

A8810-COD and A8810-CDX Data Acquisition Server



A8810-COD



A8810-CDX

Description

Leviton VeriEye™ NEMA Communication Bundles combine VeriEye's Data Acquisition products into one enclosure for a Leviton-exclusive, all-in-one, communication solution for indoor use only. All VeriEye NEMA communication bundles have one part number and are factory pre-assembled for ease of ordering eliminating the need for field assembly.

Embedded OEM Solution

The compact EMB footprint and industrial temperature range (-30° to 70°C) makes this a perfect solution for embedded applications. Reduce development time and speed up integration by collecting and distributing energy information directly from your equipment.

Data Collection

The EMB Hub collects and logs data from connected (wired or wireless) devices based on user selected intervals. Data from downstream devices is time stamped and stored locally in non-volatile memory until the next scheduled upload or manual download. Using an Ethernet (LAN) connection you can push or pull data via HTTP, XML, FTP or any custom protocol utilizing our EMB Hub Module to build your own application, including integrated cellular communication options.

Compatibility

The EMB Hub is compatible with nearly any front-end software platform allowing customers to use a variety of reporting tools; whether it's a local server or an enterprise wide reporting suite.

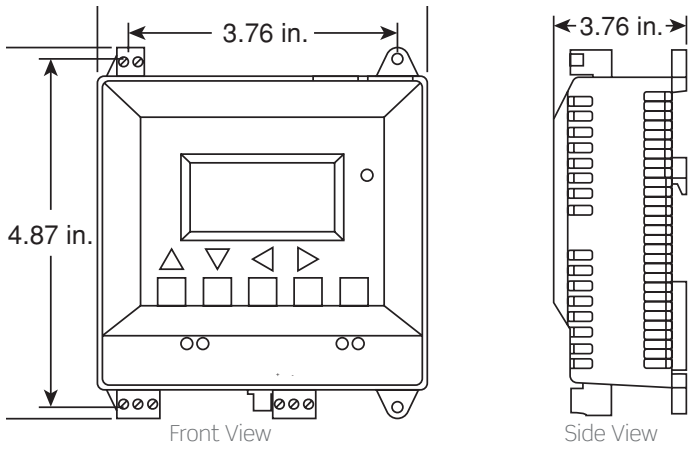
Installation & Features

No software is required. Easily access information through your web browser. There are several additional features including alarming, SNMP Traps, network configuration, wireless diagnostics, USB, security provisions and backlit LCD. Our integrated meter driver library is designed to speed up installation and lower integration costs through "plug-and-play" connectivity. The A8810-CDX integrates the DAS with a power supply into a NEMA 4X enclosure, which is factory pre-wired for ease of ordering, eliminating the need for field assembly.

