

MCS Release Note

Product Type: MCS-Config Software Revision: 19.01.31

Release Date: February 19, 2026

BETA Release 19.01.31 - Thursday, February 19, 2026 Log:

Overall Summary:

- This BETA release introduces full support for the new V19 Sequential RS485 communication protocol (HVAC Only), along with important stability improvements and validation updates. The Sequential protocol is now fully integrated into the system, including user interface selection, data handling, file operations, and configuration validation. This release focuses on preparing Sequential RS485 for field testing while improving reliability, preventing configuration errors, and preserving existing settings during protocol changes.

Bug Fixes:

- Fixed an issue where RS485 settings could be unintentionally reset when switching between protocol types. Settings are now preserved properly.
- Corrected RS485 byte handling during read/write operations.
- Resolved decimal place validation conflicts in the User-Defined SI form and improved the clarity of related error messages.
- Fixed issues with sequential protocol EEPROM out-of-range values by adding automatic correction during form load.
- Corrected UI visibility behavior for Sequential RS485 settings to prevent improper field enabling/disabling.
- Improved layout handling for RS485 port setup screen.
- Removed debug message popups that could interrupt workflow.

Features:

- Sequential RS485 Protocol Support (V19)
- Added full support for the Sequential RS485 protocol. Sequential protocol is now selectable from the RS485 setup dropdown menu. Only one port can be setup as sequential at a time.
- Introduced new internal data structures to support both Standard and Sequential RS485 modes.
- Integrated Sequential protocol handling into system file read/write (FILEIO) operations.
- Implemented intelligent UI visibility logic based on: Protocol type and Initiator selection
- Added conditional enabling of Heat Recovery RO based on reverse valve configuration.
- Added sequential protocol validation for: Device address ranges, Maximum unit limits, Threshold values, Timeouts
- Sequential protocol default values now automatically adjust based on: Selected port, Structure load status, Protocol type
- Form load now validates and corrects invalid configuration values

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automatically.

Patches:

- Improved popup messaging for configuration conflicts.
- Enhanced protocol switching logic to prevent unintended data overwrites.