On”

Operating Status Page – Changes

- Added the Supply Burner Air Flow to the Operating Status Page
- Added Outside Air Humidity to the Operating Status Page
- Added Suction A, B, and C to the Operating Status Page
- Removed Cleanup from the Operating Status Page

Defrost – Differential Pressure Dropdown

- Added a dropdown on the Defrost page to enable the Differential Pressure option which hides and displays the associated setpoints.

Economizer – Update

- Changed Economizer control to inhibit cooling and heating when economizing is active
- Changed the label “High Limit” to “Maximum Outside Air”

Cooling – Control Output

- Added Suction (PR) / Liquid (CL) option to the Cooling control outputs

Burner Airflow – Warning Timer

- Fixed an issue with the Smart Burner / Supply Burner Status Warning that caused an alarm to be displayed incorrectly.

Smoke Detector – Configuration

- Moved the Smoke Detector configuration from the Smart Burner and Supply Burner pages to the Unit Configuration -> Misc page so it is accessible on units without a burner configured.

Supply Burner – Layout

- Changed the layout of the Supply Burner page to be more consistent with the rest of the application

Supply Burner – Modulation

- Fixed an issue where the Supply Burner Modulation output was not active when the burner status input was energized

Smart Heat OA Damper – Not Open Alarm

- Fixed an issue where switching to cleanup caused a Smart Burner OA Damper Not Open Alarm despite the OA Damper closing correctly.

Exhaust Control – Outside Air Damper Cleanup Only

- Added the “Outside Air Damper Cleanup Only” option to the Exhaust Control options on the Exhaust configuration page. The “Outside Air Damper Cleanup Only” option will

operate the Exhaust Fans based on the Outside Air Damper Position while the unit is in Cleanup and will turn off all the Exhaust Fans when the unit is in Process mode.

Supply Burner Defrost Assist Configuration – Removed

- Removed the Supply Burner Defrost Assist Configuration Enable from the Unit Configuration page as it is currently not supported in the software.

Room Temperature Sensor – Default Range

- Changed the Room Temperature Sensor default configuration to a 4-20mA device with a range of -20F to +140F.

Drain Line Heat Trace – HOA

- Added an HOA dropdown for the Drain Line Heat Trace digital output on the Digital I/O configuration page.

Flooded Cooling Control – Suction Outputs

- Changed the Flooded Cooling control logic to control multiple suction outputs and one cooling output (liquid).