

# Supervisory Controller Platform

## Update Advisory E3 and Site Supervisor Firmware 2.21F01

A new general release version of the Supervisory controller firmware version 2.21F01 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 the table below.

All customers who use any of the features in the table below are advised to upgrade to Supervisory controller 2.21F01, and customers using any of the features listed in the matrix on pages 2-3.

Global Data	Offline Programming
XM Circuit Application	System Logs
Floor plans	CANbus
BACnet	Enhanced Suction
Smart Alarms	Connect+
System Backup	Backup/Restore
Online Help	M400 Device
BACnet	



## 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
2.21F01	1.5.4F01

## CONTROLLER FIRMWARE COMPATIBILITY

### Firmware Platform Mapping

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

### Supervisory Controller 2.21F01 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Supervisory Controllers 2.21F01
<b>Features</b>	
<b>Smart Alarms</b> <ul style="list-style-type: none"><li>➤ Smart Alarm function is now supported for CO2 and Enhanced Condenser applications.</li></ul>	✓
<b>Calendar Enhancements for Schedules</b> <ul style="list-style-type: none"><li>➤ Time options added and new Day and Holiday selections added for slave events.<ul style="list-style-type: none"><li>○ <b>Master Time</b> - Schedule for the master event</li><li>○ <b>Overlap Time</b> - Time of the slave event that is shared with the master schedule</li><li>○ <b>Reduced Time</b> - Displayed with the slave event and scheduled to end before the master schedule event (may be based on relative or absolute time)</li><li>○ <b>Slave Time</b> - Event starts prior to master event and/or ends after master event schedule (based on relative time only)</li><li>○ <b>Absolute Time</b> - Time displayed in blue occurs before or after the master event start and end times (based on absolute time only)</li></ul></li></ul>	✓
<b>Password Lockout</b> <ul style="list-style-type: none"><li>➤ If an incorrect password is entered 10 times in a row, the user will be locked out for 30 minutes. A message will appear to show the number of remaining attempts.</li></ul>	✓
<b>Send To Tile Points</b> <ul style="list-style-type: none"><li>➤ Source points can be sent to target users. Tile point changes to an application can be sent selectively to other applications of the same type. Tile point displays can be easily created for specific applications and users.</li></ul>	✓
<b>XM Circuit</b> <ul style="list-style-type: none"><li>➤ Case Clean out support added. Enable from the Cleaning Switch parameter in the General tab of the XM Circuit application. Set the mode from the Cleaning Mode parameter and configure Failsafe time settings.</li></ul>	✓
<b>Sporlan Kelvin 2</b> <ul style="list-style-type: none"><li>➤ Support added; license required.</li></ul>	✓

## Supervisory Controller 2.21F01 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Supervisory Controllers 2.21F01
Fixes	
<b>Time Schedule</b> <ul style="list-style-type: none"> <li>➤ Two events can no longer be added to a slave schedule that conflict with each other (for example, events with the same parameters, with the exception that the first event has no OFF event.) A warning message will appear.</li> </ul>	✓
<b>BACnet</b> <ul style="list-style-type: none"> <li>➤ BACnet IP Broadcast is now supported.</li> <li>➤ The unit number is now visible in the Audit Log and Service Log for the setpoint file.</li> </ul>	✓
<b>Online Help</b> <ul style="list-style-type: none"> <li>➤ <b>XM Circuit</b> - Help text and links are now corrected</li> <li>➤ <b>System Summary Screen</b> - Supported browsers added</li> <li>➤ <b>XEV22D 1.1</b> - Help support added</li> <li>➤ <b>M400</b> - Help support added</li> <li>➤ <b>CoreSense</b> - Help support added</li> <li>➤ <b>IPX6, IPX15, IPX12</b> - Property and page level help for additional parameters</li> <li>➤ <b>Onboard IO</b> - Property and page level help for additional parameters</li> <li>➤ <b>Discuss</b> - Missing help icons are now visible</li> </ul>	✓
<b>Backup File Name Configuration</b> <ul style="list-style-type: none"> <li>➤ The Backup file name in the USB/SD card is now consistent with that in the local PC.</li> </ul>	✓
<b>M400 Device</b> <ul style="list-style-type: none"> <li>➤ The Decel and Accel Rate value in the Setpoints tab now shows correct values for min and max.</li> </ul>	✓
<b>E3 Global Data Application</b> <ul style="list-style-type: none"> <li>➤ The "Processor Temperature" property has been added on the "Sys Data" tab in E3.</li> <li>➤ "Sunrise Time" and "Sunset Time" values are now correct in the Solar Time tab.</li> </ul>	✓
<b>UI Enhancement</b> <ul style="list-style-type: none"> <li>➤ The controller unit number is now included in the footer in the lower right of the screen.</li> </ul>	✓
<b>Offline Programming</b> <ul style="list-style-type: none"> <li>➤ Floor plan files exported from Offline Programming are now correct and can be installed.</li> </ul>	✓
<b>Floor plans</b> <ul style="list-style-type: none"> <li>➤ Alarm status no longer displays in "Alarm High Limit" and "Alarm Low Limit" for an E2 unit.</li> </ul>	✓
<b>System Logs</b> <ul style="list-style-type: none"> <li>➤ The unit number is now visible in the Audit Log and Service Log for the setpoint file.</li> </ul>	✓
<b>Enhanced Suction</b> <ul style="list-style-type: none"> <li>➤ The "None" setting removed for "Dgtl Lower %" and "Dgtl Upper %" properties.</li> </ul>	✓
<b>CANbus</b> <ul style="list-style-type: none"> <li>➤ When using the Connect+ function, "Obtain Controller Info" in the IPX device relays will no longer intermittently activate.</li> </ul>	✓

## 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](https://www.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**