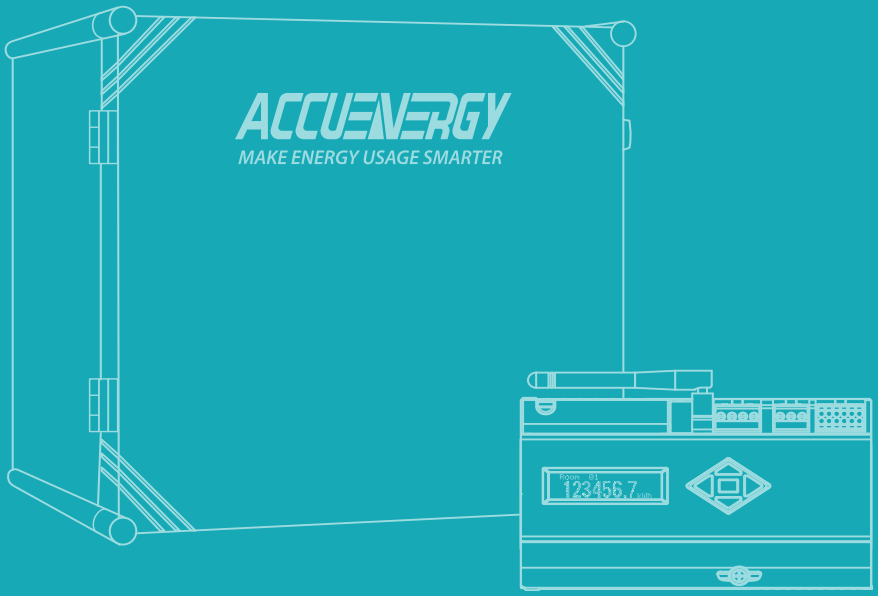
AcuPanel 9106X

MULTI-CIRCUIT SUBMETERING PANEL

QUICK SETUP GUIDE



c UL us UL 508A

ACCUENERGY

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Important Safety Notice

Read this document and the following symbols carefully before the installation, operation and maintenance of the AcuPanel 9106X.

Accuenergy is not responsible or liable for any damages or injuries caused by improper installation and/or operation.

- Prior to maintenance and repair, the equipment must be de-energized and grounded.
- A switch or circuit breaker must be included in close proximity to the equipment and operator.
- All maintenance work must be performed by qualified professionals with formal training and experience in high voltage/current.

The following symbols can be found either in this document or on the product.

ELECTRIC HAZARD: Indicates information about procedures which must be followed to reduce the risk of electric shock and danger to personal health.

INFO: Provides additional information before an action shall be taken by the user.

Legal Notice

This AcuPanel 9106X quick setup guide provides informational and operational guidance regarding the use of the panel. While effort has been made to ensure the accuracy, reliability, and completeness of the information at the time of publication, Accuenergy assumes no responsibility for any errors, omissions, or misunderstandings in this document and reserves the right to modify its content at any time without prior notice.

Users should verify with Accuenergy or the authorized local representative that the document in use is the latest version and strictly adhere to the installation, operation, and maintenance procedures specified herein. Accuenergy shall not be held liable for any damages or consequences resulting from improper use or failure to comply with the provisions of this document. This quick setup guide may not be altered or reproduced in whole or in part by any means without the expressed written consent of Accuenergy.

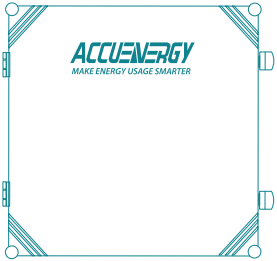
1. Package Contents

INFO

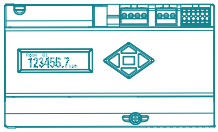
Carefully open the packaging of the panel and do not use excessive force. Inspect all the contents of the package are not damaged before installing the panel.

A	AcuPanel 9106X Multi-Circuit Submetering Panel
B	Pre-installed AcuRev 2100 Multi-Circuit Meter
C	Four Wall Mount Lugs and Screws
D	SnapOn CT Connectors
E	Wi-Fi Antenna (As Per Order)
F	Quick Setup Guide (Not Pictured)

