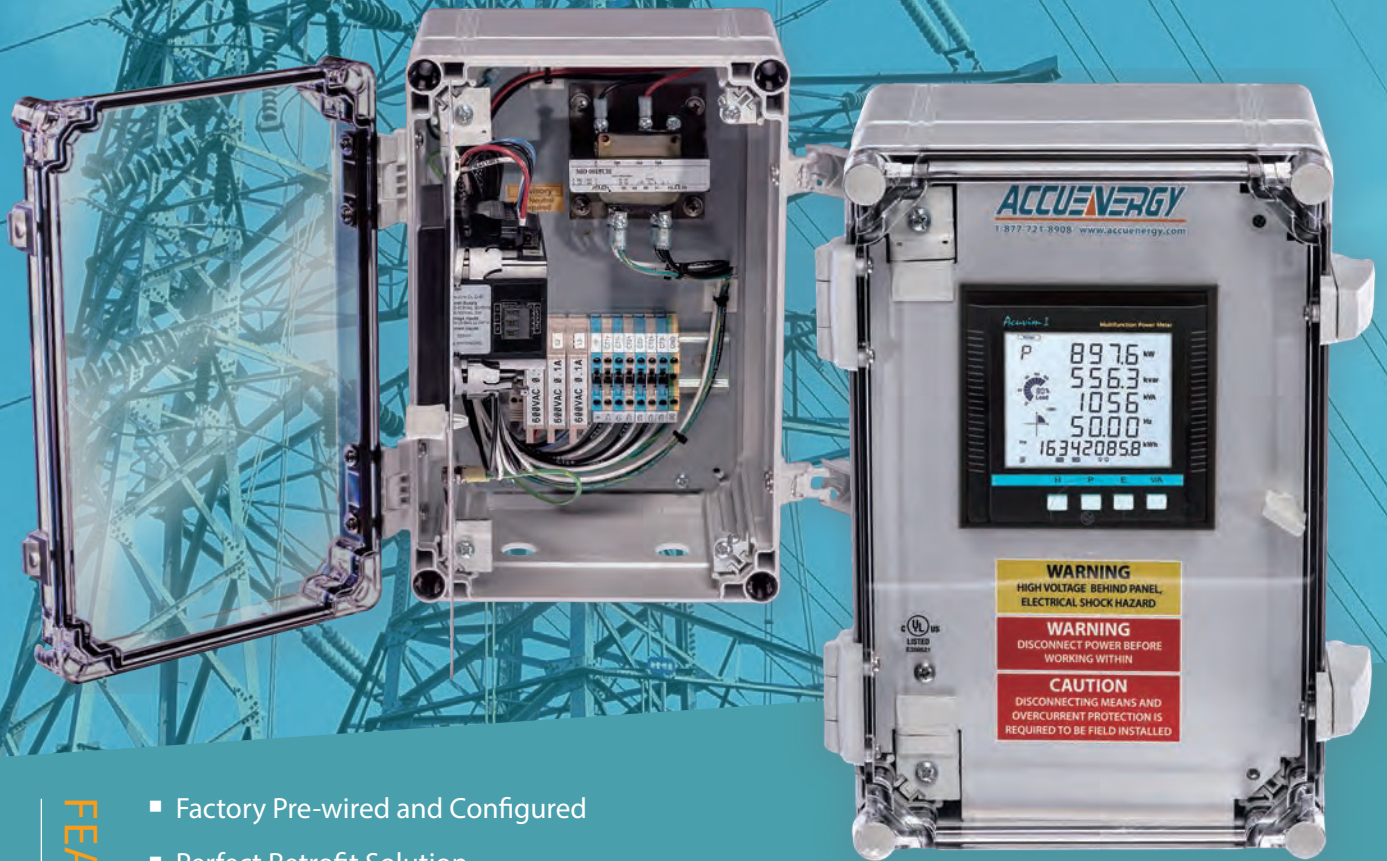


AcuPanel 9100 Series

All-in-one Plug n' play Pre-Wired Panel Enclosure



FEATURES

- Factory Pre-wired and Configured
- Perfect Retrofit Solution
- Save Premium Installation Time
- Avoid All Wiring and Installation Errors



ISO9001 Certified

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DESCRIPTION

Accuenergy's AcuPanel 9100 series pre-wired panel enclosure provides a complete plug n' play energy metering solution. Designed for Acuvim II and Acuvim-L series multifunction power and energy meters, AcuPanel eliminates both time-consuming and costly design and installation. With simple mounting and wiring, you will have a complete metering solution right next to your switchgear.

AcuPanel provides a perfect solution for retrofit projects where metering space is not pre-designed in electrical distribution panel. The factory pre-wired meter and enclosure will greatly save the cost for parts and labor with minimized installation time. Moreover, frustrating wiring errors which lead to serious false data will be eliminated to create a seamless process from installation to power and energy monitoring.

