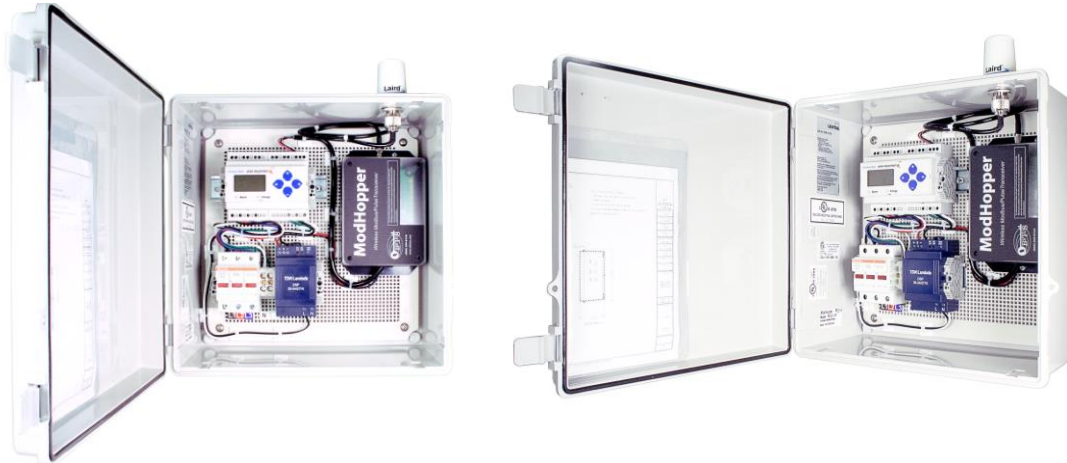


# IDAS-MH-V1

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-V1 Panel features the Obvius **R9120-5 ModHopper**, Veris E51C2 Bi-Directional 3 phase power meter, wide range power supply, and external antenna.

The MH-V1 panel was designed for wireless, revenue-grade, 3 phase metering. Perfect for retrofit, or outdoor metering projects, ModHopper transceivers eliminate the need for costly wiring runs allowing users to capture wireless meter data in the most challenging applications.

## OBVIUS ADVANTAGES

- **Hardware and software agnostic** system allows flexibility working with virtually any device and monitoring platform.
- **Ease of use** for cost-effective and scalable commissioning in half the time—intuitive interface means no expertise needed to make configuration changes
- **Multiple upload channels** allow for data redundancy and software platform flexibility
- **Diverse utility profile** for a future-proof system, globally built to evolve with expanding industry and customer needs
- **Live technical support**—accessible expertise is a phone call away
- **Remote assistance**—our support team can quickly and easily access your AcquiSuite for troubleshooting and configuration errors
- **Data backup**—**BMO 3.0** offers basic data monitoring and historical record keeping to pair with our industry-leading software partners
- **Leading reliability (Obvius Difference)**—Obvius is a trusted name for industry leaders

## PANEL PARTNER ADVANTAGES

- Complete UL hardware solutions for metering and data acquisition
- Reduced lead times
- Simplified procurement
- Single point of contact for technical support
- Designed by field engineers to address installation pain points
- Proven reliability
- 5-year warranty

## HARDWARE FEATURES

- Veris E51C2 is a Bi-Directional, Revenue Grade, 3 phase meter with full data set. Options include compatibility with either Split Core or Rope CT.
- The **R9120-5 ModHopper** wirelessly connects up to 32 Modbus and 2 Pulse Devices.
- Robust 900MHz for long distance communication: 3000ft Indoor / 14 Miles LOS
- Operates as a Self-Healing / Self-Optimizing Mesh Network
- On board LED display of signal strength
- 256Bit AES, FIPS-197 certified, J/F-12 8306
- Wide-range 100-277VDC power supply allows for flexible use in a variety of applications

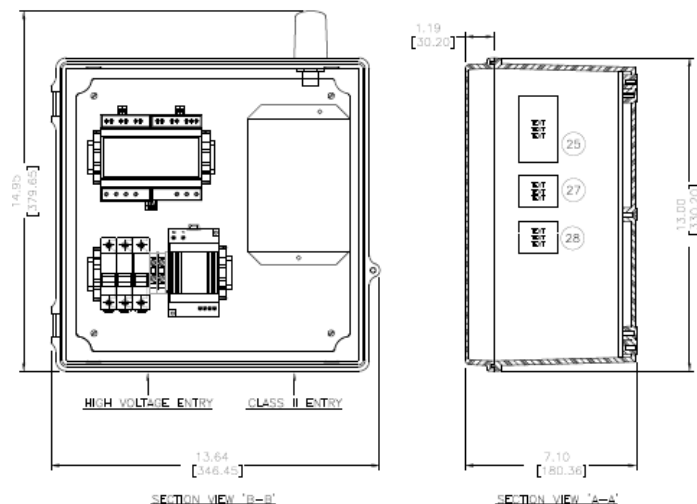
**SPECIFICATIONS**

COMPONENTS	
Wireless Transceiver	R9120-5T ModHopper
Power Meter	Veris E51C2 or E51C2A, bi-directional, full data set, 0.2% accuracy. CT range: 5A-5000A
DC Power	Leviton PST24-I10, 24V 30W, 100-277V Range
COMMUNICATION	
Input Protocol	Modbus RTU, & 2 Pulse
Output Protocol	Modbus RTU
Pulse	2x Pulse, dry contact, standard or KYZ, closure threshold 100Ω to 2.5Ω user selectable. Pulse counts stored in non-volatile memory
Modbus	Modbus RTU, 2-wire, hard-wire connect up to 32 devices
Addressing	Modbus address may be set from 1 to 247 via dipswitch
Range	
R9120-5T	3000ft (900m) typical indoor, 14 miles (22km) line of sight
CT Options	
IDAS-MH-V1	Compatible with Split-Core CT
IDAS-MH-V1A	Compatible with Rope CT
POWER	
Voltage Inputs	120-277VAC, single phase, line to neutral, 50/60Hz, fused disconnect included
PHYSICAL	
Dimensions	IDAS-MH-V1: 14.95”H x 13.64” W x 7.10” D (379.65mm x 346.45mm x 180.36mm)
Enclosure Rating	NEMA 4X
Operating Range	-22-158°F (-30-70°C)

**ORDERING INFORMATION**

CAT.NO.	DESCRIPTION
IDAS-MH-V1	UL 508A ModHopper and Meter Panel. Contents: R9120-5T ModHopper, External Phantom Antenna, Veris E51C2, Din Mount Power Supply (24V, 1.25A, 30W). For use with Split Core CT SKU: A508-1018F
IDAS-MH-V1A	UL 508A ModHopper and Meter Panel. Contents: R9120-5T ModHopper, External Phantom Antenna, Veris E51C2A, Din Mount Power Supply (24V, 1.25A, 30W). For use with Rope CT SKU: A508-1018E

**DIMENSIONS**



**Obvius**

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