

IDAS-MH-HD

IDAS · Integrated Data Acquisition Solutions



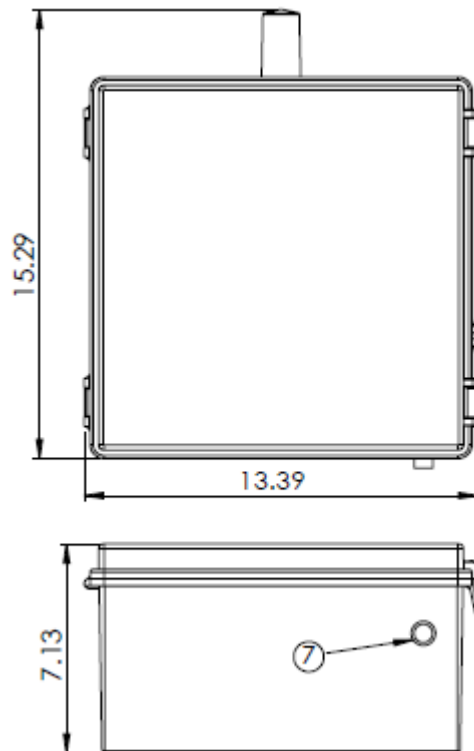
DESCRIPTION

Obvius Integrated Data Acquisition Solutions (IDAS) are designed to simplify the installation process and reduce logistical headaches. The IDAS-MH-HD panel features our versatile A8911-23 HD Pulse Module, and R9120-5T ModHopper. Easy to use and drop-in ready, the IDAS-MH-HD provides a powerful, and scalable, solution to wirelessly transmit data from pulse output devices back to a central access point.

HARDWARE FEATURES

- Obvius A8911-23 HD Pulse Module allows users to add up to 23 Pulse output devices to any Modbus Network
- R9120-5T ModHopper utilizes mesh network RF technology to wirelessly transmit distributed meter and device data back to a centralized point.
- Robust 900MHz for long distance communication: 3000ft Indoor / 14 Miles LOS
- Wide-range 100-277VDC power supply allows for flexible use in a variety of applications

DIMENSIONS



SPECIFICATIONS

COMPONENTS	
IO Module	A8911-23 HD Pulse Module
Wireless Transceiver	R9120-5T ModHopper
DC Power	Leviton PST24-I10, 24V 30W, 100-277V Range
COMMUNICATION	
IO Module Inputs	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
IO Module Output	Modbus RTU 2-wire
ModHopper Inputs	Modbus RTU, 2-wire. 2x Pulse, dry contact, standard or KYZ, closure threshold 100Ω to 2.5Ω user selectable
Modbus RTU	Approximately 32 devices per ModHopper (subject to site conditions)
Pulse	User selectable to 10Hz, 50Hz, 100Hz <ul style="list-style-type: none"> • Pulse rate option 10Hz, minimum pulse width 50ms • Pulse rate option 50Hz, minimum pulse width 10ms • Pulse rate option 100Hz, minimum pulse width 5ms
ModHopper Output	Modbus RTU 2-wire
COMPLIANCE	
UL, CE, ETL	
Warranty	5 year
POWER	
Voltage Inputs	120-277VAC, single phase, line to neutral, 50/60Hz, fused disconnect included
PHYSICAL	
Dimensions	15.29”H x 13.39” W x 7.13” D
Enclosure Rating	NEMA 4X
Operating Range	-22-158°F (-30-70°C)

ORDERING INFORMATION

CAT.NO.	DESCRIPTION
IDAS-MH-HD	Obvius IDAS ModHopper & HD Pulse Panel. Contains: R9120-5T Modhopper, A8911-23 HD Pulse Module, Wide Range Power Supply 100-277VAC. NEMA 4X Enclosure. UL 508A. UMH00-000

Obvius UL508A Listed IDAS-MH-HD

Obvius

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