The factory pre-wired meter enclosure comes in two options: NEMA4 (Indoor) steel enclosure and waterproof plastic NEMA 4X (Outdoor). These two options ensure the viable solutions for all installing environment.

Standard pre-wired enclosure includes:

- Terminal blocks for current transformer input
- Shorting block for current transformer
- Terminals blocks for voltage input
- 3 Industrial-grade fuses

Inside the locking door of the AcuPanel are factory-assembled fuses and terminal blocks clearly labeled for a quick and effortless connection. At the bottom of the AcuPanel sits two pluggable pre-cut holes that allow for wires to be fed through the panel to the circuit blocks without any additional modifications being needed.

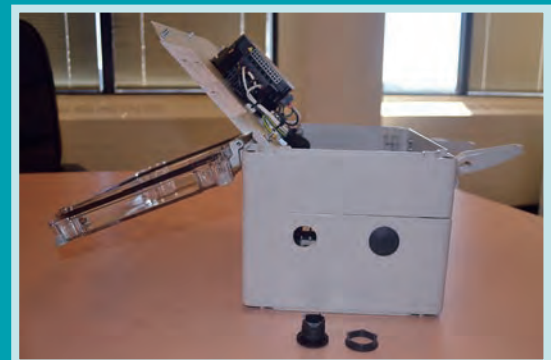
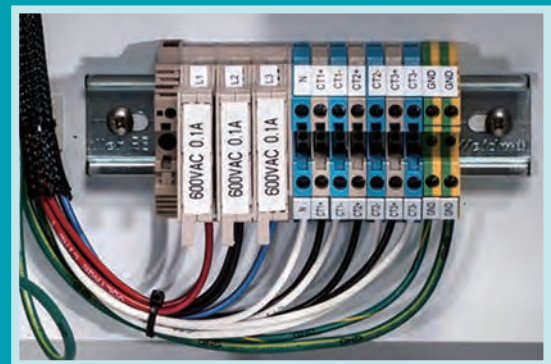


FEATURES

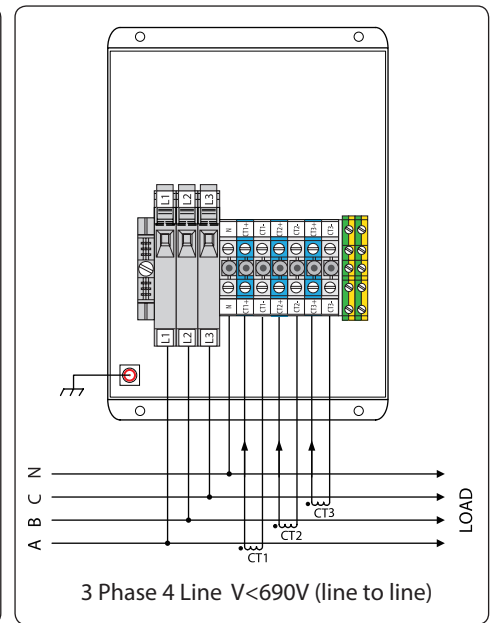
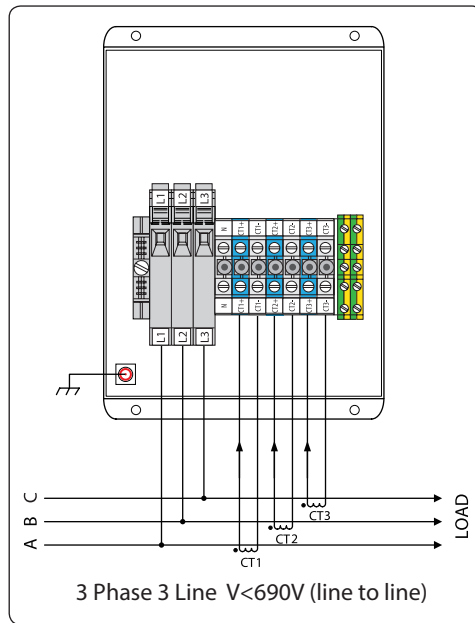
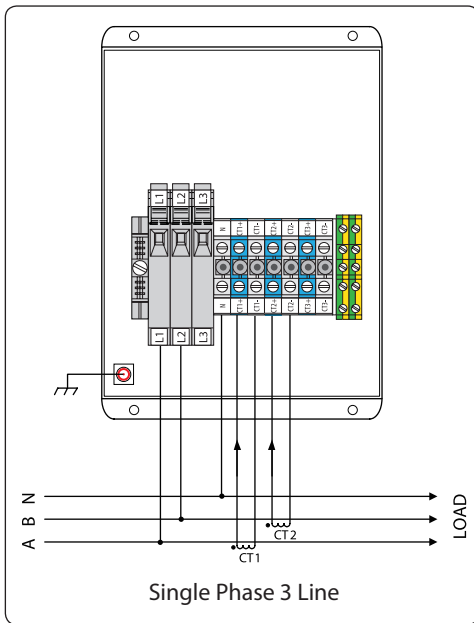
- NEMA 4 or NEMA 4X rating
- Pre-wired meter
- Pre-mounted and wired parts including fuses, shorting and terminal blocks
- Pluggable pre-cut holes for wires to be fed through
- Simple grounding inside enclosure
- No control transformer needed

