

AcuPanel 9104/9104X

Pre-Wired Power & Energy Panel
Meter Datasheet

ACCUEnergy



DESCRIPTION

The AcuPanel 9104/9104X is a convenient, pre-configured meter enclosure that delivers streamlined meter deployment in OEM or retrofit projects. It is ideal for when installation inside an electrical distribution panel is unavailable, in harsh environments to safeguard instrumentation against the elements, or to limit the time and complexity of installation. Each AcuPanel undergoes rigorous quality testing to ensure years of dependable service.

FEATURES

- + Choose from a NEMA 3 rated industrial steel enclosure or NEMA 4X rated polycarbonate enclosure suitable for both indoor and outdoor use
- + The lockable, plug-and-play housing provides protection against unwanted tampering and the elements
- + Clean, factory pre-wiring for fast, reliable installation. All necessary fuses, shorting blocks, & terminal blocks are pre-installed and labeled.
- + Self-powered panel does not require a separate power supply
- + Wires can be run through pluggable, pre-cut holes
- + Simple grounding is included inside each enclosure
- + No control transformer needed
- + Compatible with the Acuim II Series and Acuim L Series meters





ACUPANEL SPECIFICATIONS

AcuPanel 9104X



AcuPanel 9104

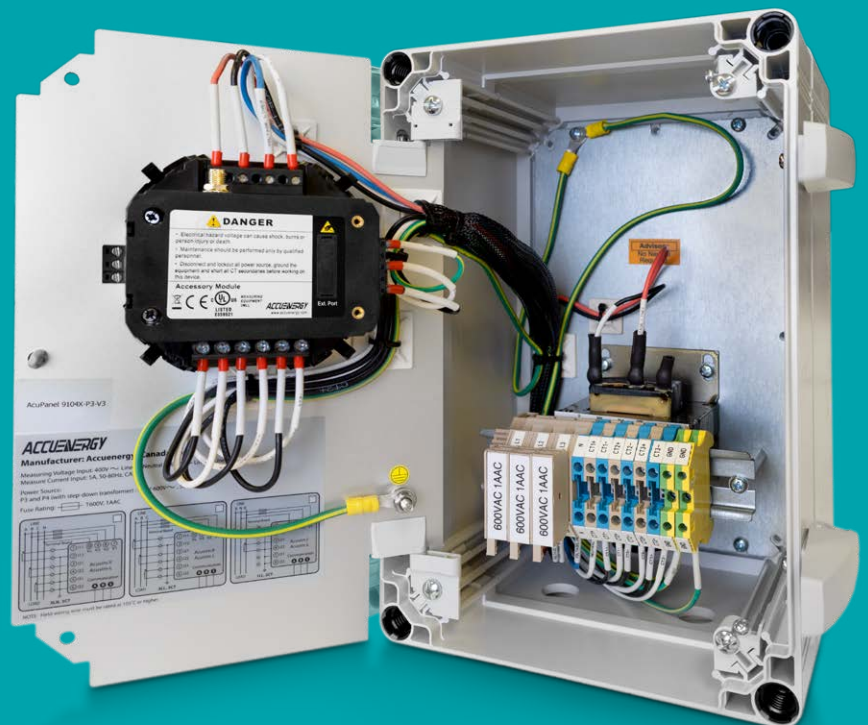


Compatible Meters	 	 
Application	Indoor or outdoor installations that require exceptional environmental protection and weather resistance	Indoor installations that require rugged protection, but not weather resistance
Safety Certifications	UL508A, UL61010-1	UL508A, UL61010-1
NEMA Rating	NEMA 4X	NEMA 3 [†]
Material	Polycarbonate	Steel
Anti-Corrosive	•	
Dust Proof	•	•
Suitable for Indoor Use	•	•
Suitable for Outdoor Use	•	
Pre-Wired	•	•
Pre-Configured	•	•

[†] AcuPanel 9104 is NEMA 3 by default. To increase the rating to NEMA 4, add the 96-IP66 protective cover.

