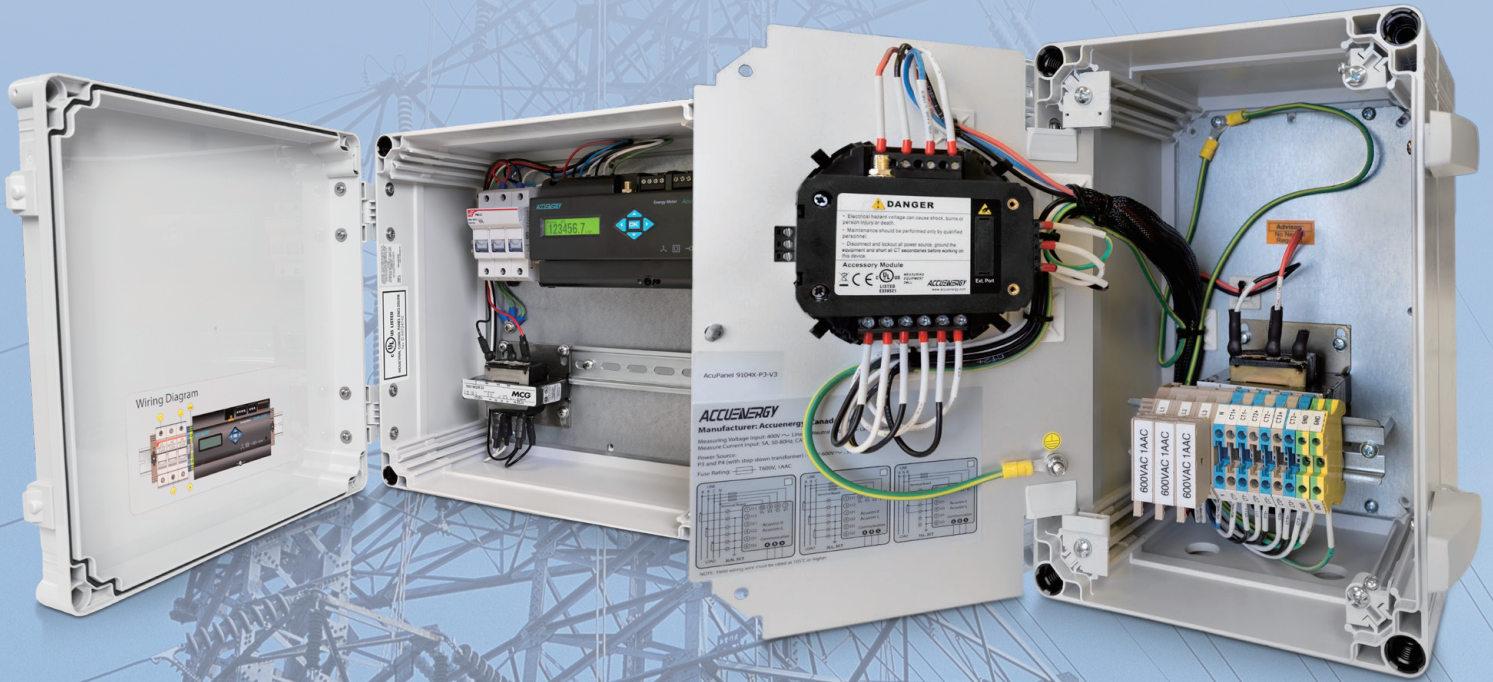


AcuPanel 9100 Series

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



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.

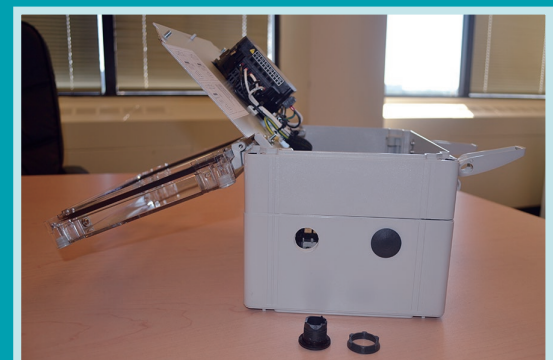
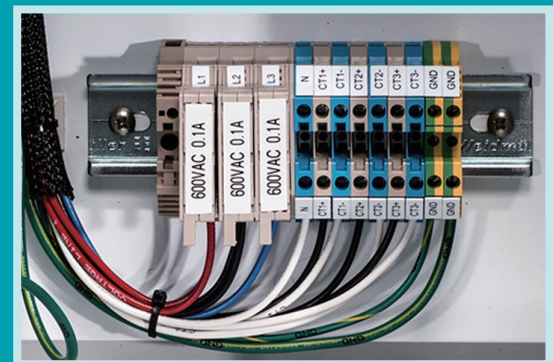


