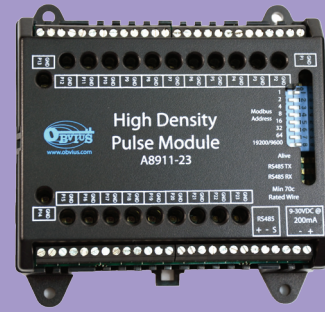


Pulse Input Module



A8911-23

Up to 23 Separate Pulse Inputs

DESCRIPTION

The A8911-23 Input Module provides an easy way to integrate multiple pulse output devices to Modbus systems such as the Veris AcquiSuite data acquisition network. The A8911-23 accepts up to 23 standard pulse sensors and can function as a slave device with any Modbus master. This data can be networked to other critical energy sensors such as Veris Modbus power meters to provide a comprehensive energy monitoring solution.

APPLICATIONS

- Demand response program control and reporting
- Cost allocation to tenants and third parties
- Measurement and verification of energy savings
- Gas, water, steam, and BTU meters
- Monitoring performance of building systems (e.g., chillers, boilers, fans)

FEATURES

- External communications via shielded twisted pair 18-22 gauge wire...allows communication up to 4000 feet
- Pulse input communication up to 200 feet using 18-24 gauge control wire
- DIN rail mounting...quick and easy installation
- Onboard DIP switches for Modbus addressing
- Industry standard pulse inputs connect to most pulse output meters
- LED verification of RS-485 Modbus TX/RX communications
- LED indicators for each pulse input...fast indication and verification of pulses
- Non-volatile memory retains configuration and pulse count totals during power failures

SPECIFICATIONS

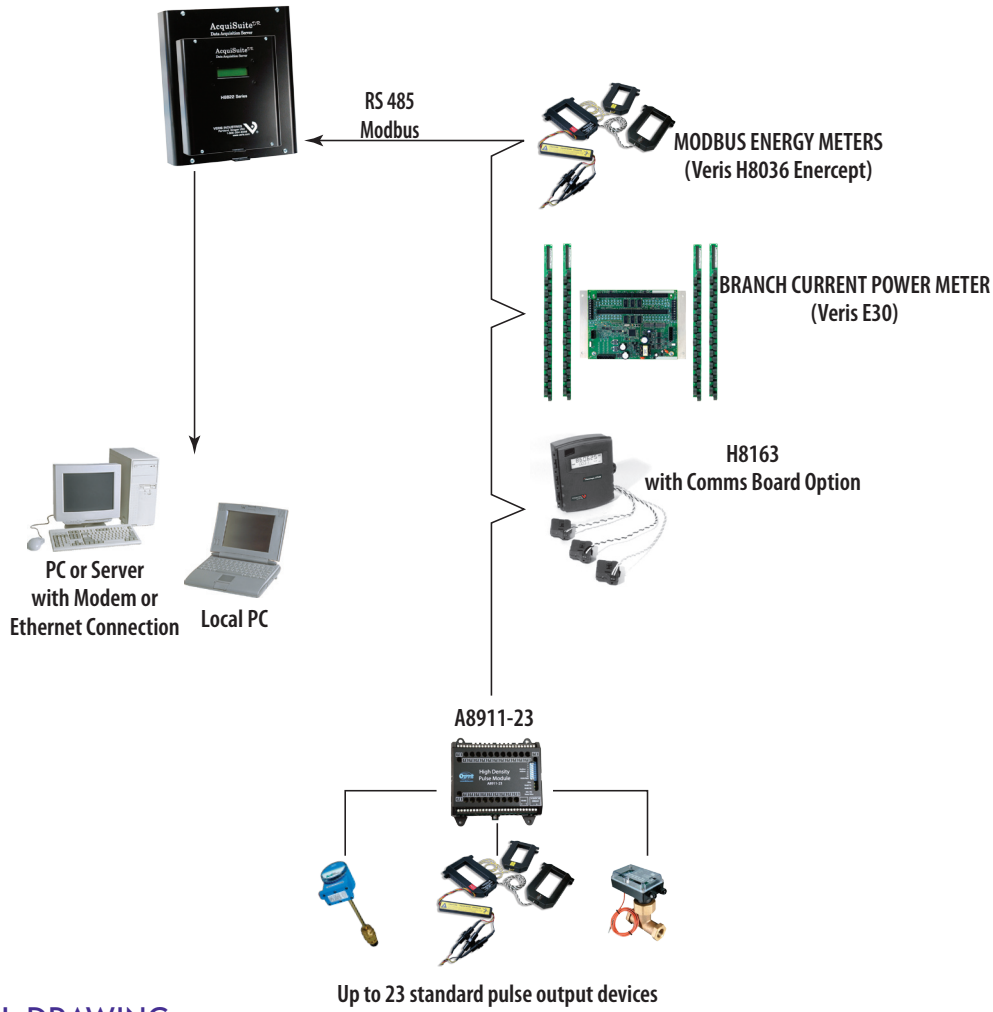


Processor	ARM 7, field upgradable firmware
LED	23 input status LEDs (red), 2 Modbus TX/RX (yellow), 1 power/alive status (green)
Protocols	Modbus/ RTU
Power Supply	9VDC to 30VDC, 200mA (not included)
Serial Port	RS-485 2-wire, 19200 or 9600 baud. N81
Pulse Inputs	23 independent pulse count inputs; 32-bit pulse counter; rolls over at 4.295 billion per channel; Intended for use with dry contact outputs; pulse count values stored in nonvolatile memory; Pulse rate/width user selectable to 10 Hz, 50 Hz, or 100 Hz
<i>Minimum Pulse Width:</i>	
10 Hz Mode	50 msec
50 Hz Mode	10 msec
100 Hz Mode	5 msec
Contact Closure Threshold	100Ω to 5kΩ (user selectable)
Isolation	Pulse inputs, power inputs and RS-485 are non-isolated
<i>Operating Environment:</i>	
North America	Indoor, 0° to 50°C (32° to 122°F), 0-95% RH noncondensing
EMC	FCC CFR 47 Part 15, Class A

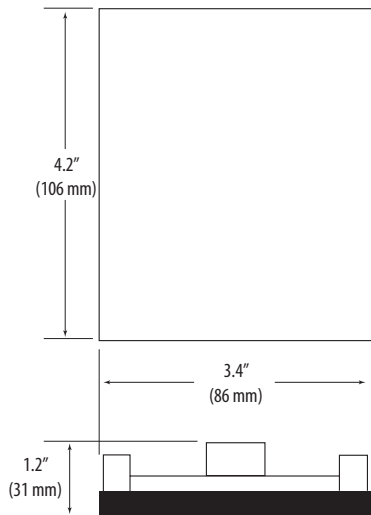


A8911-23 is sold as an open device. Observe handling precautions for static sensitive devices to avoid damage to the circuitry which would not be covered under the factory warranty.

APPLICATION/WIRING EXAMPLE



DIMENSIONAL DRAWING



ORDERING INFORMATION

MODEL	MANUF. PART #	DESCRIPTION
U013-0010	A8911-23	Pulse input module (up to 23 standard pulse devices)