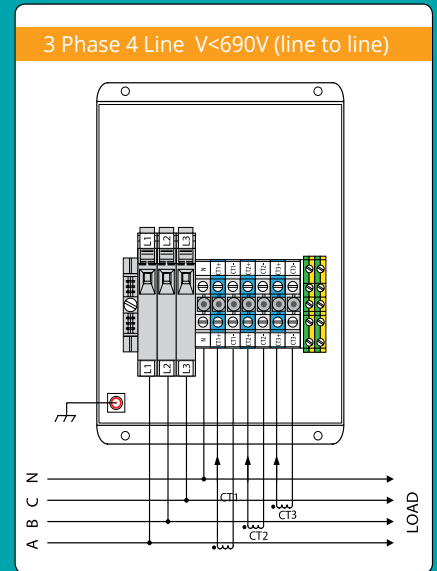
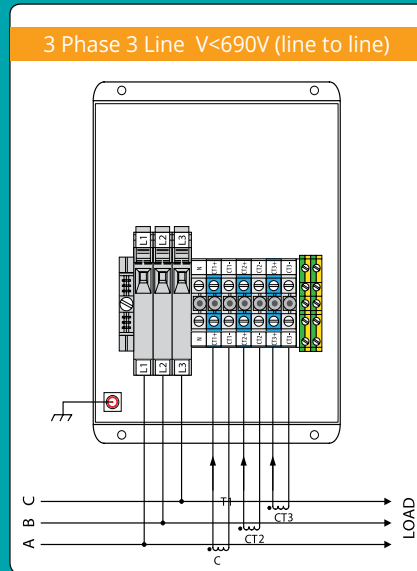
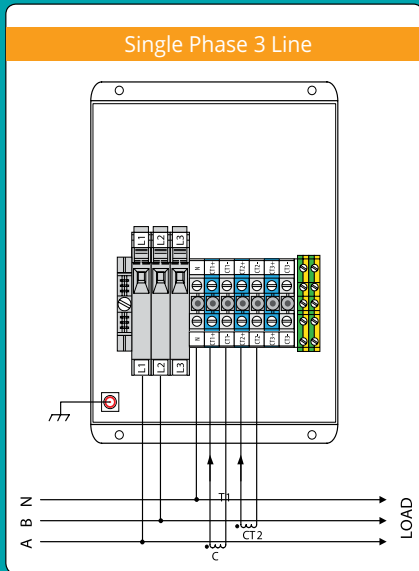
EACH STANDARD, PRE-WIRED ENCLOSURE INCLUDES:

- + Terminal blocks for current transformer input
- + Shorting blocks for current transformers
- + Terminal blocks for voltage inputs
- + Three industrial-grade fuses



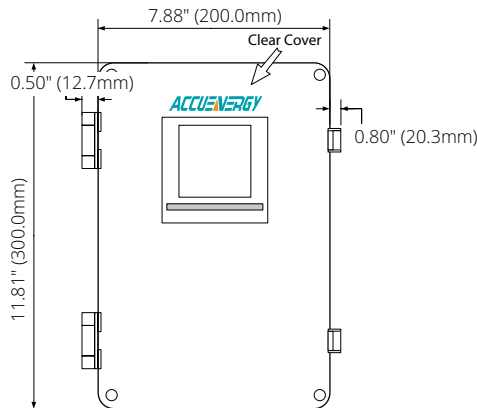
WIRING DIAGRAMS

9104/9104X

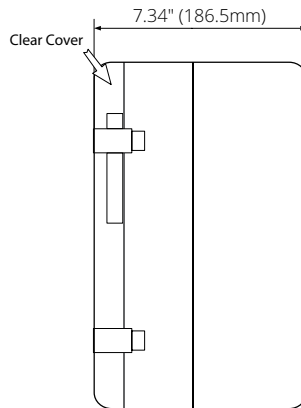


DIMENSIONS

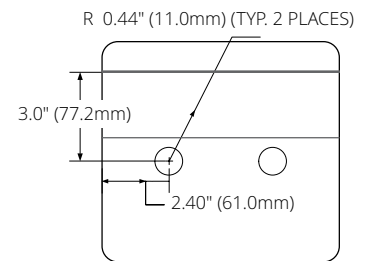
AcuPanel 9104X Waterproof Polycarbonate Panel



Front View

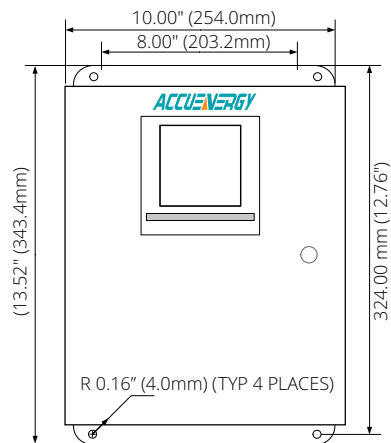


Side View

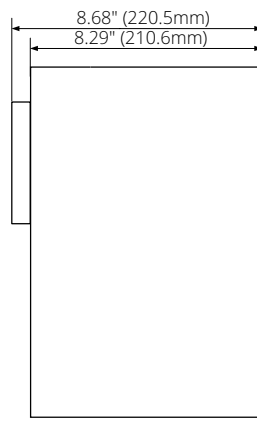


Bottom View

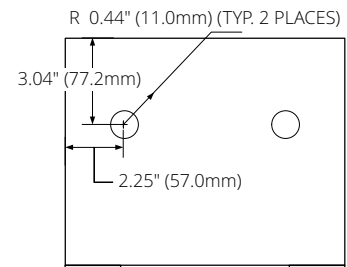
AcuPanel 9104 Steel Panel



Front View



Side View

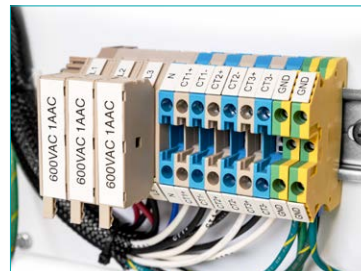


Bottom View

CUSTOM OEM SOLUTIONS

Partner with Accuenergy to design a custom, OEM panel to suit any metering application.