FEATURES

- 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

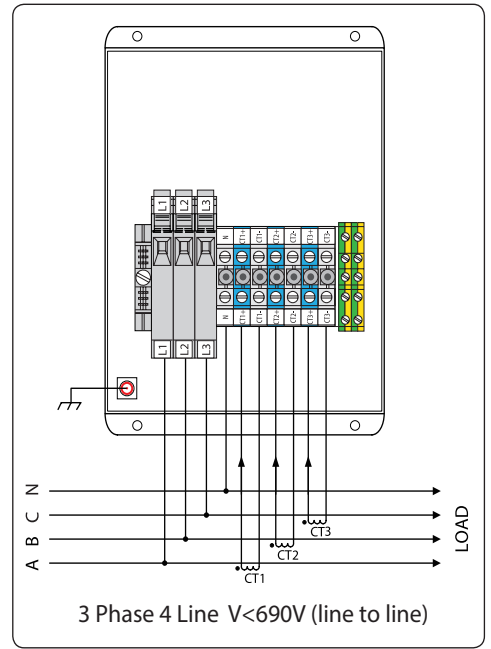
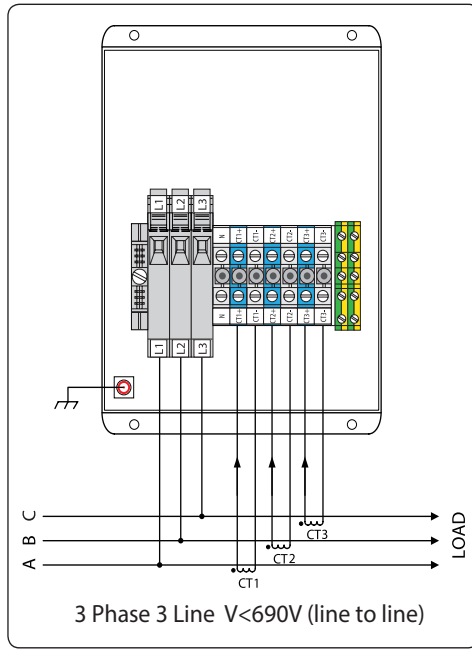
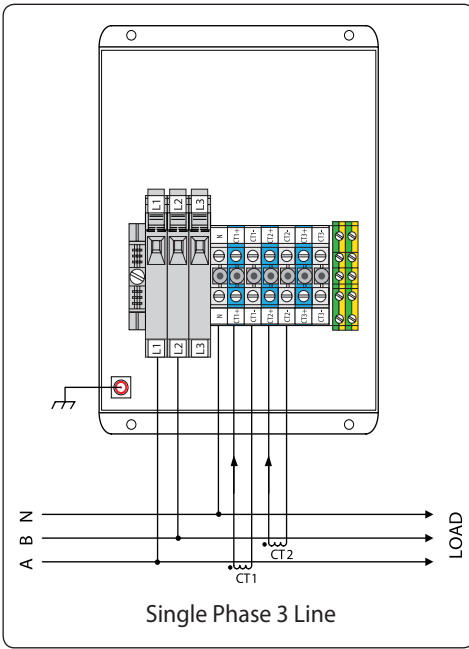
BENEFITS

