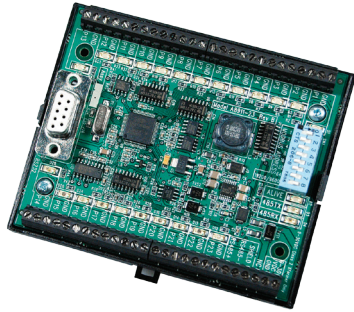


A8911-23

Up to 23 Separate Pulse Inputs



A8911-23

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.

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	9 Vdc to 30 Vdc, 200 mA (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

MINIMUM PULSE WIDTH

10 Hz Mode	50 msec
50 Hz Mode	10 msec
100 Hz Mode	5 msec
Contact Closure Threshold	100 Ω to 5 kΩ (user selectable)
Isolation	Pulse inputs, power inputs and RS-485 are non-isolated

OPERATING ENVIRONMENT

	Indoor use only; 0 to 50 °C (32 to 122 °F), 0 to 95% RH non-condensing
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WARRANTY

Limited Warranty	2 years
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AGENCY APPROVALS

Agency Approvals	FCC CFR 47 Part 15, Class A
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4000 ft. communication

External communications via shielded twisted pair 18 to 22 gauge wire...allows communication up to 4000 feet

200 ft. pulse communication

Pulse input communication up to 200 feet using 18 to 24 gauge control wire

DIN rail mount

Quick and easy installation

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)

DIP switches

Onboard DIP switches for Modbus addressing

Pulse inputs

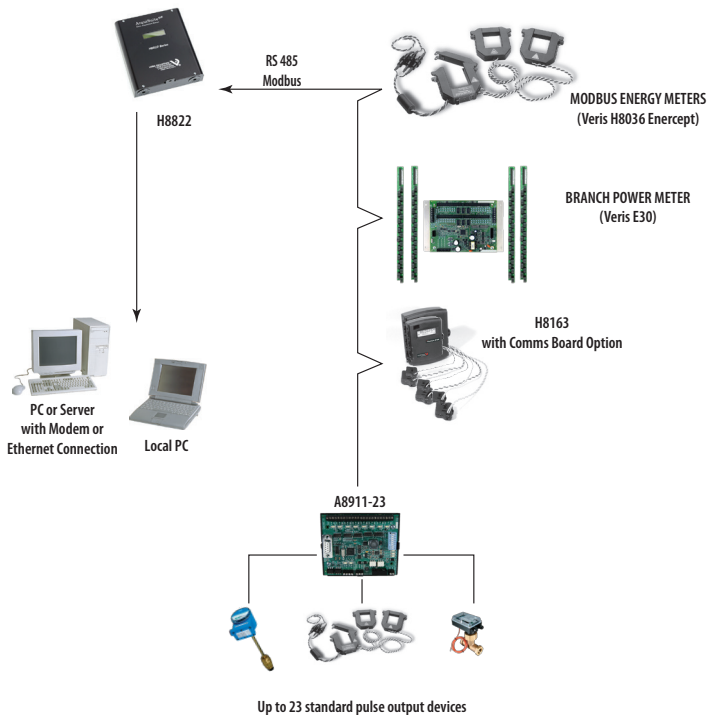
Industry standard pulse inputs connect to most pulse output meters

LED verification

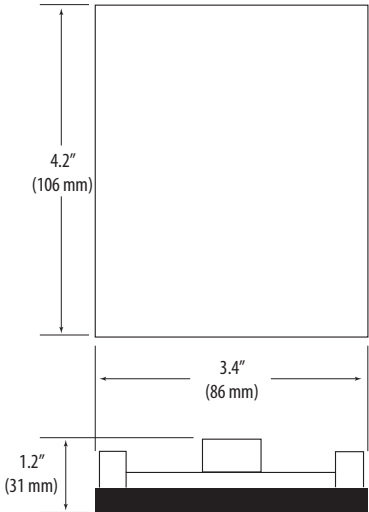
LED verification of RS-485 Modbus TX/RX communications



APPLICATION EXAMPLE



DIMENSIONAL DRAWING



ORDERING INFORMATION

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