A

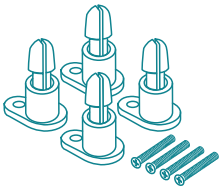


B

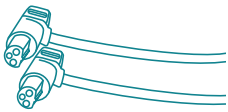


AcuRev 2100

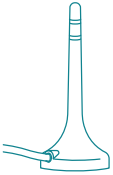
C



D

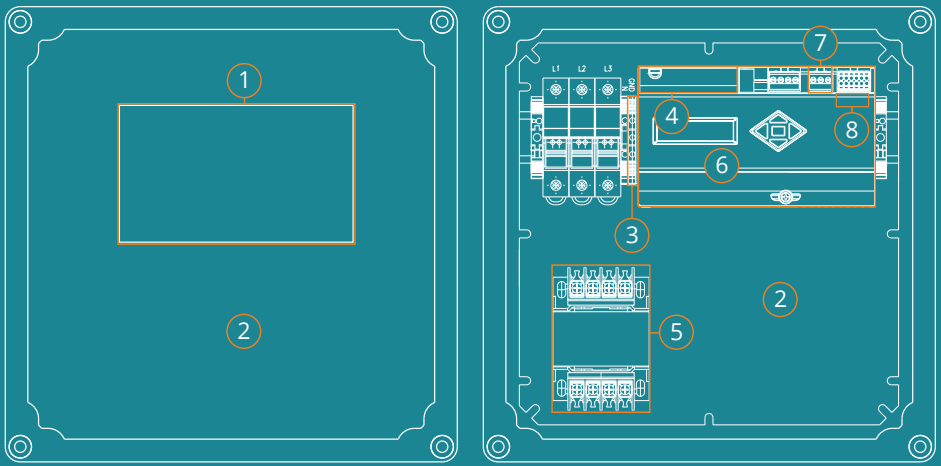


E



2. Multi-Circuit Submetering Panel Internal Components

1	Wiring Configuration Label
2	NEMA 4X Enclosure
3	Ground Terminal
4	Meter Power Supply Terminal
5	Control Power Supply
6	AcuRev 2100 Multi-Circuit Submeter
7	RS485 Terminal
8	Dual Ethernet Ports



3. Installation and Commissioning



ELECTRIC HAZARD

Installation of AcuPanel 9106X must be performed by a qualified or licensed electrician.

Before commencing the wiring or service of the energy submetering panel, ensure to de-energize and lock out all the circuits.

Short the secondary of the CT before disconnecting. Do not leave the secondary of the CT open on an energized conductor.

Ensure the polarity of the CT aligns with the connected phase correctly.

To reduce the risk of electric shock, always open or disconnect the circuit from the building power distribution system before installing or servicing current transformers.

Verify the service is fully disconnected before making any voltage connections. Connect the common ground point of the AcuPanel 9106X to the facility grounding system. Ensure proper protective earthing and compliance with electrical safety standards.

To commission the AcuPanel 9106X at the installation location, follow the steps provided.

1. To vertically surface mount the AcuPanel 9106X, insert the four wall mount lugs into the four corner mounting holes at the rear of the subpanel enclosure. Secure the screws through the lugs onto the surface. Allow sufficient clearance for conduit and panel door swing.

2. Drill holes in the appropriate location in the AcuPanel 9106X enclosure as required for conduit and cable entry as per requirement. Ensure to maintain the enclosure's environmental protection rating.

3. Install conduit between the distribution panel and the AcuPanel 9106X. Route voltage leads, CT secondary cables, and communication cables through the conduit. Ensure that all wire sizes comply with local electrical codes.

4. It is recommended to install inline fuses on the A, B, and C leads for overcurrent protection. Connect voltage reference leads A, B, and C to the corresponding voltage terminals in the AcuPanel 9106X. Connect the N to the neutral bus in the distribution panel.

