Site Supervisor

Update Advisory Site Supervisor 2.16F02

A new general release version of the Site Supervisor Controller firmware, version 2.16F02, has been released and is available for customer upgrade. For more information, visit the Site Supervisor 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

Site Supervisor 2.16F02 Adds the Following Features and Enhancements:

Table 1: Site Supervisor 2.16F02 Feature and Fix Matrix

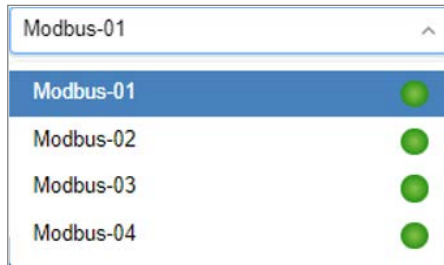| Features and Fix Descriptions	Supported in Site Supervisor 2.16F02
Features	
Added Support of the new E3 Controller	
➢ The E3 *(P/N 860-1300)* is a system that combines energy management with the ability to monitor various facility systems and provide alerts when there are issues that need attention. This system provides HVAC control, Refrigeration System Monitoring and Control, as well as Lighting Control. In addition, the E3 can monitor and report energy consumption and take action to reduce the energy demand during peak periods. This can have a direct impact on utility bills by reducing total energy costs. E3 ensures that the HVAC and lighting systems are on and off at the appropriate times. This ability to monitor store conditions can potentially minimize energy consumption.	✔

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Table 1: Site Supervisor 2.16F02 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Site Supervisor 2.16F02
Features Continued	

Control Inventory
- ➢ A COM Port bandwidth calculator has been integrated into the Control Inventory. In the drop-down list of the Port ID column, a color indicator has been added for the bandwidth condition.

Condition	Notes / Warning	Color Code
Good	No warning	Green
Notice	Bandwidth usage is high	Yellow
Alert	Controllers will exceed available bandwidth for this route, consider using another port.	Red

(✔ for Control Inventory row)

ADFs
- ➢ Improved the performance at startup of ADF loading.

✔

BACnet Connection
- ➢ Added BACnet connection to communicate with E2-like Rack Controller based on the Site Supervisor applications. The controller will communicate through BACnet MS/TP & IP allowing access to real time values using BACnet objects through our extraction layer. This will be a limited purpose rack control model. A new model with only proposed applications to control a rack: Suction group, Condenser control, Circuits.

✔

Floorplans
- ➢ Improved Floorplan performance.

✔

Device Status
- ➢ The status of devices configured for unused ports will no longer change from **No Port** to **Offline** on the Control Inventory screen.

✔

Alarm Annunciation
- ➢ Implemented a warning to check when the Site Supervisor is not selected as Alarm Annunciator on an E2 peer network.

✔

Table 1: Site Supervisor 2.16F02 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Site Supervisor 2.16F02
Features Continued	
AHU Enhancements ➢ Prevent users from setting the following: 　• Heating Occupancy Off setpoint lower than the Heating Occupancy On setpoint, which causes the heating to run continuously (will not turn off). 　• Cooling Occupancy Off setpoint higher than the Cooling Occupancy On setpoint, which causes the cooling to run continuously (will not turn off). _The following warnings will occur:_ [HT Cut Off Occ #]: Cutout (OFF) cannot be lower than the Cutin (ON) setpoint [CL Cut Off Occ #]: Cutout (OFF) cannot be higher than the Cutin (ON) setpoint	✔
Corrected Issues	
SubCooler ➢ Refrigerant R448A has been added to the refrigerant drop-down list.	✔
Alarm Priorities ➢ Upgrading firmware from 2.14F01 or 2.15F01 to 2.16F02 no longer changes alarm priorities to default values.	✔
Flex Combiner ➢ Engineering Units can be saved after associating analog inputs.	✔
Onboard IO ➢ Memory leak corrected to prevent Onboard IO from going offline. ➢ Expanded Information for inputs RUN SINCE RESET, RUN TODAY, and RUN YESTERDAY has been changed to track down in seconds instead of minutes.	✔
M400 ➢ Motor will now run when "DRIVE RUN FORWARD" is set to off.	✔
Onboard IO and IPX ➢ Relay output pointer names can now be changed.	✔
10-Inch Display ➢ Added SD card as an option to backup, restore, upgrade firmware, install ADF file, feature file upload, and install floorplans. ➢ Rotating the display from landscape to portrait and back to landscape will not increase the floorplan size.	✔
CoreSense ➢ Changed Site Supervisor logic to work the same as in the E2 for sensor module handling of COMP RUN PROOF. Proof is calculated to be ON when COMP RUN IN is ON and voltage readings are greater than 10 volts and the current is greater than 0.	✔