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

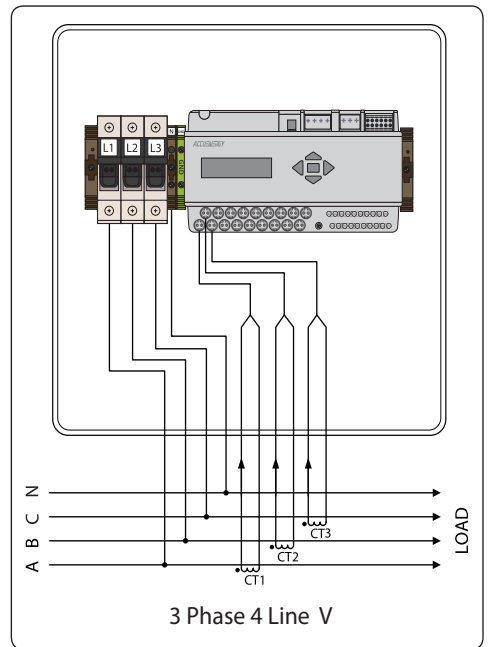
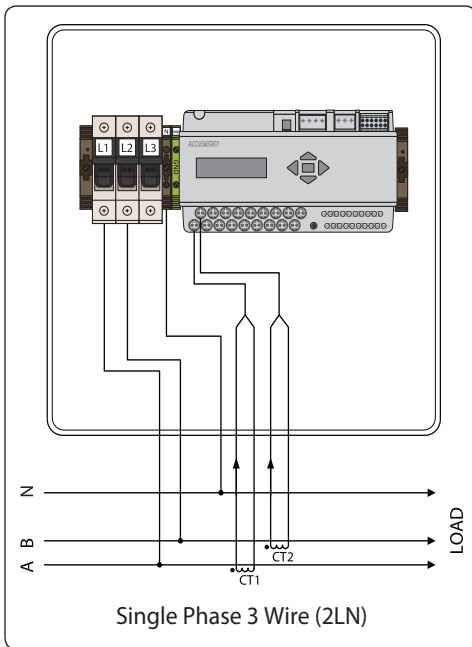
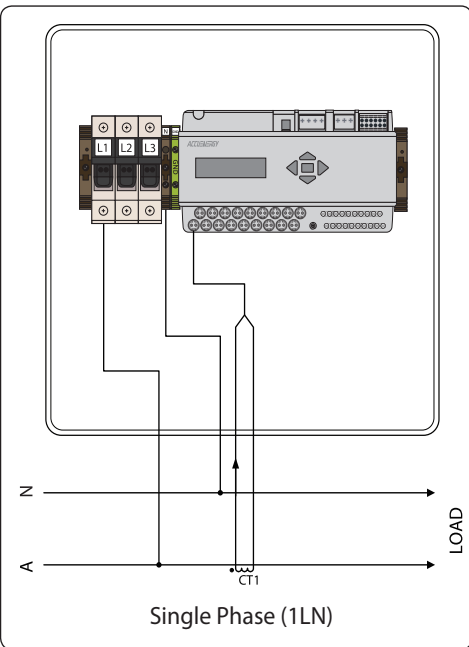


