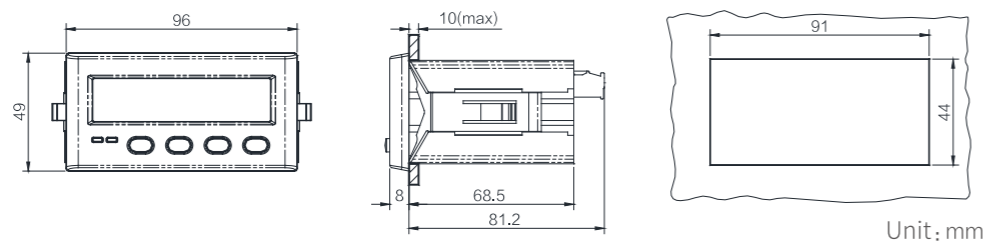
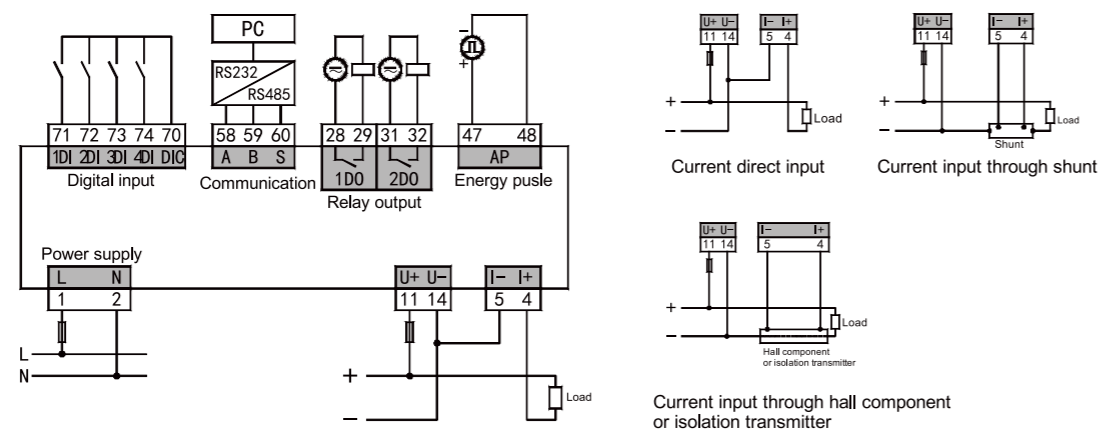




DIMENSIONS



TYPICAL WIRING



TECHNICAL SPECIFICATION

Item	Parameter		
Accuracy Class	0.5%		
Display Data Update Time	1s		
Input Characteristics	Voltage	Rated value	1000V, 1500V
		Overload	Continuous: 1.2Vn
	Current	Rated value	DC+4V, 10A, 75mV(External current diverter)
		Overload	Continuous: 1.2In
Power Supply	Working Range	AC,DC 80 ~ 270V	
	Power Consumption	≤5VA	
Digital Input	≤0.1mW(each channel)		
Relay Output	Contact Capacity AC 5A/250V, DC 5A/30V		
Analog Output	Current Output	DC 4 ~ 20mA, 0 ~ 20mA and etc. load ≤350Ω	
	Voltage Output	DC 0 ~ 5V, 1 ~ 5V and etc. load ≥20kΩ	
Communication	RS-485 interface, Modbus-RTU protocol, baud rate 2400 ~ 9600bps		
Protection Level	IP64(Front panel), IP20(Rear case)		
Working Temperature	-10 ~ 55°C		
Storage Temperature	-25 ~ 70°C		
Relative Humidity	≤93%RH		
Insulation Ability	Power supply, input and output ≥ AC 2kV		
Altitude	≤2500m		

PD195Z-E31 PD195Z-E33



Programmable
Optional Modules
DIN Rail Mounted 3x3 Phase Circuits



DEVICES



FUNCTION

Networks

-TN, TT, IT networks

Communication

-Interface: RS485
-Protocol: Modbus-RTU

Accuracy

-Voltage: 0.5%
-Current: 0.5%



MAIN FEATURES

Measuring

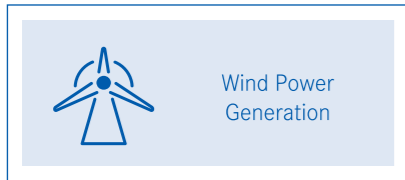
-Fundamental V/A/P/E

Energy Metering

-Analog outputs
-DC digital inputs
-Relay outputs
-Measure up to 21 circuits(add EM2D modules)