Table 1: Site Supervisor 2.16F02 Feature and Fix Matrix

Features and Fix Descriptions Corrected Issues Continued	Supported in Site Supervisor 2.16F02
Floorplan ➢ The time remaining for an override is now updating correctly. ➢ Color shades in the Site Supervisor now match the color shades in Connect+ ➢ Newly added system level images in Connect+ are now displayed in Site Supervisor. ➢ User role privilege to delete floorplans has been added for System Admin roles. ➢ Overrides made in a floorplan are now showing in the detail screen of the points. Overrides made in the detail screen of the points are now showing on the floorplan. ➢ When floorplans are beginning to load, icons are no longer flashing larger than normal. ➢ The Anti-Sweat application names and outputs in the Site Supervisor now match Connect+ ➢ Now all GsPushButtonOverride widget graphics are displayed in the floorplan.	✔
Physical IO Status Screen ➢ Input tab Edit mode now has the option to edit IPX digital input names.	✔
Alarms Screen ➢ Filtering with "From" date/time and "To" date/time now displays correctly.	✔
Apps and Devices Status Tab ➢ Tile point name with 63 characters now displays correctly in the tile point list.	✔

XM Circuit
➢ Added Comp Status properties for the association profile to now update this value with the following XM Devices:
  • XM670K
  • XM678D
  • XM679 4.2
  • XM678D 2.8
  • XR35CX 5.6
  • XR35CX 2.6
  • XM679K
  • XR75CX
  • XR75CX 2.6
	✔

Control Inventory Screen ➢ Application type is now sorting in the correct order. ➢ All duplicated CANbus devices are now able to be commissioned.	✔

E2 to Site Supervisor/E3 Restore
➢ Apps and Devices minutes and hours are now converting correctly for the following:
  • **Standard Circuits**
    o Alarms tab: Case Alarm Delay, Dly After Defr, Comb Alrm Dly
  • **AHU**
    o Alarms tab: Stpt Alrm Dly
  • **Suction Group**
    o Float Setpoint tab: Float Interval, Float Inhib Dly
	✔

MultiFlex RCB/RCB-P ➢ Reheat, Mod Heat, and Cool Heat are now options for RCB Outputs.	✔
System Time ➢ Site Supervisor time will not change after recovering from a power outage.	✔

Table 1: Site Supervisor 2.16F02 Feature and Fix Matrix

Features and Fix Descriptions	Supported in Site Supervisor 2.16F02
Corrected Issues Continued	
Site Aggregator ➢ Changes made on a non-Site Aggregator status tab and tile will now update on the Site Aggregator home screen tile. The Site Aggregator will use the default tile points if the username does not exist on the peer unit.	✓

Who Should Update

Copeland recommends that all customers upgrade their Site Supervisor Controllers and PCs running Connect+ to the latest version to take advantage of the latest fixes and enhancements listed above.

All customers who meet one or more of the requirements below are advised to upgrade: Customers using any of the features listed in Table 1:

Table 2: Site Supervisor and Connect+ Compatibility Matrix

Site Supervisor Version	
Connect+ Version	2.16F02
1.5.0	✓

Connect+ Update Required

Site Supervisor version 2.16F02 requires Connect+ 1.5.0 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 Site Supervisor Controllers. Contact Copeland for more information about upgrading.

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Scan the QR code to access the Supervisory Control Platform web page:

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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