

CYLON® TECHNICAL BULLETIN NO. 472

Issue Date: 01 November 2021

CXpro^{HD} v1.05

Summary

Support has been added for FusionAir Smart Sensor.

Background

As part of ABB's policy of continuous improvement, new BMS products are being introduced. CXpro^{HD} is updated in parallel to support the new products.

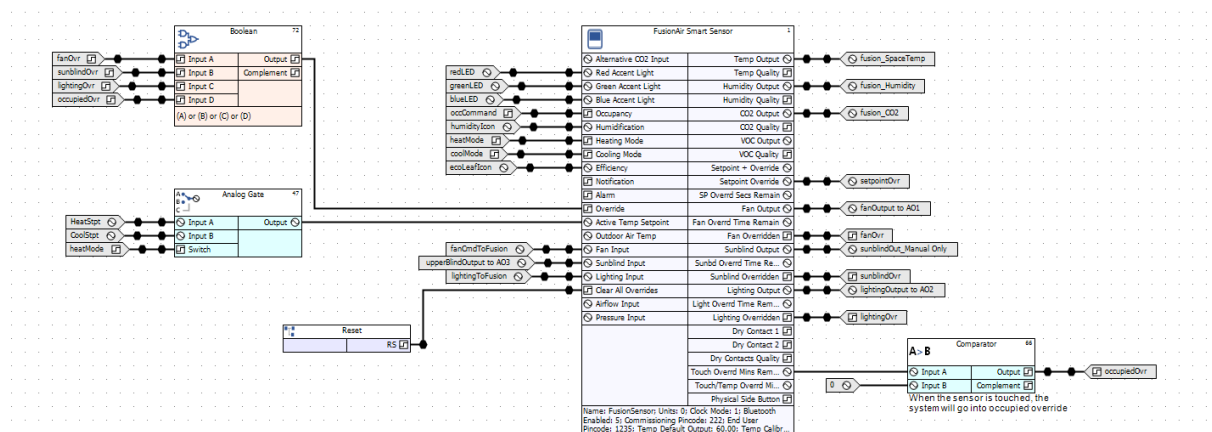
Features

1. Support has been added for the FusionAir sensor.
2. Several issues have been resolved.

ENHANCEMENTS

FUSIONAIR CONFIGURATION

CXpro^{HD} now includes a dedicated Strategy Module for configuring FusionAir Smart Sensor devices.



The FusionAir Smart Sensor module provides functionality with the FusionAir Smart Sensors. The module gives the strategy writer full control over how the sensors are configured and operate, how they respond to inputs and what they display. Configuration options include screen display, LED colors, and override control. The sensor can be easily configured to be as minimalistic or as comprehensive as desired, all from the strategy. No additional software is needed.

Note : The FusionAir Smart Sensor module is supported only with CBV / CBT / CBX Firmware version 9.0.0 or later.

SITE ORGANISER

Added a new feature to site organiser that allows upgrade of FusionAir stats

SAMPLE APPLICATIONS

Added the new V3.0 sample apps sites (SI & US) to the install. These replace the V2.0 versions.

RESOLVED ISSUES

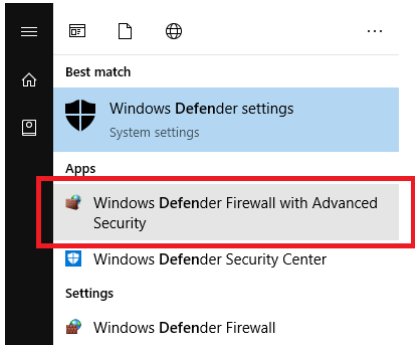
- ST-8591 The **Properties Window** is now refreshed correctly when the selection changes to a property with a button.
- ST-8659 Fixed module drawing issue on the **Compare** dialog.
- ST-8663 Increased FBXi module limit to **5000** for FW v9.0.0 and above.
- ST-8818 Fixed issue with changing setpoint value after running Simulation.
- ST-8857 Added prompt for user to close a strategy if open, and to import it to another site/controller.
- ST-8858 Improved message when **Modbus** modules are disabled because the controller does not support Modbus.
- ST-8873 Improved the speed of strategy download.
- ST-8885 Updated **NBPro** to the latest version to include profiles for the **FusionAir Smart Sensor**.
- ST-8893 Fixed issue with some **HASP/Sentinel** licences that could occur when the "customer name" on the licence was very long.
- ST-8894 Handle **CBR2/Mod** devices when importing a V7 site.
- ST-8901 Fixed issue with deleting a line that was selected by selecting a strategy area.
- ST-8912 Added check for HW Module type and I/O point type compatibility.
- ST-8919 Fixed issue when clearing the **weekly-schedule** BACnet property.
- ST-8921 Removed text in list control for BACnet weekly schedules when the list is empty.
- ST-8923 Disabled ability to change BACnet **Schedule Default Data type** property (and other Enumerated properties that should not be changeable).
- ST-8925 Updated handling of module address parameters so that they use the "most logical" address when adding through macros, rather than the value when the macro was created.
- ST-8928 Fixed issue with setup of Modbus RTU ports.
- ST-8930 Fixed issue where multiple errors were being displayed when editing some module BACnet properties.
- ST-8931 Stopped dropdown from displaying for Boolean properties that cannot be changed by the user.
- ST-8956 Fixed line drawing issue when scrolling in the strategy.
- ST-8957 Updated **FBXi** virtual and set point limit to 5000.
- ST-8959 Updated the licensing check that verifies the license hardware.
- ST-8973 Fixed issue with the **Duty Standby** module in Simulation.
- ST-8980 Fixed crash issue which could occur when comparing a strategy.
- ST-8982 Added help text around the sample rate decay information for analog inputs.
- ST-8998 Fixed issue where an unconnected Trendlog module was showing as 'different' after download to the controller.
- ST-9001 Fixed issue where modbus devices above address **12** were not being configured correctly. Also reset the **FBXi** modbus limits to **32** devices and **320** points.
- ST-9002 Fixed issue when importing some old macros into the **Engineering Tool**.
- ST-9003 Fixed issue where **FLX** Universal Inputs could be assigned the wrong high/low threshold values.
- ST-9020 Fixed issue where changing some module properties was not working correctly. This applied to **Analog Outputs**, **Integer Constants** and **BACnet Broadcast Rx** modules.
- ST-9034 Added check and warning if modules are outside the page boundary when opening a strategy.
- ST-9036 **NBPro** now shows the correct number of configured Modbus devices
- ST-9042 Fixed issue where downloading a strategy with a large amount of analog \ digital points was crashing the **Site organiser**.

