Supervisory Controller Platform

Update Advisory E3 and Site Supervisor Firmware 2.30F02

A new general release version of the Supervisory controller firmware version 2.30F02 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!

For E3 firmware upgrades, be sure to use the *_Display_Update* file.

Before Upgrading Firmware

- *Note that for firmware versions 2.16 to 2.22, you must first upgrade to 2.23 BEFORE upgrading to 2.30.*

- *Upgrading firmware from older versions is a tiered process. See page 5 of this document for links to resources for supervisory controller firmware upgrades.*

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 the table below.

All customers who use any of the features in the table below are advised to upgrade to Supervisory controller 2.30F02, and customers using any of the features listed in the matrix on pages 2-4.

Alarm Communications	MQTT
XM678D and XM679K Devices	Air Handler Application
Floor Plans	Suction and Enhanced Suction Groups
BACnet	Facility Status Display (FSD)
XM Circuit Application	Square D Breaker Application
Area Controllers	Smart Alarms
8RO Boards	MRLDS 450
CO_2 Application	Condenser Application
CC200 Controllers	16AI Configuration

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CONNECT+ UPDATE RECOMMENDED

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.

Supervisory Controller and Connect+ Compatibility Matrix

Supervisory Controller Version	Recommended Connect+ Version
2.30F02	1.5.10F01

CONTROLLER FIRMWARE COMPATIBILITY

Firmware Platform Mapping

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

Supervisory Controller 2.30F02 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Supervisory Controllers 2.30F02
Features	
Security ➤ General enhancements.	✔
Site Supervisor Displays ➤ Instructions for upgrading to the latest Chromium version are available.	✔
UI Theme Change ➤ Layout Manager - Table color is contrasted from the background color for enhanced visibility.	✔
E3 Override/Bypass Log ➤ Override log is now the same operation as the E2 and supported in Connect+	✔
Enhanced Logging Configuration ➤ Points can be added to a log directly from within the application where these points are configured.	✔
Firmware Update ➤ Firmware updates can now be triggered remotely in E3 and Site Supervisor peer groups.	✔
BACnet/IP Using AUX IP ➤ All devices for BACnet ETH1 and ETH0 are displayed when BACnet ETH1 AUX is enabled.	✔
Enabling and Disabling Points ➤ Disable the polling of points that are unused or not needed. Enabled points show in the **Enabled** column in the application UI.	✔

Supervisory Controller 2.30F02 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Supervisory Controllers 2.30F02
Fixes	
UI ➢ Layout Manager - Added Advanced/Basic button on layout detail page. ➢ Logging Groups - Archive is now enabled when adding new logging groups. ➢ Protocol Mapping - OK button is now functioning correctly when the app name contains an asterisk. ➢ USB and SD Card are now displayed in File Management & Licensing page. ➢ Delete button removed in applications.	✔
Alarms ➢ Alarm Setpoint Outputs are no longer missing from the XM Circuit. ➢ Alarms from E2 can now be reset if the alarm has already disappeared from an E2 controller. ➢ Advisories are clearing properly when cleared at the E2 controller. ➢ Alarm priority default values for non-critical type alarms in most applications (except Standard Circuits, XM Circuits, CO2 Suction, Condenser, and Enhanced Suction apps) is now correctly set at 30 instead of 20. ➢ Alarm priority settings for certain applications now match E2 settings. ➢ Certain app points will be highlighted correctly when alarm condition is present.	✔
Offline Alarms ➢ Issues involving a maximum number of connections no longer causes device offline alarms.	✔
Groups ➢ Add control list will now auto scroll to the group of apps/devices based on the default group setting.	✔
Alarm Annunciator ➢ Alarm status of **NOMON** will no longer display instead of "Pending" or "Snooze."	✔
Floor Plans ➢ E3 floor plan now displays colors correctly when loaded from Connect+ to E3. ➢ Error message no longer displays when a floor plan contained a border.	✔
Peer Groups ➢ When changing the IP address of a peered Gateway controller, the page will no longer display **404 Not Found** error message.	✔
BACnet ➢ When there are multiple offline alarms active at the same time, the offline timer delay is no longer ignored for some BACnet devices.	✔
Alarm Communication ➢ The alarm communication output and light no longer show ON when there is no active alarm.	✔
Peer Group Advisories ➢ The advisory service will no longer restart when connecting with two E2s with repeatedly received alarms.	✔
XM700 ➢ XM700 device support added.	✔

