

Update Advisory Supervisory Control Platform Firmware 2.19F01

Release Notes

A new general release version of the Supervisory controller firmware version 2.19F01 has been released and is available for customer upgrade. For more information, visit the Supervisory Control page on the Emerson website:

<https://climate.emerson.com/en-us/products/controls-monitoring-systems/facility-controls-electronics/facility-and-system-controls/lumity-supervisory-controls-platform>

Who Should Update

Emerson recommends that all customers upgrade their Supervisory controllers and PCs running Connect+ to the latest version to take advantage of the latest fixes and enhancements listed in **Table 3**.

All customers who use any of the features below are advised to upgrade to Supervisory controller 2.19F01, and customers using any of the features listed in Table 3.

Alarm Communications	Lighting Application
Graphing	Wireless Gateway
Floorplan	XM Circuit Application
Peer Networks	Time Schedule Application
DAC Application	OnBoard IO
M400 Application	IO Net Modbus
IMC Prodigy Application	Layout Manager
Air Handler Application	Restoring
Irrigation Application	Digital Sensor Application



Figure 1 - E3 Controller



Figure 2 - Site Supervisor Controller

CONNECT+ UPDATE REQUIRED

Supervisory Controller Version	Minimum Connect+ Version Required
2.19F01	1.5.3F01

Table 1 - Supervisory Controller and Connect+ Compatibility Matrix

Supervisory controller version 2.19F01 requires Connect+ 1.5.3 or greater. It is recommended the latest version of Connect+ be installed for best practices. If communication with Connect+ is required, upgrade Connect+ to the latest version first, then update the Supervisory controllers. Contact Emerson for more information about upgrading.

CONTROLLER FIRMWARE COMPATIBILITY

Firmware	Platform
E3_#.#####_Display_Update	E3 only
E3_#.#####_Firmware_Update	E3 and Site Supervisor
SS_#.#####_Firmware_Update	Site Supervisor only

Table 2 - Firmware Platform Mapping

<i>Features and Fix Descriptions</i>	Supported in Supervisory Controllers 2.19F01
Features	
Offline Programming - Limited Release <ul style="list-style-type: none"> > Allows the user to configure a Site Supervisor/E3 without the hardware through a web site. 	✓
Layout Manager <ul style="list-style-type: none"> > Users can now move views up and down within a panel and between other panels. 	✓
Floor Plan Match Check <ul style="list-style-type: none"> > After installation of a Floorplan, users can now check configuration with the Floorplan Match Info window (View and Edit privileges) to verify unit types are matched. 	✓
16AI Board Application <ul style="list-style-type: none"> > Sensor Units supports Ohms and Volts. 	✓
UI - Engineering Units <ul style="list-style-type: none"> > Differential (Delta) Pressure EU is supported. 	✓

Table 3 - Supervisory Controller 2.19F01 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Supervisory Controllers 2.19F01
Fixes	
UI - Alarm Communications <ul style="list-style-type: none"> > The format of content in the Confirmation page is now correct when saving configurations for Recipients. > Relays will not turn OFF when active alarms are still present. 	✓
UI - Graphing <ul style="list-style-type: none"> > Saved graphing points of other devices are no longer removed when leaving the app and then returning to the app. 	✓
UI - Floorplan <ul style="list-style-type: none"> > The Floorplan Match Icon will now display. > Points value displayed correctly for non-gateway units when installing one floorplan with GsAppSummaryTable widget onto another peer network. > Floorplan remote point registration failure message no longer prompts error “No Memory or queue is full for registering points.” > Floorplan will now install correctly from USB. > GsTable - All points in the widget are now displayed if the first point cannot be found. > The floorplan now displays correctly when restoring a setpoint file to a different unit number. > Scroll bars are visible and able to scroll floorplans that are longer or wider than the screen. > The "GsAppSummary" widget for "Air Handlers (AHUs)" is no longer blank. > E2 AHU points' status now display correctly when overriding. 	✓
General System Properties - Network Settings <ul style="list-style-type: none"> > On the Network Settings page, if the DNS Server value is updated and tabs are switched by clicking the Localization tab, the DNS Server value will update correctly on the Confirmation page and when switching back to the Network Settings page. 	✓
Circuit Applications - Main Menu <ul style="list-style-type: none"> > If no Circuit Applications are licensed, the Case Defrost Schedule Summary will not display. 	✓
UI Enhancements <ul style="list-style-type: none"> • Send to <ul style="list-style-type: none"> > Process bar and error message are will pop out as a separate window when sending to a point's expanded information. • Layout Manager <ul style="list-style-type: none"> > After clicking the “Clear Zooming” button on a graph, the graph time filters will no longer be cleared. > When I added a new device/application for the graph after deleting the graph's app, the preview will now display correctly. • Starting Process page <ul style="list-style-type: none"> > UI stayed in “Starting Process” page and will now be refreshed automatically after restore setpoint with enabled “Force SSL.” 	✓