- + Showcase your logo with custom branding
- + Adapt the panel to your application with specialized OEM components such as gateways, cellular modems, or power supplies
- + Suit your space or equipment needs with custom panel dimensions
- + Contact our energy metering specialists to help customize a panel solution for any unique application



ACCESSORIES

Protective Display Cover

The 96-IP66 Protective Display Cover is designed for Acuvim II, Acuvim L, or other 96mm by 96mm display panel meters. Crucial in harsh environments, it increases the IP environmental rating of a meter's display to IP66 or NEMA 4X. It can be used with the AcuPanel 9104 to increase environmental rating of the enclosure from NEMA 3 to NEMA 4.



ORDERING INFORMATION

Acuvim II Pre-Wired Panel

+	Pre-Wired Panel	- Meter Model	- Current Input	- Power Supply	- Communication Module Option*	- 2nd I/O Option*	- 3rd I/O Option*
	AcuPanel 9104: NEMA 4 [†] or NEMA 3 Indoor Steel Panel	IIR: Acuvim II with Data Logging	5A: 5A or 1A (Input Field Selectable)	P1V3: 100-415Vac, 50/60Hz, 100-300Vdc	0: None	0: None	0: None
	AcuPanel 9104X: NEMA 4X Indoor / Outdoor Waterproof Polycarbonate Panel	IIW: IIR + Waveform Capture and PQ Event Logging	mV: 333mV Input and Rogowski Coil (Input Field Selectable)	P2V3: 20-60Vdc	WEB2: Modbus-TCP/IP, BACnet-IP, SNMP V3, DNP 3.0 V2, IEC 61850 2nd Edition, SMTP, NTP, HTTP post, HTTPs post, FTP post, sFTP server, HTTPs webserver, dual RJ45, WiFi	IO1: 6DI, 2RO, 1 DI Power Supply	IO1: 6DI, 2RO, 1 DI Power Supply
WEB2-D: Modbus-TCP/IP, BACnet-IP, SNMP V3, DNP 3.0 V2, IEC 61850 2nd Edition, SMTP, NTP, HTTP post, HTTPs post, FTP post, sFTP server, HTTPs webserver, dual RJ45, Ethernet Port					IO2: 4DI, 2AO, 2DO	IO2: 4DI, 2AO, 2DO	
P3V3: 480Vac					IO3: 4DI, 2RO, 2AI	IO3: 4DI, 2RO, 2AI	
P4V3: 600Vac					PROFI: PROFIBUS-DP	IO3: 4DI, 2RO, 2AI	
					RS485: Second RS485 Port		
							IO1: 6DI, 2RO, 1 DI Power Supply
							IO2: 4DI, 2AO, 2DO
							IO3: 4DI, 2RO, 2AI

Ordering Example: AcuPanel 9104X-IIR-5A-P1V3-WEB2-IO1-IO3

Acuvim L Pre-Wired Panel

+	Pre-Wired Panel	- Meter Model	- Current Input	- Power Supply	- Communication Module Option*	- 2nd I/O Option*	- 3rd I/O Option*
	AcuPanel 9104: NEMA 4 [†] or NEMA 3 Indoor Steel Panel	CL: General Meter	5A: 5A or 1A Nominal Current Input	P1V4: 100-415Vac, 50-60Hz, 100-300Vdc	0: None	0: None	0: None
	AcuPanel 9104X: NEMA 4X Indoor / Outdoor Waterproof Polycarbonate Panel	EL: CL + TOU and PQ parameters	mV: 333mV Input and Rogowski Coil (Input Field Selectable)	P2V4: 20-60Vdc	WEB2: Modbus-TCP/IP, BACnet-IP, SNMP V3, DNP 3.0 V2, IEC 61850 2nd Edition, SMTP, NTP, HTTP post, HTTPs post, FTP post, sFTP server, HTTPs webserver, dual RJ45, WiFi, Dual Ethernet Port	IO1: 6DI, 2RO, 1 DI Power Supply	IO1: 6DI, 2RO, 1 DI Power Supply
WEB2-D: Modbus-TCP/IP, BACnet-IP, SNMP V3, DNP 3.0 V2, IEC 61850 2nd Edition, SMTP, NTP, HTTP post, HTTPs post, FTP post, sFTP server, HTTPs webserver, dual RJ45, Ethernet Port					IO2: 4DI, 2AO, 2DO	IO2: 4DI, 2AO, 2DO	
P3V4: 480Vac					IO3: 4DI, 2RO, 2AI	IO3: 4DI, 2RO, 2AI	
P4V4: 600Vac					PROFI: PROFIBUS-DP	IO3: 4DI, 2RO, 2AI	
					RS485: Second RS485 Port		
							IO1: 6DI, 2RO, 1 DI Power Supply
							IO2: 4DI, 2AO, 2DO
							IO3: 4DI, 2RO, 2AI

Ordering Example: AcuPanel 9104X-EL-5A-P1V4-WEB2-IO1-IO3

*No more than 2 of the same I/O modules may be attached to the meter (example: Two AXM-IO2). The same two I/O modules must be a different component number.

† AcuPanel 9104 is NEMA 3 by default. To increase the rating to NEMA 4, add the 96-IP66 protective cover.



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Specs Subject To Change Without Notice.



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