Supervisory Controller 2.30F02 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Supervisory Controllers 2.30F02
Fixes continued	
XM679K v4.2 ➢ XM679K v4.2 no longer continues with a defrost when the DEFROST STOP command is already ON.	✔
XM678D ➢ Communication issues have been resolved.	✔
XM Circuit Alarm ➢ XM Circuit Alarm OUT value no longer stays ON.	✔
Area Controllers ➢ After clicking the Unit button, the page will be directed correctly when the home screen is set to Floor Plan.	✔
System Restarts ➢ When restoring setpoints, the controller will no longer restart when attempting to send property configurations to Standard Circuits, or when resetting all alarms on an active alarm page.	✔
8RO Boards ➢ 8RO boards will no longer flash online/offline when connecting two 8RO boards to E3.	✔
Communications ➢ Time Schedules - Relative time values should not be allowed for start/end time of master events - this has been corrected. ➢ RCI no longer returns 500 error code when using a customer database. ➢ Copyright supported in the login message in RCI (Connect+ interface).	✔
Devices in Control Inventory ➢ The assigned com port may now be removed of a device in Control Inventory.	✔
Air Handler Application ➢ FAN PROOF FAIL and MAX RETRIES now resets to the correct amount. ➢ If Heat OFF setpoints are greater than the Cool ON setpoints, an alert message for the setpoint error will appear.	✔
Firmware Update ➢ Remote Repository URL is now updated to the Copeland URL address.	✔
Suction Groups (CO2, Enhanced) ➢ Min/max range of pressure setpoints on all Suction Groups are now correct.	✔
Refrigerant Support ➢ R454A refrigerant support added.	✔
XM679K ➢ XM Circuit "Lts during defr" setting is no longer turning OFF.	✔
Firmware Upgrade ➢ I/O module and leak detector panel (LDP) are now correct after upgrading to 2.30F02 (BACnet).	✔
USB Operation ➢ After booting with a blank USB, PIB will no longer go offline.	✔

Supervisory Controller 2.30F02 Feature and Fix Matrix

Features and Fix Descriptions Fixes continued	Supported in Supervisory Controllers 2.30F02
Square D Breaker Panel ➢ Visibility and proof alarm enhancements.	✔
Controller ➢ Exception Occurred error condition no longer causes controller to reboot at a particular site. ➢ Error condition no longer occurs when requesting an alarm list for a unit with Connect+ at a particular site.	✔
CoreLink ➢ Modbus offline alarm issue with CoreLink case controllers has been corrected.	✔
CO_2 Suction Rack ➢ The static input for load enables is now a selectable input for MT Rack Fail.	✔
CO_2 Group/Enhanced Suction/Condenser ➢ VS Reset Interval is now functioning correctly.	✔
Facility Status Display (FSD) Controller ➢ FSD Alarms will no longer display after RTN and ACK.	✔
MRLDS-450 Leak Detector ➢ MRLDS-450 issues with the iPro Leak Detection panel have been corrected.	✔
ESR, EXV, XM Devices ➢ Synchronization issues have been corrected after conversions from E2 to E3.	✔
MQTT ➢ General enhancements.	✔
Online Help ➢ General enhancements.	✔
16AI Configuration ➢ The Low End EU now shows the engineering unit in the AI13 tab.	✔
CC200 Controllers ➢ After upgrading to 2.30F02, CC200s now provide consistent data.	✔

Resource Links for Upgrading 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-en8070726.pdf

Supported Browsers

- Google Chrome 105.0.5195 and later

- Firefox 105.0 and later

- MAC Safari® 14.1.2 and later

- iOS Safari® 14.7 and later

- Edge 84.0.522 and later

- Android Chrome/WebView 105.0.5195 and later

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

For Technical Support call **833-409-7505** or email **ColdChain.TechnicalServices@Copeland.com**

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