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AcuAir HD Unity

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 woud 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 Outisde 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 Suppy 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).