BENEFITS

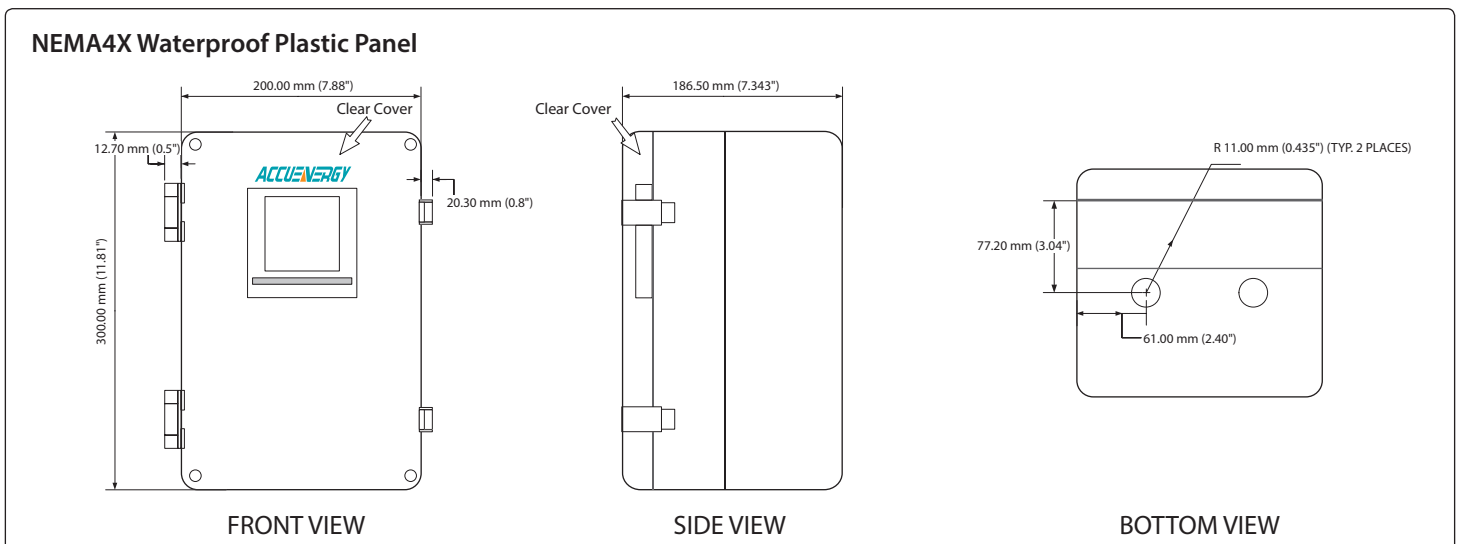
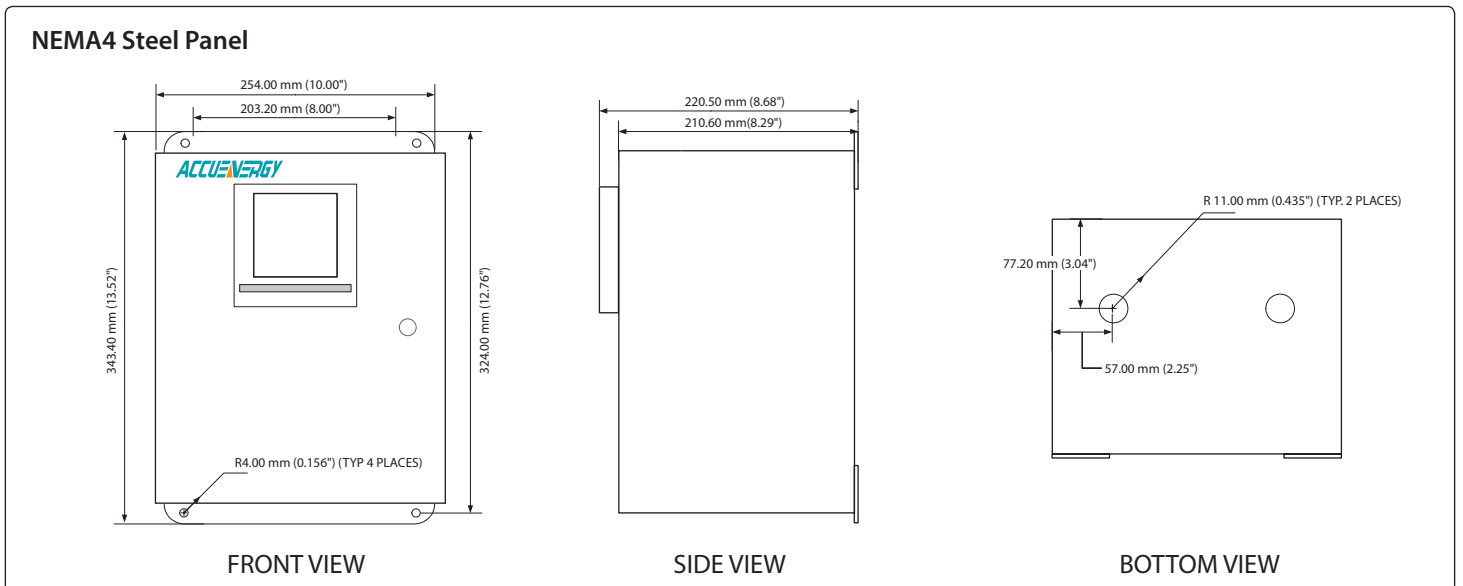
- Saves cost on installation and parts
- Save premium time
- Avoids frustrating wiring mistakes
- Clear easy-to-read labels
- Plug n' play usability



