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EMERSON 2.19F01 Update Advisory Supervisory Control Platform Firmware Instruction Manual

**Update Advisory Supervisory Control Platform
Firmware 2.1 9F01**

Contents

2.19F01 Update Advisory Supervisory Control Platform Firmware

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-monitoringsystems/facility-controls-electronics/facility-and-system-controls/lumitysupervisory-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.

Figure 1 - E3 Controller

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.

Figure 2 - Site Supervisor Controller

Alarm Communications	Lighting Application
Graphing	Wireless Gateway
Floorplan	XM Circuit Application
Peer Networks	Time Schedule Application
DAC Application	OnBoard 10
M400 Application	10 Net Modbus
IMC Prodigy Application	Layout Manager
Air Handler Application	Restoring
Irrigation Application	Digital Sensor Application

CONNECT+ UPDATE REQUIRED

Supervisory Controller Version	Minimum Connect+ Version Re
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	3 and Site Supervis
SS_#.#####_ Firmware_Update	Site Supervisor only

Table 2 – Firmware Platform Mapping

Features and Fix Descriptions Supervisory	Supported in Controllers 2.19F01
Features	
Offline Programming – Limited Release > Allows the user to configure a Site Supervisor/E3 without the hardware through a web site.	✓
Layout Manager > Users can n ow move views up and down within a panel and between other panels.	✓
Floor Plan Match Check > 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 > Sensor Units supports Ohms and Volts.	✓
UI – Engineering Units > 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 > 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 > Saved graphing points of other devices are no longer removed when leaving the app and then returning to the app.	✓
UI – Floorplan > 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 > 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 > If no Circuit Applications are licensed, the Case Defrost Schedule Summary will not display.	✓
UI Enhancements • **Send to** > Process bar and error message are will pop out as a separate window when sending to a point's expanded information. • **Layout Manager** > 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** > UI stayed in "Starting Process" page and will now be refreshed automatically after restore setpoint with enabled "Force SSL."	✓

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

Table 3 – Supervisory Controller 2.19F01 Feature and Fix Matrix

Update Supervisory Controller firmware

Firmware Update File	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
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.

For Emerson Digital Cold Chain Technical Support

- 833-409-7505
- **ColdChain.TechnicalServices@Emerson.com**

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

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Documents / Resources

EMERSON 2.19F01 Update Advisory Supervisory Control Platform Firmware [pdf] Instruction Manual
2.19F01, 2.19F01 Update Advisory Supervisory Control Platform Firmware, Update Advisory Supervisory Control Platform Firmware, Advisory Supervisory Control Platform Firmware, Supervisory Control Platform Firmware, Platform Firmware, Firmware

References

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- **Copeland Worldwide | Copeland US**
- **Lumity Supervisory Control Platform | Copeland US**