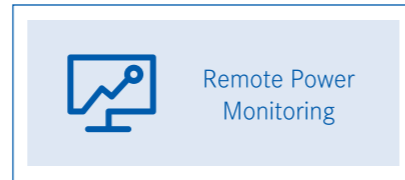
APPLICATIONS



Wind Power Generation



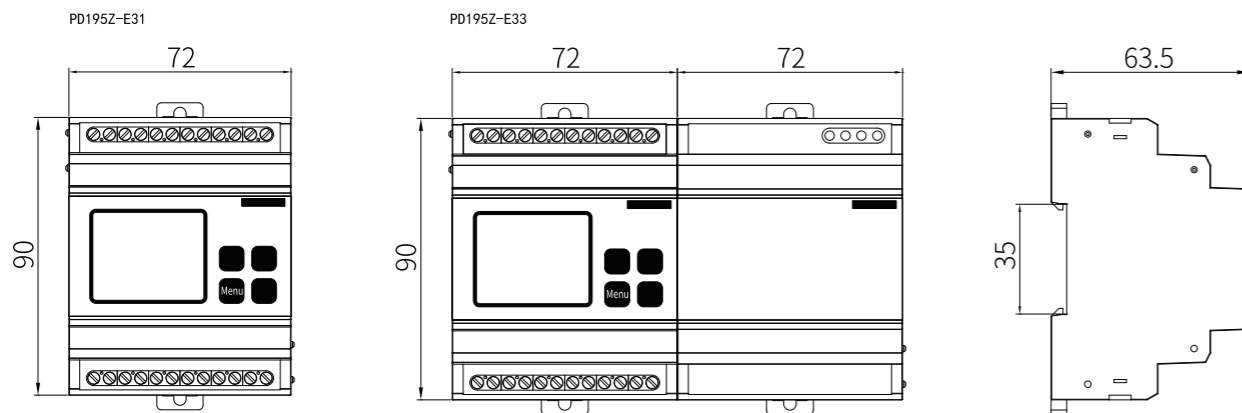
Industrial Control



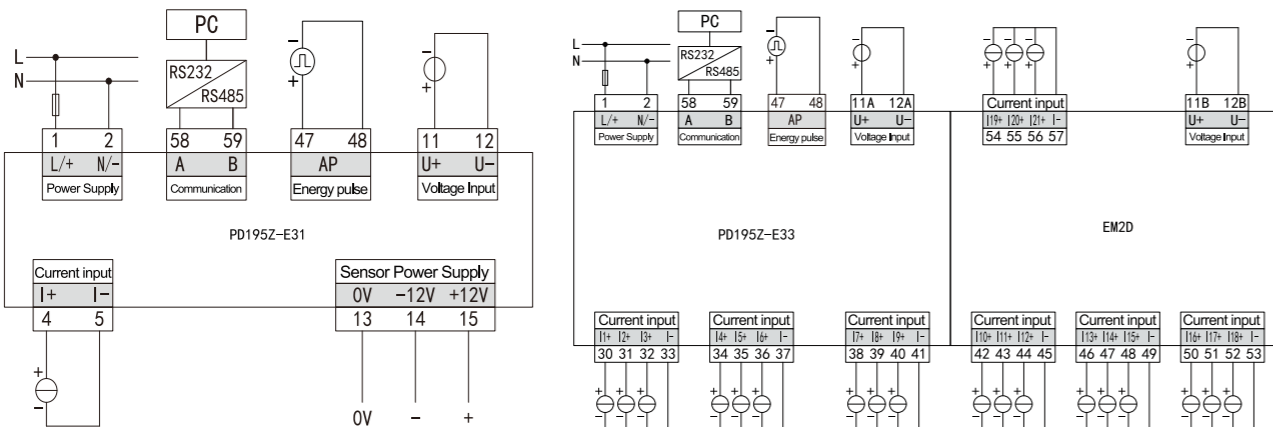
Remote Power Monitoring



DIMENSIONS



TYPICAL WIRING



TECHNICAL SPECIFICATION

Item	Parameter		
Accuracy Class	Measuring module: U,I,P Class 0.5, Energy Class 1 Measuring module+ Hall sensor: U Class 0.5, I,P Class 1, Energy Class 2		
Display Mode	LCD		
Signal Input	Voltage	Rated Value	DC(40 ~ 1000)V direct access
		Overload	Continuous: 1.2Vn
	Current	Power Consumption	≤0.2W
		Impedance	≥6MΩ
		Rated Value	DC(0 ~ 4)V(External hall sensor)
		Overload	Continuous: 1.2In
Power Consumption	≤0.1mW(each channel)		
Power Supply	Working Range	AC,DC(80 ~ 270)V, 50Hz/60Hz	
	Power Consumption	≤5VA	
Communication	RS-485 interface, Modbus-RTU protocol, communication rate up to 9600bps, higher rate can be customized		
Digital Input	Optocoupler isolation, dry contact type(Optional EK1 module)		
Relay Output	Contact capacity: AC250V/5A, DC30V/5A(Optional EK1 module)		
Working Temperature	-20 ~ 70°C, ≤93%RH, altitude:≤4000m		
Storage Temperature	-30 ~ 80°C, ≤93%RH		
Protection Level	IP50(Front panel), IP20(Rear Case)		
Safety	Insulation	Signal, power supply, output terminal to case resistance≥100MΩ	
	Withstand Voltage	Power supply, input and output≥AC2kV	