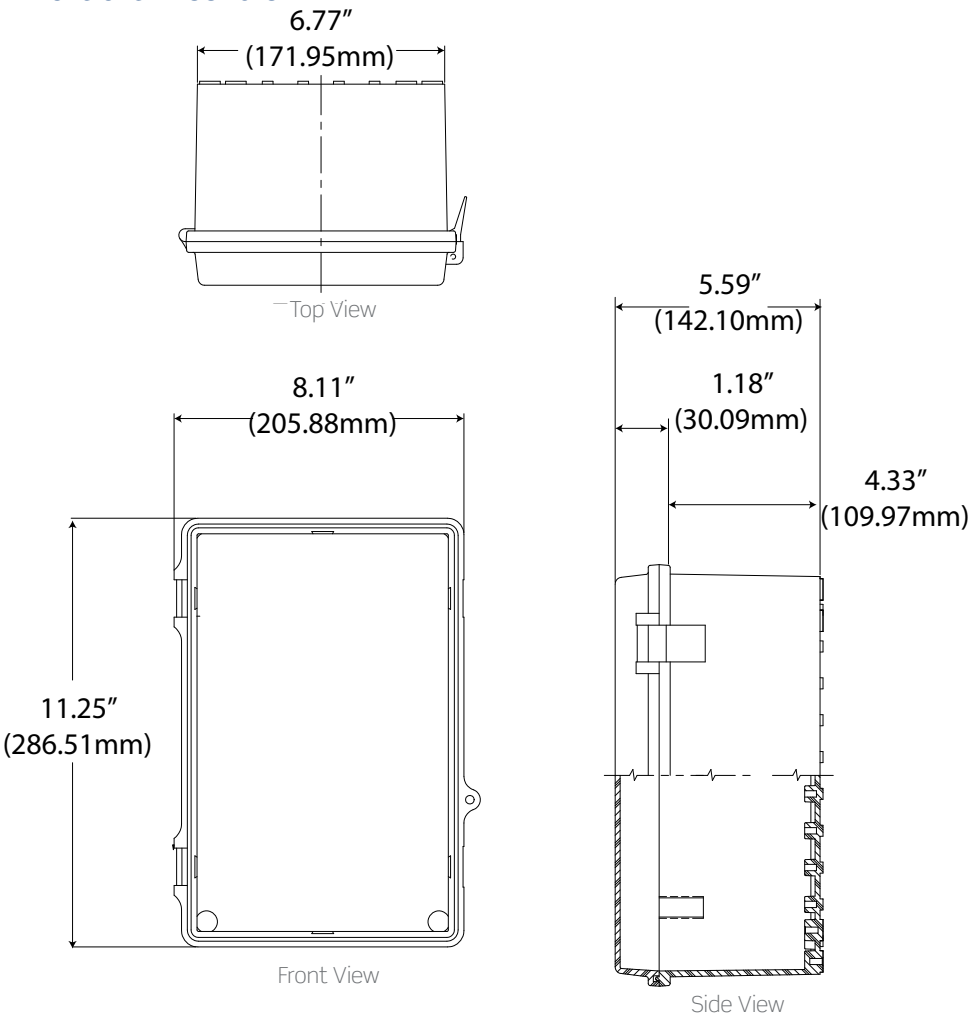
Applications

- Code compliance reporting
- Measurement and verification (M&V)
- Tenant billing
- Reduce energy costs
- Access energy information from local or remote sites
- Benchmark building energy usage
- View "real time" performance data
- Track energy use and peak demand for Demand Response programs
- Monitor performance of critical systems (lighting, HVAC, PDUs, inverters, etc.)
- Alarm notification for data points above or below target levels (including SNMP Traps)
- Monitor renewable energy performance and production
- Push or pull meter data to energy dashboards, kiosks and software applications
- Manufactured in U.S.A
- Supports code compliance applications like ASHRAE, IECC, 2022 CA Title 24, and LEED

Dimensions - A8810-COD



Dimensions - A8810-CDX



Specifications

A8810-COD		A8810-CDX
Processor	ARM9 embedded CPU	
Operating System	Linux 2.6	
Memory	32 MB RAM	
Flash ROM	16 MB NOR Flash (expandable with USB memory device)	
Interval Recording	1 to 60 minutes, user selectable (default 15 minutes)	
LEDs	Ethernet, Modbus TX/RX, power, alarm	
Console	2 x 16 LCD character, two push buttons	
Power		
Power Supply	24VDC, 500mA* *This unit is to be sourced by a Class 2 power supply with the following output: 24VDC, 500mA min not to exceed 8A	100-277VAC 50/60Hz, 1.5A Max, Class II, double insulated
Isolation	RJ45 Ethernet and RS-485 port are isolated to 1500VDC from the main board (Power and USB non-isolated)	
Communication		
Protocols	Modbus/RTU, Modbus/TCP, TCP/IP, PPP, HTTP/HTML, FTP, NTP, XML, SNMP-Trap	
LAN	RJ45 10/100 Ethernet, full half duplex, auto polarity	
USB	USB expansion port	
Inputs		
Serial Ports	2 RS-485 Modbus, each supporting up to 32 external devices (64 devices total)	
Physical		
Weight	0.42lbs (0.19kg)	-
Size	4.61" W x 5.19" H x 1.9" D (117.1mm x 131.9mm x 48.3mm)	12" W x 14" H x 6" D (304.8mm x 355.6mm x 152.4mm)
Environment		
North America	-30 to 70C, 95% RH, non-condensing	
Altitude	2000M max	
Pollution	Degree 2	
Codes & Standards		
FCC CFR 47 Part 15, Class A, EN 61000, EN 61326, CE, UL61010 Recognized		

Ordering Information

EMHxx	
Cat. No.	Description
A8810-COD	Energy Monitoring HUB, 1 Ethernet, 1 Modbus (RS485)
A8810-CDX	Energy Monitoring HUB with line voltage power supply, NEMA 4X enclosure
YBM07-001	Power Supply, required for use with A8810-COD

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