WIRING DIAGRAMS

9104/9104X

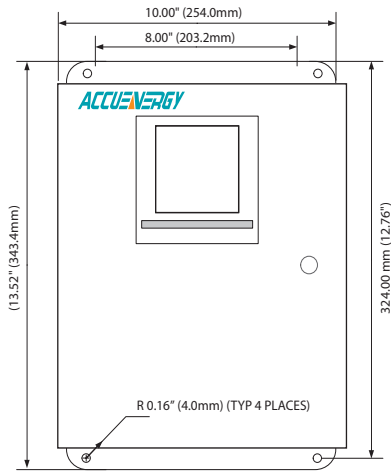


9106X

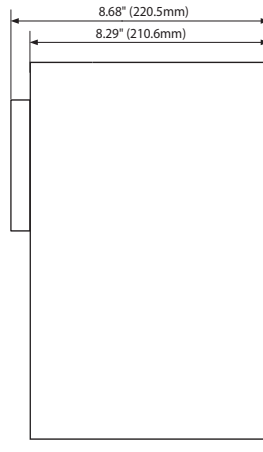


DIMENSIONS

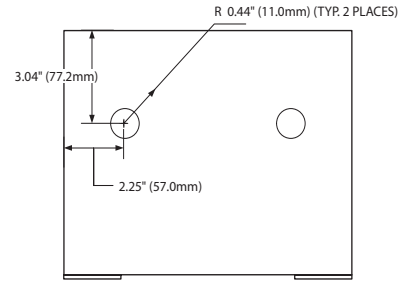
NEMA4 Steel Panel



FRONT VIEW

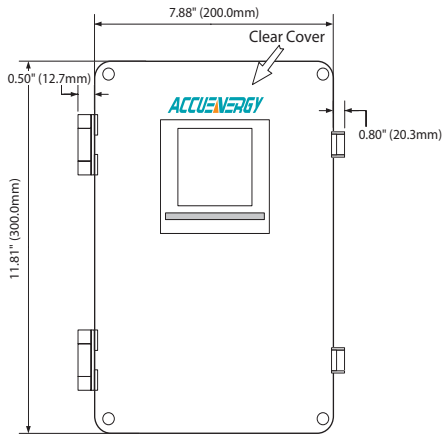


SIDE VIEW

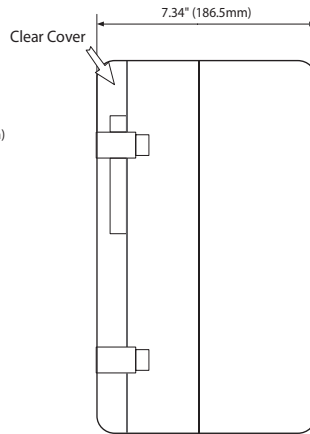


BOTTOM VIEW

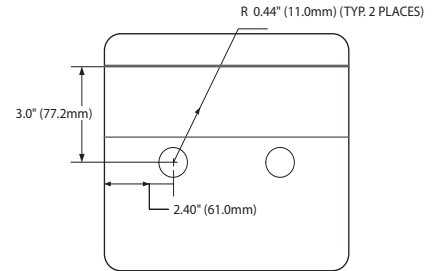
NEMA4X Waterproof Plastic Panel



FRONT VIEW

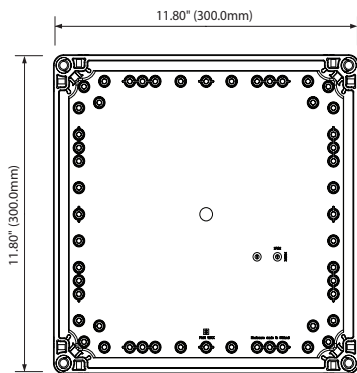


SIDE VIEW

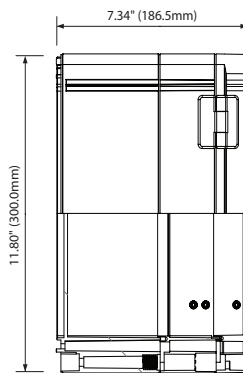


BOTTOM VIEW

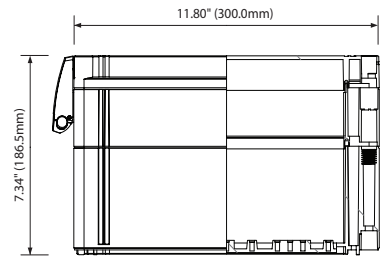
AcuPanel 9106X



FRONT VIEW



SIDE VIEW



BOTTOM VIEW

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	AcuPanel 9104X	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	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
		IIE: Acuvim IIR with 4 tariff TOU	333mV: 333mV Nominal CT Input	P3: 480 Vac	WEB-PUSH: Modbus-TCP/IP, HTTPs Webserver, HTTP/HTTPs Post, FTP Post, SMTP, SNTP	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	P3: 480 Vac	PROFI: Profibus-DP	IO3: 4DI, 2RO, 2AI	IO3: 4DI, 2RO, 2AI
					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

	<i>Pre-Wired Panel</i>	<i>Model</i>	<i>Current Input</i>	<i>Power Supply</i>	<i>1st I/O Option*</i>
Ordering Number	-	-	-	-	-
Ordering Example	AcuPanel 9104	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	0: None
		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.

AcuPanel 9106X

	<i>Pre-Wired Panel</i>	<i>Current Input</i>	<i>Communication</i>	<i>Control Power</i>
Ordering Number	-	-	-	-
Ordering Example	AcuPanel 9106X-2110	mV	WEB2	P3
	AcuPanel 9106X-2110	mV: 333mV CT or Rogowski Coil Input	WEB2: RS485 + Dual RJ45 + WiFi	P1: 100-400V L-N
		mA: 80mA or 100mA	485: RS485	P3: 480VL-L
				P4: 600VL-L



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