WIRING DIAGRAMS



DIMENSIONS



ORDERING INFORMATION

Acuvim II Pre-Wired Panel

	Pre-Wired Panel	Model	Current Input	Power Supply	1st I/O Option*	2nd I/O Option*	3rd I/O Option*						
Ordering Number	-	-	-	-	-	-	-						
Ordering Example	AcuPanel9104X	-	IIR	-	5A	-	P1	-	WEB-PUSH	-	IO1	-	IO3
	AcuPanel9104: NEMA4 or NEMA3 Indoor Steel Panel	II: Revenue Grade Multifunction Power Meter	5A: 5A or 1A Nominal Current Input	P1: 100-415Vac, 100-300Vdc	0: None	0: None	0: None						
	AcuPanel9104X: NEMA4X Indoor and Outdoor Waterproof Polycarbonate Panel	IIR: Acuvim II with 4MB of Datalogging Memory	RCT: Rogowski Coil CT Input	P2: 20-60Vdc	WEB-PUSH: Modbus-TCP/IP, HTTPs Webserver, HTTP/HTTPs Post, FTP Post, SMTP, SNTP	IO1: 6DI, 2RO, 1 DI Power Supply	IO1: 6DI, 2RO, 1 DI Power Supply						
		IIE: Acuvim IIR with 4 tariff TOU	333mV: 333mV Nominal CT Input	P3: 480 Vac	WIFI: All functions from WEB-PUSH plus additional WiFi communication channel	IO2: 4DI, 2AO, 2 DO	IO2: 4DI, 2AO, 2 DO						
		IIW: 8MB of Memory and Waveform Recorder	mA: 80mA, 100mA or 200mA Nominal CT Input	P4: 600Vac	PROFI: Profibus-DP	IO3: 4DI, 2RO, 2AI	IO3: 4DI, 2RO, 2AI						
					BIP: BACnet IP (Ethernet)								
					BMS: BACnet MS/TP (Serial)								
					RS485: Second RS485 Port								
					IO1: 6DI, 2RO, 1 DI Power Supply								
					IO2: 4DI, 2AO, 2DO								
					IO3: 4DI, 2RO, 2AI								

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

Acuvim-L Pre-Wired Panel

	Pre-Wired Panel	Model	Current Input	Power Supply	1st I/O Option*				
Ordering Number	-	-	-	-	-				
Ordering Example	AcuPanel9104	-	EL	-	5A	-	P2	-	X4
	AcuPanel9104: NEMA4 or NEMA3 Indoor Steel Panel	AL: Digital Panel Meter	5A: 5A or 1A Nominal Current Input	P1: 100-415Vac, 100-300Vdc	0: None				
	AcuPanel9104X: NEMA4X Indoor and Outdoor Waterproof Polycarbonate Panel	BL: AL + 2 Digital Output (Pulse/Alarm)	333mV: 333mV Nominal CT Input	P2: 20-60Vdc	X1: 4DI + 2DO				
		CL: AL + Modbus-RTU		P3: 480 Vac	X2: 4DI + 2DO + second RS485				
		DL: CL + IO Option		P4: 600Vac	X3: Profibus-DP				
		EL: DL + TOU			X4: 4DI + 2DO + Profibus-DP				
		KL: kW & kWh Meter							

*Note: Extended Modules only supported by the DL and EL Model.

