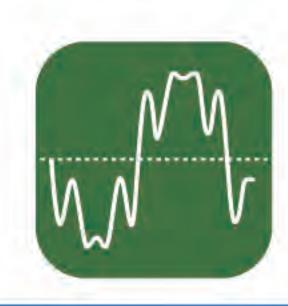
# PD194Z-9HY







Energy accuracy 0.5S
Pulse output
Harmonics





# Networks

-TN, TT, IT networks

## Accuracy

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

#### Communication

-Interface: RS485 -Protocol: Modbus-RTU



#### Measuring

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

## Energy Metering

-Bi-directional energy -4-quadrant reactive energy -Tariff energy

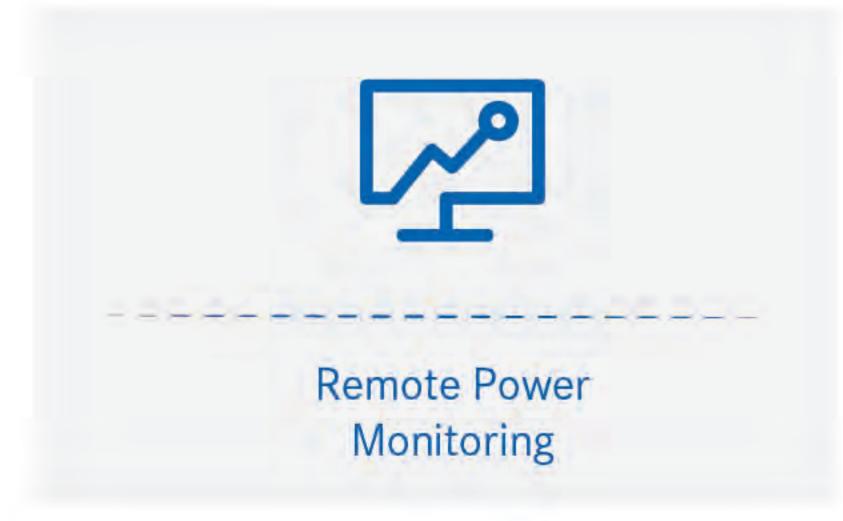
#### Power Quality

-Harmonics up to 51st -Unbalance







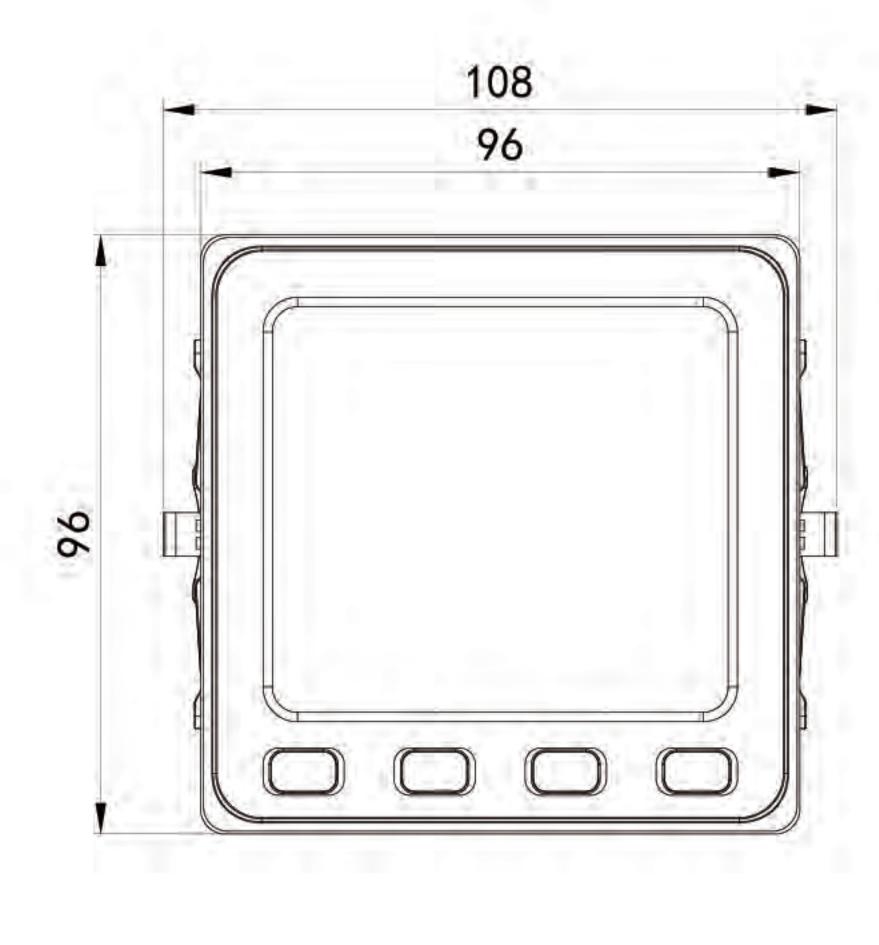


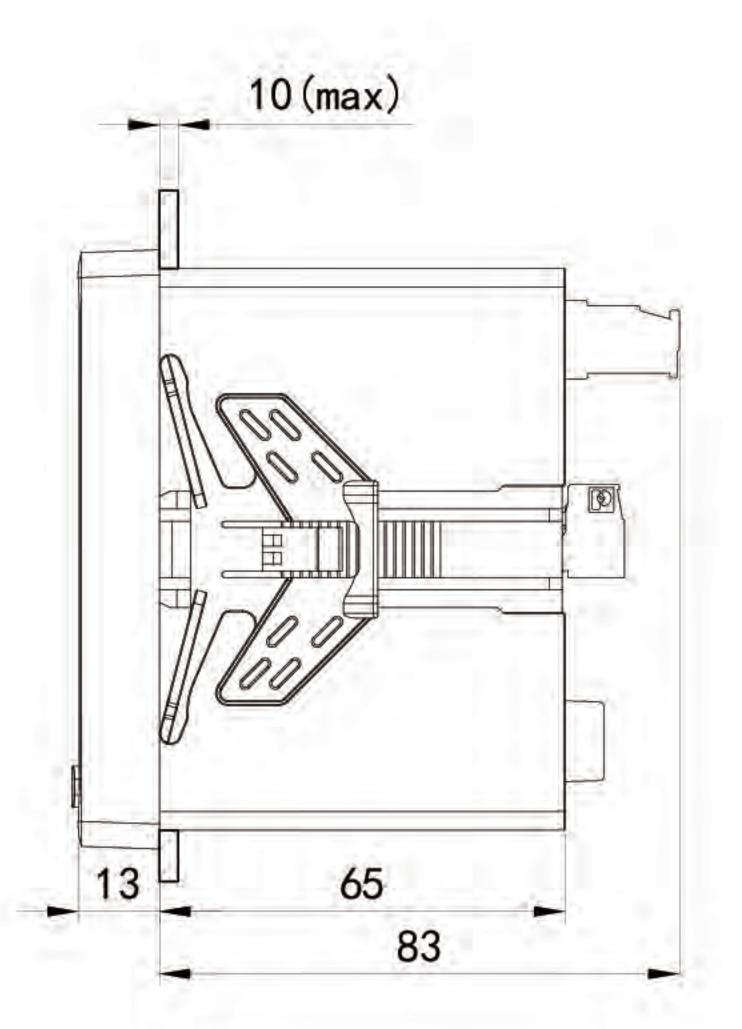


Function		PD194Z-9HY	PD194Z-9HYE	PD194Z-9HYTR
Display method	3.8" LCD			
Real-time measurement	U, I, P, Q, S, PF, Hz			
	Demand			
	Max, Min, Average value			
	Residual current			1
	Temperature		_	6
Energy metering	Bi-directional active energy			
	Bi-directional reactive energy			
	Four-quadrant reactive energy			
	Tariff energy (6 sets)			
Power quality monitoring	THDi, THDu			
	Individual harmonic ratio		2-51st	
	Unbalance			
	Voltage crest factor			
	Current K factor			
Communication	RS485		1	
	Ethernet	-	1	<del></del>
Input/output	Digital input		6	
	Relay output	3	2	2
	Analog output	1	-	=
	Energy pulse output		1	
Other	Event records			
	Freezing data			
	Communication register address mapping			