Table 3 - Supervisory Controller 2.19F01 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Supervisory Controllers 2.19F01
Logs & Statistics - Audit Log <ul style="list-style-type: none"> > The schedule application name is no longer displayed as <i>iid</i> when selecting one schedule application from the Schedule drop-down list in Alarm Communications page. 	✓
System Summary Page <ul style="list-style-type: none"> > Word of Point name displayed in the System Summary page is no longer truncated. 	✓
System <ul style="list-style-type: none"> • Air Velocity <ul style="list-style-type: none"> > Unit of air velocity changed from default of feet/minute to meters/second. 	✓
Peer Network - Alarm Communication <ul style="list-style-type: none"> > The Alarm out displays correctly in the gateway unit when enabling “Alarm Annunc” for a non-gateway unit. 	✓
iPro DAC Application <ul style="list-style-type: none"> > Damper IAQ enhancements. 	✓
Air Handler Application <ul style="list-style-type: none"> > AHU compressor status can now control by Enable. 	✓
M400 <ul style="list-style-type: none"> > The OUTPUT RPM value On Site Supervisor is now consistent with the device. 	✓
Restore - UltraSite to Site Supervisor <ul style="list-style-type: none"> • Standard Circuits • Analog Sensor Control • AHU Large • Lighting <ul style="list-style-type: none"> > Various parameters for these applications will now restore correctly. 	✓
IMC Prodigy Application <ul style="list-style-type: none"> > ECON STATUS no longer reports incorrect values on the Input/Output Status tab. 	✓
File Management <ul style="list-style-type: none"> > After an .ADF has been uploaded, application/device type will now display. 	✓
Irrigation Application <ul style="list-style-type: none"> > If connected to Global Data at startup, the Irrigation Outdoor Temp value will now update to NONE to match the Global Data value if also set to NONE. 	✓
Digital Sensor Control Application <ul style="list-style-type: none"> > The visibility of Proof Type is now correct. 	✓
Lighting Application <ul style="list-style-type: none"> > The SUNDOWN parameter will now display correctly when connected to Global Data. 	✓

Table 3 - Supervisory Controller 2.19F01 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Supervisory Controllers 2.19F01
Application - Expanded Information <ul style="list-style-type: none"> > Runtime Today and Runtime since Reset are now correct when the output is ON before Expanded Information is enabled. > The Override value is now used to calculate expanded information. > Runtime is no longer recalculated along with system time. 	✓
Wireless Gateway Application <ul style="list-style-type: none"> > The alarm-related properties are now displaying correctly. 	✓
XM Circuit Application <ul style="list-style-type: none"> > Associated Product and Case Temp alarms will no longer alarm when the XM circuit is disabled. 	✓
Time Schedule Application <ul style="list-style-type: none"> > The Event Number of Hours row across the top is now aligned properly when the screen zoom decreases below 90% 	✓
Device <ul style="list-style-type: none"> > Modbus transaction delay updated from 200 to 20. 	✓
OnBoard IO Application <ul style="list-style-type: none"> > The property “RLO# Period” is now functioning properly. 	✓
I/O Net Modbus <ul style="list-style-type: none"> > Device no longer changes from Online to Unknown after upgrading firmware. 	✓
Security <ul style="list-style-type: none"> > General enhancements. 	✓

Table 3 - Supervisory Controller 2.19F01 Feature and Fix Matrix

Update Supervisory Controller firmware

		Supervisory controller firmware version													
		2.06F01	2.07F01	2.08F01	2.09F01	2.10F01	2.11F03	2.12F01	2.13F01	2.14F01	2.15F01	2.16F02	2.17F02	2.18F03	2.19F01
Firmware Update File	2.06F01_Firmware_Update	✓													
	2.07F01_Firmware_Update	✓	✓												
	2.08F01_Firmware_Update	✓	✓	✓											
	2.09F01_Firmware_Update	✓	✓	✓	✓										
	2.10F01_Firmware_Update	✓	✓	✓	✓	✓									
	2.11F03_Firmware_Update	✓	✓	✓	✓	✓	✓								
	2.12F01_Firmware_Update	✓	✓	✓	✓	✓	✓	✓							
	2.13F01_Firmware_Update	✓	✓	✓	✓	✓	✓	✓	✓						
	2.14F01_Firmware_Update	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	2.15F01_Firmware_Update	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	2.16F02_Firmware_Update							✓	✓	✓	✓	✓			
	2.17F02_Firmware_Update							✓	✓	✓	✓	✓	✓		
	2.18F03_Firmware_Update							✓	✓	✓	✓	✓	✓	✓	
	2.19F01_Firmware_Update							✓	✓	✓	✓	✓	✓	✓	✓

Legend		
✓		This version of Supervisory controller can upgrade using this version of firmware update file
		This version of Supervisory controller can NOT upgrade using this version of firmware update file
		It is NOT recommended to downgrade Supervisory controller firmware

Workaround and Notes	
1)	For example, in order to upgrade Supervisory controller from 2.10F01 to 2.19F01, you must first upgrade to any version of 2.12F01 – 2.15F01, then upgrade to 2.19F01.
2)	If firmware is equal to 2.12F01 or above: Upgrade to 2.19F01 directly.
3)	If firmware is below 2.12F01: First upgrade to 2.15F01 and then upgrade to 2.19F01.
4)	2.11F01, 2.11F02 and 2.16F01 Firmware_Update files should be not used.
5)	If Supervisory controller is below 2.08F01 and model is default SMF, you must upload the Feature Set file, then upgrade firmware.

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