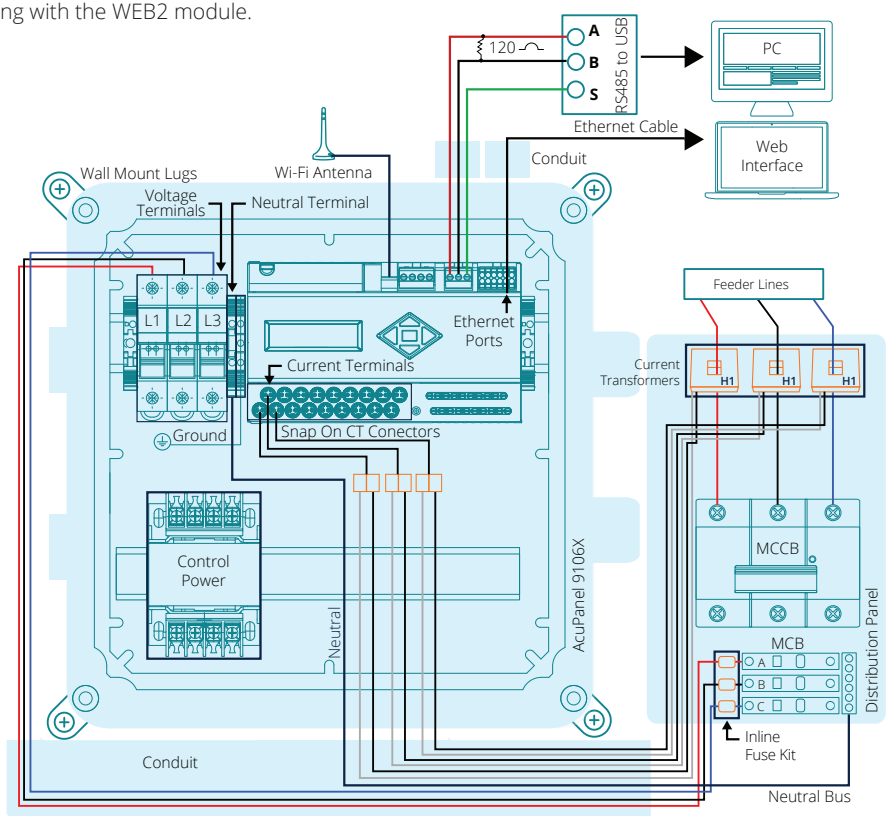
5. Install current transformers on the feeder lines in the distribution panel. Ensure the polarity arrow faces the load. Connect secondary leads to the designated current input terminals on the SnapOn connectors. Verify the polarity of the CT connections to avoid inaccurate readings.

6. If the AcuPanel 9106X includes a WEB2 or RS485 communication option, route the required communication cables through the openings.

7. Connect the A+, B-, and S terminals on the top of the AcuRev 2100 to set up RS485 communication. Terminate the connection with a 120Ω resistor to prevent noise interference and connect the system to a PC using an RS485 to USB adapter.

8. Connect an Ethernet cable to one of the dual Ethernet Ports near the top of the AcuRev 2100 to set up Modbus TCP communication.

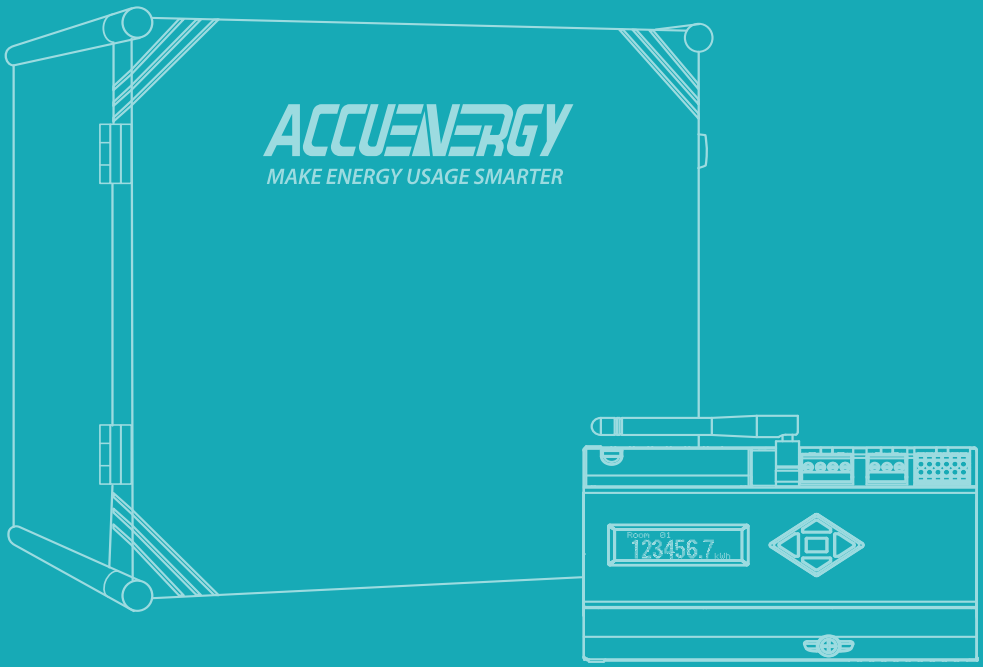
9. Connect the Wi-Fi antenna to the AcuRev 2100 to enable wireless network connectivity for local and remote monitoring with the WEB2 module.



4. Additional Resources

RESOURCE	DETAILS
Product Datasheet	https://www.accuenergy.com/acupanel-9106X-datasheet
AcuRev 2100 User Manual	https://www.accuenergy.com/acurev-2100-manual

Contact fieldservices@accuenergy.com or **Accuenergy Technical Support** for any additional queries.



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