



TECHNICAL SPECIFICATION

Display Mode		LCD
Accuracy	V/A	0.2%
	P/Q/S/PF	0.5%
	F	±0.01Hz
	±kWh	Class 0.5S
	±kvarh	Class 2
Voltage Input	Rated value	AC 100V, AC 380V
	Overload	Continuous: 1.2Vn Instantaneous: 2Vn/10s
	Burden	≤0.1VA (per phase)
	Impedance	≥1.7MΩ
	Frequency	45Hz~65 Hz
	Current Input	Rated value
Overload		Continuous: 1.2In Instantaneous: 2In/5s
Burden		≤0.2VA (per phase)
Impedance		≤20mΩ
Auxiliary Supply	Consumption	≤5VA
Communication Port		RS485, Modbus-RTU, 2-wire, up to 38.4kbps
Energy Pulse Output		1 photocoupler output, pulse width (80±20%) ms
Digital Input		2 AC wet contact inputs, Isolation: 5kVAC
Relay Output		2 relay outputs, Contact rated at AC 5A/250V or DC 5A/30V, Isolation: 2kVAC
Environment Conditions	Operating temperature	-25 C ~70 C
	Storage temperature	-30 C ~80 C
	Relative humidity	≤93%
	Altitude	≤2500m
Insulation		≥ 2kVAC
IP Degree		Front IP54, Rear IP20

PD194Z-9HY



Harmonics
4 Tariffs
Energy Accuracy 0.5S
Pulse Output



DEVICES



FUNCTION

Networks

-TN, TT, IT networks

Communication

-Interface: RS485
-Protocol: Modbus-RTU
Profibus-DP (Optional)

Accuracy

-Energy: 0.5S
-Voltage: 0.2%
-Current: 0.2%



MAIN FEATURES

Measuring

-Fundamental V/A
-Demand
-Max./Min. Value
-Load profile

Power Quality

-Harmonics up to 31st
-Unbalance

Energy Metering

-Bi-directional energy
-Four-quadrant reactive energy
-Tariff energy



APPLICATIONS



Data Acquisition



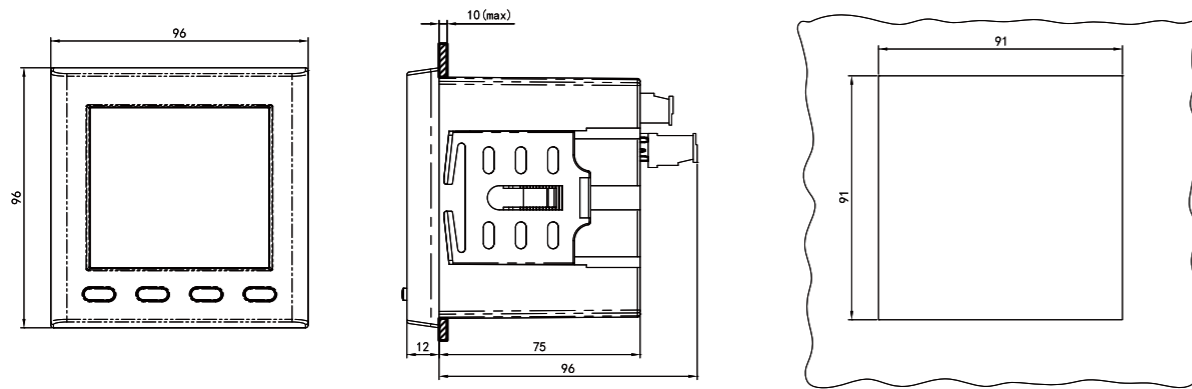
Energy Management



Remote Power Monitoring

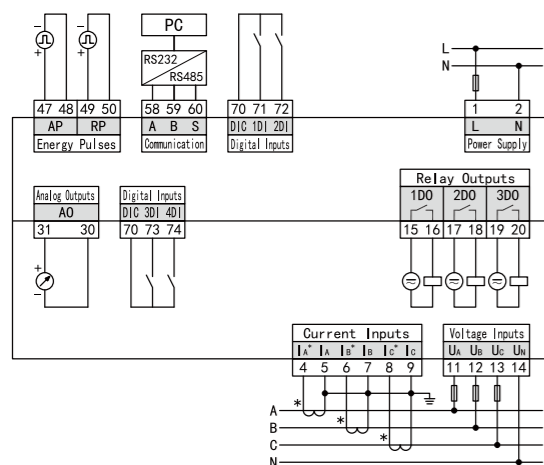


DIMENSIONS

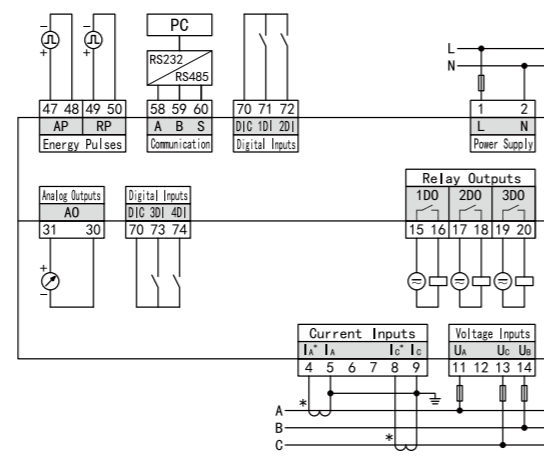


TYPICAL WIRING

3P4W



3P3W



TECHNICAL SPECIFICATION

Feature	Parameters
Accuracy	U, I: class 0.2, P, Q, PF: class 0.5, Harmonic: class S, Active energy: class 0.5S, Reactive energy: class 2, Analog output: class 0.5
Display	LCD
Signal Input	Signal Input
	Parameters
Voltage	Rated Value
	Overload
	Consumption
Current	Rated Value
	Overload
	Consumption
Frequency	Rated Value
	Overload
	Consumption
Harmonic	Rated Value
	Overload
	Consumption
Energy	Rated Value
	Overload
	Consumption
Power	Rated Value
	Overload
	Consumption
Function Module	Rated Value
	Overload
	Consumption
Energy pulse output	Rated Value
	Overload
	Consumption
Communication port	Rated Value
	Overload
	Consumption
Digital input	Rated Value
	Overload
	Consumption
Relay output	Rated Value
	Overload
	Consumption
Analog output	Rated Value
	Overload
	Consumption
Operating environment	Rated Value
	Overload
	Consumption
Storage environment	Rated Value
	Overload
	Consumption
Insulation	Rated Value
	Overload
	Consumption
Withstand voltage	Rated Value
	Overload
	Consumption