

Onyxx[®] Data Pump

QUICK START GUIDE



Introduction

The Onyxx[®] BACnet[®] to Haystack Data Pump allows for BACnet data to be converted into Haystack data following the Project-Haystack protocol. The Onyxx BACnet to Haystack Data Pump is built upon the Onyxx[®] platform and the user interface is accessible through a standard Web browser. A general understanding of the Onyxx platform is expected as this QUICK START GUIDE only covers the set-up of your Onyxx-BACnet to Haystack Data Pump.



Quick-Start

The inputs support 10K Thermistor temperature sensors using a Thermistor Input Point. Input accuracy is in the range of $\pm 1\%$ of span. By default, conversion is for a standard Type 3 thermistor sensor, with a sensor range of -10° to 135°F (-23.3° to 57.2°C). Using a conversion type of "Tabular Thermistor," you can specify a different thermistor response curve, by importing a thermistor curve .xml file.

Logging into the Data Pump

Log into the Data Pump by pointing your browser to **192.168.1.101**

- ✓ Click the **SETTINGS** tab and enter the password for the Data Pump (*the default password is: password*).

Go to the **GENERAL** tab.

- ✓ Set the device date and time and time-zone.
- ✓ Enter your site name and address.
- ✓ Click the **SAVE** button.

Go to the **TCP/IP** tab.

- ✓ Enter the IP Address, Subnet Mask, and Default gateway for this device (*unless DHCP is available*).
- ✓ Enter the DNS servers for your network.
- ✓ Click the **SAVE** button.

Go to the **BACNET** tab.

- ✓ Enter a *Name* and *Description* for your device.
- ✓ Enter a unique *Object ID*. This is required by the BACnet protocol.
- ✓ Ensure that the **BACNET IP ENABLED** box is checked if you are using that protocol (*most do*).
- ✓ If you are using MS/TP, ensure that the **ENABLED** box is checked there (*most don't*).
- ✓ If you are using BACnet Ethernet ensure that the **ENABLED** box is checked there (*most don't*).

Adjust the BACnet polling rates here if you wish. (*This is the rate at which the Data Pump will poll your BACnet devices for current value*).

- ✓ Click the **SAVE** button.

Go to the **HAYSTACK** Tab.

- ✓ Enter the URI for your project <http://yourserver/api/projectname/> (*remember, this is case sensitive*).
- ✓ Enter the project name for your SkySpark project in the project field.
- ✓ Enter the SkySpark username/password for your SkySpark project.
- ✓ Ensure the **DATA PUSH ENABLED** box is checked.
- ✓ Enter the rate you want the Data Pump to send data to your SkySpark server (*the default is once per hour*).
- ✓ Click the **SAVE** button.

Click the [TEST HAYSTACK CONNECTION](#) button.

- ✓ If everything so far has been done right, you will see a green message that says:
 - [Connection to Haystack Server Successful.](#)
- ✓ If something is wrong, you will see:
 - [Connection to the Haystack Server Failed.](#)
- ✓ If the connection fails, ensure that your Data Pump has internet access.
- ✓ Ensure that the URI is entered correctly, and re-enter the user name and password.

Discovery of Points

Now you are ready to discover points.

Go to the [CONFIGURATION](#) tab.

- ✓ After the Haystack window has completely loaded, click the [DISCOVERY](#) button.
- ✓ Wait for the device discovery process to finish. A blue bar will show you its progress.
- ✓ Choose a device that you want to get points for and click the [+](#) sign next to that device.
- ✓ Select all desired points and click [ADD](#).

Once you have added all the points you want to track click the [SYNC](#) Haystack. It could take a long time for the sync to complete, depending upon how many points you have added. When the Sync button turns *gray* and the *Out of Sync* message goes away, the sync has been completed successfully.

Now, you can go to your Skyspark project and you will see all the points you have added, and the Data Pump will begin collecting histories for these points and sending them to Skyspark on the schedules you selected.

Technical Support

Thank you for selecting Lynxspring products. Please contact our Support Team if you have any questions about installing or setting up your Onyx Data Pump (BH311).

support@lynxspring.com | toll free: 1-877-649-5969

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