Supervisory Control Platform

Update Advisory Supervisory Control Platform Firmware 2.23F03

A new general release version of the Supervisory Controller firmware version 2.23F02 has been released and is available for customer upgrade. For more information, visit the Supervisory Control page on the Copeland website:

https://www.copeland.com/en-us/products/controls-monitoring-systems/facility-controls-electronics/facility-and-system-controls/supervisory-controls-platform

IMPORTANT:

• Reset or power cycle an upgraded E3 approximately 10 minutes after the upgrade is complete.

Who Should Update

Copeland 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 on page 2*.

All customers who use any of the features below are advised to upgrade to Supervisory controller 2.23F02, and customers using any of the features listed in *Table 3 on page 2*.

• Processor Interface Board (PIB)
• R448A Refrigerant
• Floor Plans
• REST
• Logs

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CONNECT+ UPDATE RECOMMENDED

Table 1: - Supervisory Controller and Connect+ Compatibility Matrix

Supervisory Controller Version	Recommended Connect+ Version
2.23F02	1.5.6F01

It is recommended to upgrade to the latest Connect+ version. If you plan to upgrade Supervisory controllers and Connect+ at the same time, upgrade Connect+ to the latest version first, then update the Supervisory controllers. Contact Copeland for more information about upgrading.

CONTROLLER FIRMWARE COMPATIBILITY

Table 2: - Firmware Platform Mapping

Firmware	Platform
E3_#.#####_ Display_Update	E3 only
E3_#.#####_ Firmware_Update	E3 and Site Supervisor
SS_#.#####_ Firmware_Update	Site Supervisor only

Table 3: - Supervisory Controller 2.23F02 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Supervisory Controllers 2.23F02
Features	
System DHCP & NTP: If the DHCP lease includes the NTP server IP address when enabled: ➢ At least one IP will be checked to verify if there is a valid NTP server IP. ➢ If at least one IP is a valid NTP server IP, the existing NTP server configuration will be replaced with these new IPs.	✔
Fixes	
E3 Processor Interface Board (PIB) ➢ Added time stamp to PIB log. ➢ Added new PIB log report. ➢ PIB will no longer intermittently restart for "socket error -5"	✔
REST Reset Advisory (Service Log) ➢ If advisories are reset by the REST interface, memory leak will not occur.	✔
Refrigerants ➢ R448A refrigerant is now converting correctly.	✔
System Logs ➢ The PIB Error Log will no longer appear truncated.	✔
Floor Plans ➢ File size limit has been increased.	✔

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 and higher
2.06F01_Firmware_Update	✓	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow
2.07F01_Firmware_Update	✓	✓	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow
2.08F01_Firmware_Update	✓	✓	✓	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow
2.09F01_Firmware_Update	✓	✓	✓	✓	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow
2.10F01_Firmware_Update	✓	✓	✓	✓	✓	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow
2.11F03_Firmware_Update	✓	✓	✓	✓	✓	✓	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow
2.12F01_Firmware_Update	✓	✓	✓	✓	✓	✓	✓	yellow	yellow	yellow	yellow	yellow	yellow	yellow
2.13F01_Firmware_Update	✓	✓	✓	✓	✓	✓	✓	✓	yellow	yellow	yellow	yellow	yellow	yellow
2.14F01_Firmware_Update	✓	✓	✓	✓	✓	✓	✓	✓	✓	yellow	yellow	yellow	yellow	yellow
2.15F01_Firmware_Update	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	yellow	yellow	yellow	yellow
2.16F02_Firmware_Update	red	red	red	red	red	red	✓	✓	✓	✓	✓	yellow	yellow	yellow
2.17F02_Firmware_Update	red	red	red	red	red	red	✓	✓	✓	✓	✓	✓	yellow	yellow
2.18F03_Firmware_Update	red	red	red	red	red	red	✓	✓	✓	✓	✓	✓	✓	yellow
2.19F01 and higher	red	red	red	red	red	red	✓	✓	✓	✓	✓	✓	✓	✓

Legend

✓	This version of Supervisory controller can upgrade using this version of firmware update file.
red	This version of Supervisory controller can **NOT** upgrade using this version of firmware update file.
yellow	It is **NOT** recommended to downgrade Supervisory controller firmware.

Workaround and Notes

1) For example, in order to upgrade Supervisory controllers from 2.10F01 to 2.20F03, you must first upgrade to any version of 2.12F01 – 2.15F01, then upgrade to 2.20F03 or higher.
2) If firmware is equal to 2.12F01 or above: Upgrade directly to 2.20F03 or higher.
3) If firmware is below 2.12F01: First upgrade to 2.15F01, and then upgrade to 2.20F03 or higher.
4) **2.11F01, 2.11F02 and 2.16F01 Firmware_Update files should be not used.**
5) If the Supervisory controller is below 2.08F01 and the model is default SMF, you must first upload the Feature Set file, then upgrade firmware.

For more information on firmware upgrades, see the 026-4184 Upgrade Advisory:

https://www.copeland.com/documents/026-4184-upgrade-advisory-for-all-supervisory-controller-versions-before-2-19f01-en-7981974.pdf

For more information on E3 firmware upgrades before 2.20F03, see the 026-4185 Upgrade Advisory:

https://www.copeland.com/documents/026-4185-upgrade-advisory-for-e3-controller-versions-below-2-20f03-en-8070726.pdf

Supported Browsers

- Microsoft Edge v88 and later
- Mozilla Firefox 11 and later
- Google Chrome 61.0 and later
- Apple Safari® on iOS10 (iPhone® 5C, iPad® 4) and later
- Webview on Android 5.0 (Samsung Galaxy S4) and later

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Visit our website at **copeland.com/en-us/products/controls-monitoring-systems** for the latest technical documentation and updates.
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