

Onyxx[®] BACnet[®] to Haystack Data Pump

PRODUCT DATA SHEET



Onyxx-BH311



Meaningful, Accurate and Real-Time Data

There is an ever increasing variety of equipment, sensors, valves, meters, devices and building automation systems. Likewise, there has been a dramatic increase in the volume of data available from these types of systems. Data is delivered in various formats, naming conventions and syntaxes. The challenge today, is how to best access, manage and extract the *data you need, when you need it*.

Streamlining the exchange of data from BACnet and building systems, the Onyxx[®] BACnet to Haystack Data Pump provides the perfect solution for your network communication and data exchange needs.

The Helixx[™] Framework is embedded in the Onyxx Data Pump and handles BACnet to Haystack protocol translation between BACnet points to manageable Haystack points. With the Helixx Framework onboard, no third-party software or programming experience is required to access and configure your Onyxx Data Pump.

Utilizing a standard browser, you directly connect to configuration screens, documentation, device settings, and software tools to successfully complete your project.

Features

- ✓ BACnet to Haystack network communication and data exchange
- ✓ Handles the protocol translation, translating BACnet points to manageable Haystack points
- ✓ Manages all BACnet/IP/BACnet/Ethernet and BACnet MS/TP devices connected to it
- ✓ Compatible with all Haystack servers
- ✓ Direct connect with a standard browser
- ✓ Haystack output is client/server-based
- ✓ 3GB of data storage onboard
- ✓ Pushes data and protects integrity
- ✓ Local data storage—capacity 30 days
- ✓ Defaults every 30 days—overwrites
- ✓ 35 mm DIN rail or flat panel mounting

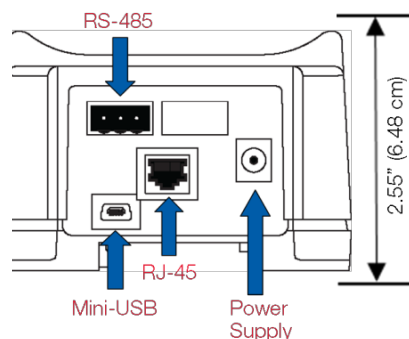
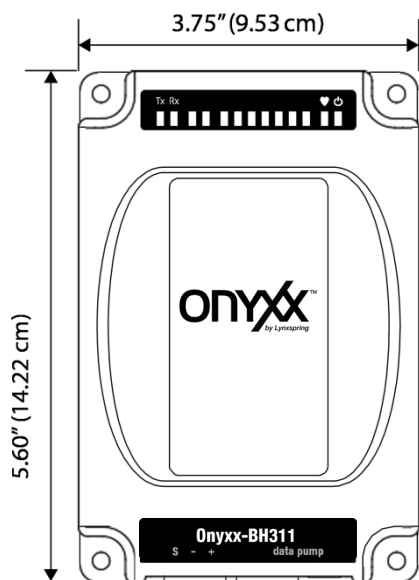
Easy Set-Up, Programming and Installation

- Intuitive Internet browser user interface allows for easy set-up and configuration
- Documentation guides are embedded on the controller
- 10/100 Mbps Ethernet port with auto-negotiation
- Optically-isolated, transient protected RS-485 serial port makes for easy install of 3-wire (+, -, and shield) RS-485 networks utilizing the 3-screw removable terminal block
- LEDs indicate power status, unit health, and transmit and receive activity

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Dimensions



Specifications

PLATFORM	
Operating System	Helixx™ Framework by Lynxspring®
Processor	1 GHz AM335x ARM Cortex A-8
Memory	512 MB DDR3L 800 MHz, 4 GB 8-bit embedded MMC onboard flash
COMMUNICATION PORTS	
Ethernet Port	10/100 Mbps (<i>RJ-45 Connector</i>)
RS-485 Port	Optically-isolated RS-485 serial port with 3-screw connector
Mini-B USB	USB client connector utilizes 5-pin mini-B USB cable
POWER	
Power Input	External 9 to 15 VDC 1A power supply
CHASSIS	
Construction	Base: Plastic, DIN rail or screw mount Cover: Plastic
Cooling	Internal air convection
Dimensions	3.75" (9.53 cm) width x 5.60" (14.22 cm) length X 2.55" (6.48 cm) depth
Mounting	Flat panel and 35mm DIN rail mounting options standard
ENVIRONMENT	
Operating Temperature	0 – 40 °C (32 – 104 °F)
Storage Temperature	0 – 70 °C (32 – 158 °F)
Relative Humidity	5 – 95% RH, non-condensing
CERTIFICATIONS	
Compliance	FCC Part 15 Class A, RoHS, CE, CAN ICES-3(A)/NMB-3(A)
WEIGHT	
Product with Cables	2 pounds
Product and Packaging	3 pounds

Ordering Information

PART NUMBER(S)	DESCRIPTION
Onyx-BH311	BACnet to Haystack Protocol Translator. Packaging will include: One (1) Onyx-BH311 Data Pump, one (1) 15 VDC 1A external power supply, and one (1) 7 ft. Ethernet cable.

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