

# Supervisory Controller Platform

## Update Advisory E3 and Site Supervisor Firmware 2.29F02

A new general release version of the Supervisory controller firmware version 2.29F02 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*

- 1. Note that for firmware versions 2.16 to 2.22, you must first upgrade to 2.23 BEFORE upgrading to 2.29.**
- 2. Upgrading firmware from older versions is a tiered process. See the last page 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 2.29F02, and customers using any of the features listed in the matrix on pages 2-4.

Alarm Communications	MQTT
Graphing	XM678D_25
File Management	16AI
NVR Application	HTTP Certificates
ISD Application	Loop Sequence Control
XR75 CD	Floor Plans
MRLDS 250	UltraSite

## 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
2.29F02	1.5.10F01

## CONTROLLER FIRMWARE COMPATIBILITY

### Firmware Platform Mapping

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

### Supervisory Controller 2.29F02 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Supervisory Controllers 2.29F02
<b>Features</b>	
<b>Group Applications</b> <ul style="list-style-type: none"> <li>➤ Applications can now be grouped and customized in a logical way.</li> <li>➤ Multiple tiles can be selected and moved.</li> <li>➤ Applications can also be selected in Alarms Association and filtered by these groups.</li> </ul>	✓
<b>Status Tab Graphing</b> <ul style="list-style-type: none"> <li>➤ Graph samples are now dynamically loaded with the latest 1000 samples presented by default. Backward and forward arrow icons allow navigation of 500 samples by day.</li> </ul>	✓
<b>Alarm Filtering</b> <ul style="list-style-type: none"> <li>➤ Alarm forwarding, escalation, and reporting enhancements added. Numerical values can now be assigned for alarm priorities.</li> </ul>	✓
<b>Fixes</b>	
<b>UI</b> <ul style="list-style-type: none"> <li>➤ Chrome - Time panel can now be opened by clicking the body of a time picker after upgrading Chrome to the latest version.</li> <li>➤ Log Graph - When zooming in on a graph, the <b>None</b> time label is now visible.</li> <li>➤ E3 Auto log off window no longer appears on the E3 panel after system time is changed to a later date.</li> <li>➤ Point unit and date no longer overlap on the Log Graph page.</li> <li>➤ Delete button now appears on the right edge of the screen.</li> <li>➤ General enhancements to the PIB firmware update screen message.</li> <li>➤ Copeland logo updated on header and Home screen.</li> <li>➤ Physical 4AO and 8RO Input and Output status are now aligned on screen.</li> </ul>	✓

## Supervisory Controller 2.29F02 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Supervisory Controllers 2.29F02
<b>Generic Alarm</b> > Generic Alarm for ACTIVE SETPOINT is now functioning properly.	✓
<b>XM678D_25</b> > <b>Refg Type</b> options now match the user guide.	✓
<b>Offline Alarms</b> > Issues involving a maximum number of connections no longer causes device offline alarms.	✓
<b>Alarm Communications</b> > Alarm Annunciator: <ul style="list-style-type: none"> <li>○ Alarms no longer remain on after the alarm condition was cleared.</li> <li>○ Alarm output and light no longer remain on when there is no active alarm.</li> </ul>	✓
<b>BACnet</b> > Certain conditions where Offline Delay was not recognized is now fixed.	✓
<b>XR75 CD</b> > Association in E3 is now functional.	✓
<b>16AI</b> > Input types can now be changed without having to delete associations.	✓
<b>Security</b> > AI AUX A unit can now receive the correct output in PSI. > Overrides are now functioning properly. > Backups created through Connect+ are now encrypted (2.26F02 and above).	✓
<b>Graphing</b> > Date format on graphs now matches the format selected in the Localization screen. > Point, Unit, and Date no longer overlap in Log Graphs.	✓
<b>MRLDS 250</b> > Connection is no longer disconnected resulting in a drop offline.	✓
<b>NVR Application</b> > Response Delay Parameter is now functioning as expected.	✓
<b>MQTT</b> > Secure Port 443 connection with MQTT protocol is now supported.	✓
<b>HTTPS Certificates</b> > Default certificates will no longer expire.	✓
<b>UltraSite to Controller Restore</b> > CCT-Stat: Device Address, OCCUPANCY, and Comp Lockout will now convert correctly. > Suction Group: Parameters will now convert correctly. > XM Circuits: Parameters will now convert correctly. > 8DO: Parameters will now convert correctly. > Analog Combiner: Parameters will now convert correctly. > 4AO: Parameters will now convert correctly.	✓

## Supervisory Controller 2.29F02 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Supervisory Controllers 2.29F02
<b>UltraSite Connectivity</b> ➤ Connectivity issues have been resolved.	✓
<b>Floor Plans</b> ➤ Controller no longer reboots when pulling E2 points for a Floor Plan.	✓
<b>Loop Sequence Control</b> ➤ PID Reset Mode <b>Keep Last Val</b> will now retain the last value.	✓
<b>ISD Application</b> ➤ <b>COMP RUN OUT</b> will now report the current run status of the compressor.	✓

### 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

### For Copeland Digital Cold Chain Technical Support

- 833-409-7505
- [ColdChain.TechnicalServices@Copeland.com](mailto:ColdChain.TechnicalServices@Copeland.com)

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](mailto:ColdChain.TechnicalServices@Copeland.com)