- ST-9043 **Livelog** now handles user entered non-hardware point ranges correctly.
- ST-9044 Increased the max exposed BACnet points on the **FBXi-X256** from 2500 to 5000
- ST-9057 **Mass commissioning** will now include support for writing all BACnet points and not just setpoints.
- ST-9065 Fixed issue where an analog output could be incorrectly disabled in a strategy.
- ST-9067 A progress dialog is now displayed when loading BACnet point details to prevent user from closing the strategy.
- ST-9084 Fixed issue when adding macro with more than 5000 total setpoints and modules.
- ST-9085 Fixed issue with simulating a **strategy** with more than 1024 blocks.
- ST-9086 Fixed issue where a duplicate strategy point could be created by renumbering a line.
- ST-9096 Fixed issue with commissioning a large site where an error message was being displayed before the process had finished.
- ST-9099 Removed the limit of 256 macros in a single strategy.
- ST-9100 Fixed drawing conflict caused by connecting lines to both **Analog Input** and **Digital Input** nodes of a Trendlog inside a macro.
- ST-9104 Fixed issue with pasting destination connectors that are linked to hardware points.

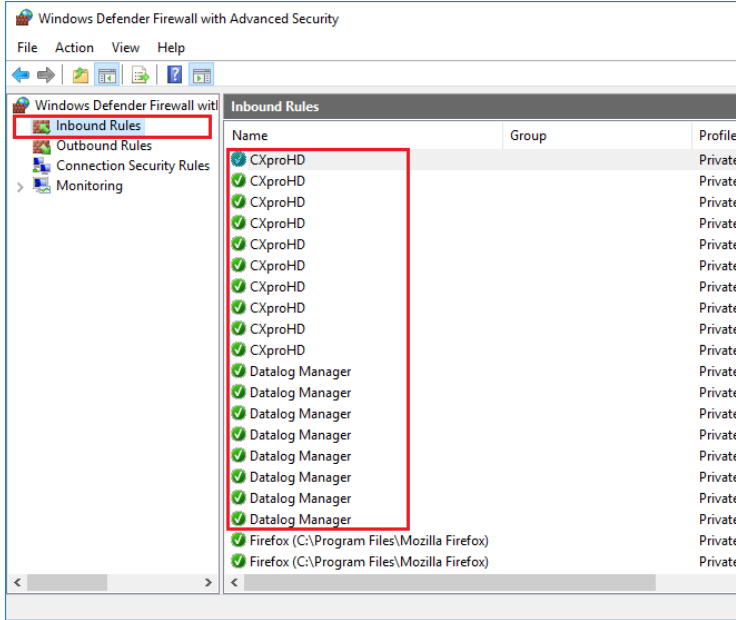
KNOWN ISSUES

1. A specific Firewall setting has been reported to block broadcast BACnet packets, causing a situation where users must enter BBMD settings in CXpro^{HD} to allow communication when PC and devices are on the same local network. This setting can be disabled as follows:

- o Open Windows Defender Firewall with Advanced Security



- o Select Inbound Rules and disable / delete rules associated with CXpro^{HD} and Datalog Manager:



2. On all IP controllers with firmware versions earlier than 8.3.6, some of the strategy may not be retained during a firmware upgrade run from the Site Organiser.
This version of CXpro^{HD} will detect the problem and warn the user that they must uncheck the 'Retain Strategy' option when upgrading firmware on these controllers. The strategy would then need to be re-downloaded separately following the firmware upgrade.
3. The firmware upgrade of CBXi controllers using the Site Organiser can sometimes fail. This is usually resolved by re-running the upgrade operation or upgrading the controller firmware via the web page.

Customer Impact

Customers who wish to enable FusionAir Smart Sensor functionality should upgrade to this version of CXpro^{HD}.

Any customer affected by any of the issues listed above should upgrade when convenient.