EDGE 2 – Software Update Version 5.3.1

NEW FEATURES & ENHANCEMENTS

Positive Pressure

Service Room - Positive Pressure Attic Room

- Positive pressure is now supported through a positive-pressure attic service room. A protection mechanism automatically activates all fans if the attic temperature becomes too high. Alarms can be triggered when pressure is too low or too high. Fans start in a customer-specific sequence.

Communication

Statistics from both networks in module detection

- It is now possible to view statistics from both the Automation and Safety networks simultaneously on the Module Detection Screen.

New Module Statistics page

- A new Module Statistics page provides greater visibility into Automation and Safety network activity and helps simplify troubleshooting.

Single controller wired on both Automation and Safety networks

- A trouble condition is now triggered when the system contains a single controller, and when that controller is connected to both the Automation and Safety networks.

Ventilation & Cooling

Disable cooling equipment based on outside humidity

- Cooling equipment can now be disabled when outside humidity exceeds the user configured threshold.

Customizable inlet reset position

- In Power, Natural and Tunnel ventilation modes, it is now possible to customize the inlet reset position (open, closed, or nearest) based on the inlet type (ceiling, sidewall, tunnel, or natural curtain).

Start farrowing production without piglets

- Farrowing production rooms can now be started without piglets.

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CORRECTIONS & FIXES

Communication

Improved module detection process
- The module detection process has been improved for modules that have already been identified on the network.

Improved communication
- Improved communication between the controller and the modules

Weather station communication issue
- Fixed an issue causing the weather station to report on the wrong network.

Ethernet unavailability visibility
- When Ethernet connectivity is unavailable, an error is now displayed on the Ethernet page, and the red X on the ethernet icon is more prominent.

Ethernet page access from the redundant controller
- The Ethernet page is now available on the redundant controller to enable or disable the speed limiter.

Ventilation

Commander fan 54 inches 10-0 Vdc motor curve
- The motor curve now starts at 40% instead of 30%.

Static pressure generic input value validation
- Values can now be entered without a leading zero (for example, .5).

Setpoints
- Fixed an issue where the incorrect preheat setpoint could be displayed on the operation page during ramp-up.
- Current and final setpoints are now displayed during preheat mode transitions and day/night transitions.

Ventilation grid settings
- When switching quickly between rooms, the values displayed in the ventilation grid are now accurate.

Reports

Heater runtimes
- Fixed incorrect Hi/Low heater runtimes and runtimes exceeding 24 hours in reports.

Scales

Bin scale calibration optimization
- The calibration process has been improved to reduce latency and eliminate unnecessary retries.
- Fixed an issue where the tare operation would not complete.

System

Temperature probes
- Fixed an issue where the LED probe was not properly deconfigured, causing the LED to start flashing again.
- Fixed an issue where LED probe readings could drop after a switchover when the LED was ON.

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Stability

Incompatible configuration file

- Fixed an issue causing the controller to continuously reboot when importing an incompatible configuration file.

Dirty version

- Fixed an issue where the controller version was displayed as dirty.

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