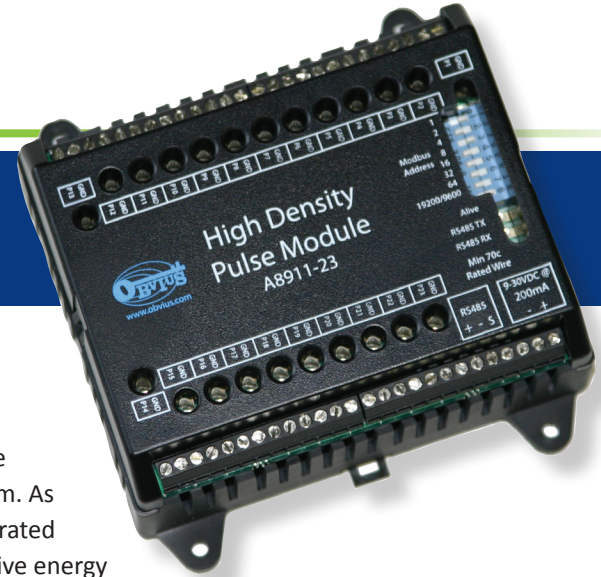# obvius

Energy Information Made Obvius

HD Pulse Module
Analog/Digital Modbus Converter

HD PULSE A8911-23

The HD Pulse Module is a cost-effective, simple way to collect data from multiple pulse meters and bring that information into a Modbus network or energy monitoring system. As a stand alone device or bundled package, the Obvius HD Pulse Module can be incorporated with meter enclosures, data acquisition and wireless metering to provide a cost-effective energy monitoring solution.

WHY USE THE OBVIUS HD PULSE

- Designed specifically for metering applications
- Easily add meters to a Modbus network
- Perfect for meter banks
- 23x independent pulse inputs
- Non-volatile pulse count registers
- LEDs for visual verification / status
- Din or wall mount for easy installation
- Field upgradable firmware

COMPATIBILITY

The HD Pulse Module is compatible with virtually any PLC or Modbus Master, allowing customers the flexibility to use the HD Pulse in existing Modbus networks. Use with the Obvius AcquiSuite and take advantage of plug-and-play communication or use with the Obvius ModHopper for wireless communication. Ask about the Obivous Commissioning Console, a free commissioning software.

PARTNERS

Obvius' outstanding integration and software partners supplement our products and services to ensure you receive the very best energy monitoring solution.

APPLICATIONS

- Converting pulse inputs to Modbus
- Utility submetering (electric, gas, water, etc.)
- Multi-family housing
- Cost Allocation
- Measurement and Verification
- Benchmark building energy usage
- Track energy use and peak demand for Demand Response

ABOUT OBVIUS

Obvius manufactures data acquisition and wireless connectivity products specifically for energy management. We deliver cost-effective, reliable hardware designed to speed up installation. Our products are based on an open architecture allowing our customers to collect and log energy information from virtually any meter or sensor. The ability to support multiple communication options provides remote access to all your energy information. Founded in 2003, Obvius is located in Tualatin, Oregon. We serve a global clientele and continue to drive innovation by simplifying data collection.

SOLUTIONS

- Data Acquisition
- Wireless Communication
- Meters & Sensors
- Custom Packaged Solutions
- Integration & Software Partners

Distributed By

MVC
Meter, Valve & Control
877-566-3837

HD Pulse – A8911-23

Obvius helps customers collect and distribute energy information. Users can begin with one best-of-breed product that satisfies a requirement, or incorporate several products and services for a complete energy management solution.

Specifications	
Processor	ARM7, field upgradable firmware
LEDs	23x input status LEDs (red), 2x Modbus TX/RX (yellow), 1 power/alive status (green)
Memory	Pulse count and runtime values are stored in non-volatile memory
Power	
Power Supply	9-30VDC, 200mA but not to exceed 8A, Required (not included)
Communication	
Protocols	Modbus/RTU
Inputs	
Pulse Mode	23x independent pulse count inputs Intended for use with dry contact outputs (consumption/rate/runtime/status) Standard and KYZ modes for form A and C relay outputs Pulse rate/width user selectable to 10Hz, 50Hz or 100Hz Pulse rate option: 10Hz, minimum pulse width 50ms Pulse rate option: 50Hz, minimum pulse width 10ms Pulse rate option: 100Hz, minimum pulse width 5ms Adjustable contact closure threshold: 100Ω to 5kΩ
Serial Port	RS-485 two wire, 19200 or 9600 baud, 8N1
Physical	
Weight	3.7oz (105g)
Size	4.13" x 3.39" x 1.18" (105mm x 86mm x 30mm)
Environment	
North America	-30 to 70C, 0-95% RH, non-condensing
Altitude	2000M max
Pollution	Degree 2
Codes and Standards	
FCC CFR 47 Part 15, Class A, EN 61000, EN 61326	
Additional Notes	
NEMA enclosures available upon request	
For use with any Modbus RTU device / server	
Manufactured in the USA	