NOTE: "■": Yes "-": No

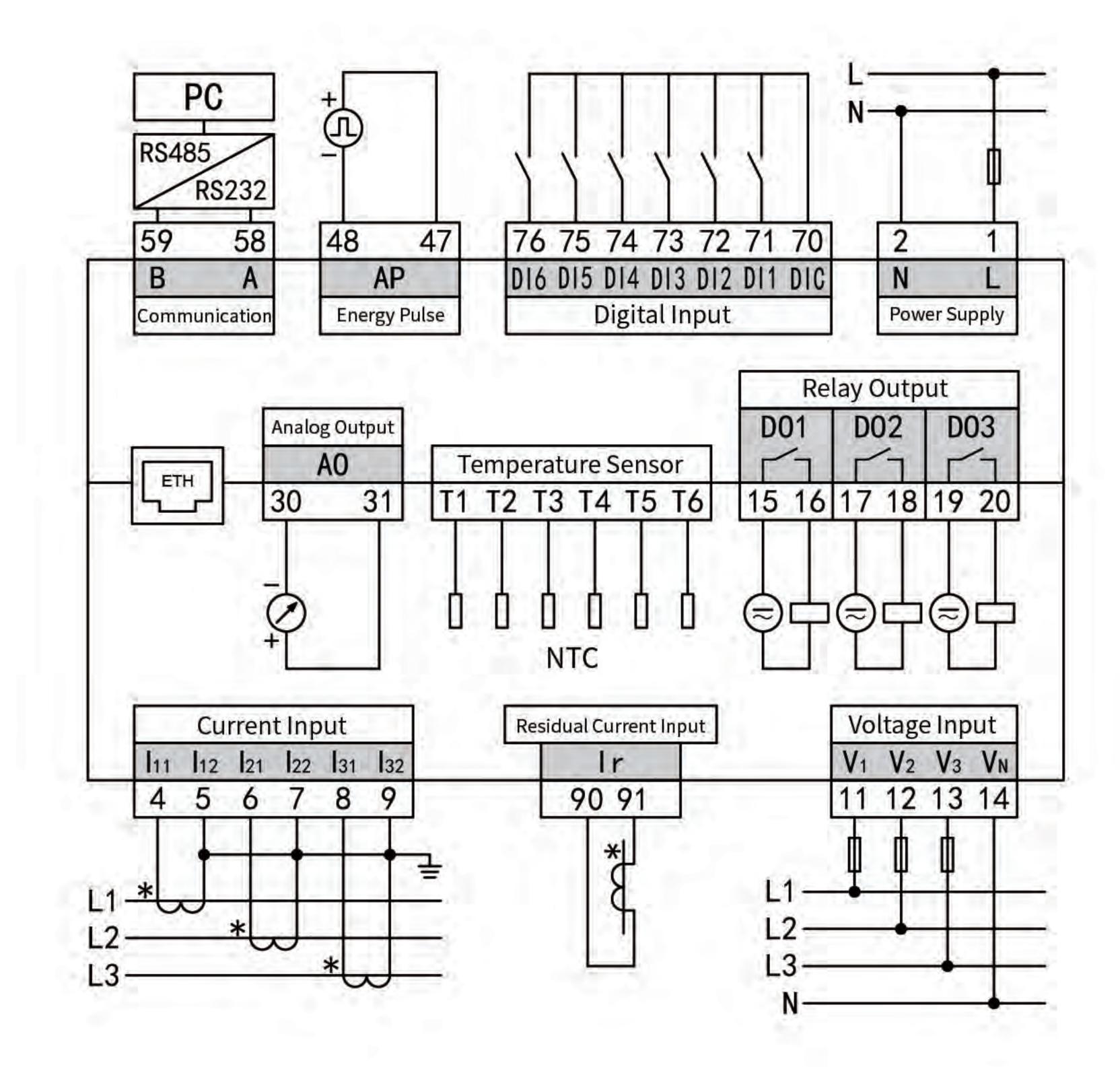














Voltage input	Rated value	AC 3*230/400V 3*100V etc.	
	Impedance	$\geq$ 1.7 M $\Omega$ /phase	
	Power consumption	≤0.1 VA /phase	
	Overload	Continuous: 1.2Vn, Instantaneous: 2Vn/1min	
	Frequency	45Hz-65Hz	
Current input	Rated value	1A or 5A	
	Startup value	10mA	
	Resolution	1mA	
	Impedance	≤20mΩ/phase	
	Power consumption	≤0.2 VA/phase	
	Overload	Continuous: 2In, Instantaneous: 20In/1s	
Ambient condition	Operating temperature	-25°C - +70°C	
	Relative humidity	5%-95%RH, No condensation	
	Working altitude	≤2000m	
	Pollution degree	2	
Mechanical features	Dimension	96mm×96mm×83mm	
	IP	Front IP54, Back IP20	
Security features	Measurement category	300V CAT III	
	Safety	IEC 61010-1, Double insulation	
Analog output	Number	1	
	Туре	4-20mA, 4-12-20mA	
	Load capacity	≤350Ω	
Relay output	Number	3 (MAX)	
	Contact rating	AC 250V/5A or DC30V/5A (AC1)	
Digital input	Number	6	
	Туре	Dry contact, built-in DC 24V	
Temperature measurement	Number	6	
	Range	-20°C ~ 140°C	
	Accuracy	±2 °C	
Residual current	Number	1	
	Rated Value	AC 1000mA/0.5mA	
Auxiliary power	Voltage	AC/DC 80~270V 50/60Hz	
	Power consumption	≤5VA	
Communication interface	RS485 Port	Modbus-RTU, up to 38400bps	
	Ethernet Modbus-TCP	Optional	
Real time clock	Clock drift	≤0.5s/day	
Standard	IEC 61557-12, IEC62053-22, IEC62053-23, IEC 61010-1, IEC 61326-1		