

PD195Z-CD32F



Programmable
Wide Range of Working Temperature
High DC Voltage Input



FUNCTION

- **Networks**
 - DC networks
- **Accuracy**
 - Voltage: 0.5%
 - Current: 0.5%
 - Energy: Class 1
- **Communication**
 - Interface: RS485
 - Protocol: Modbus-RTU

MAIN FEATURES

- **Measuring**
 - Fundamental V/A
 - Demand
 - Max./Min. Value
- **Energy Metering**
 - Active energy
 - Tariffs

APPLICATIONS



Solar Power Generation



EV Charger



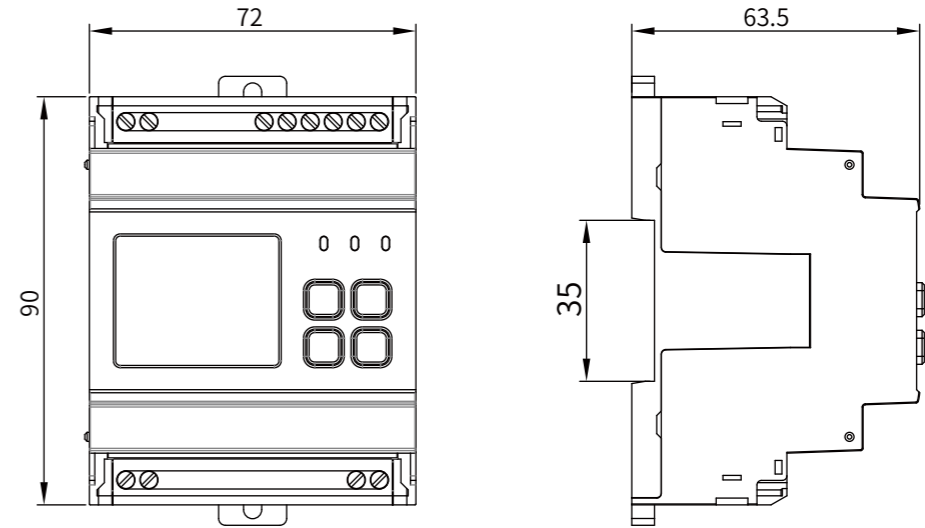
Remote Power Monitoring

MODEL

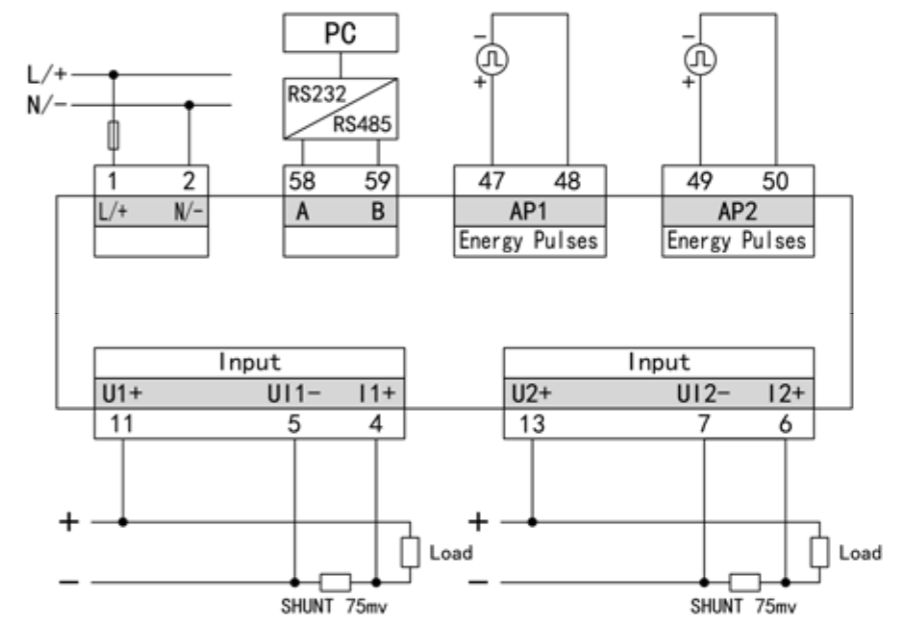
Product model	Measurement (2 channels)				Communication	Energy pulse
	Voltage U	Current I	Power P	Energy E		
PD195Z-CD32F	DC 1000V	DC 75mV	■	■	1 channel	2 channels

NOTE: "■": Yes

DIMENSIONS



TYPICAL WIRING



TECHNICAL SPECIFICATION

Electrical characteristics		
Accuracy		
		Voltage, current: Class 0.5, Power: Class 1 Energy: Class 1
Voltage input	Rated voltage Un	DC 1000V CATII
	Over voltage	Continuous: 1.2Un
	Power consumption	≤0.2 W
Current input	Rated value In	75mV (input via shunt)
	Minimum current	0.05In
	Maximum current	1.2In
	Start-up current	0.004In
	Power consumption	≤0.1 W
	Working power supply	
Rated range	AC/DC: 80~270V or DC: 9~36V	
Power consumption	≤5VA or ≤2W	
Communciation characteristics		
RS485 communication port	Modbus- RTU protocol, baud rate up to 38400bps	
Output interface		
Energy pulse	Pulse width 80ms±20ms	
Real-time clock		
Error	≤0.5s/24h	
Mechanical characteristics		
Dimension(mm)	72×90×63.5	
IP protection	Front case: IP54, rear case IP20	
Ambient condition		
Working temperature	(-40~70)°C	
Relative humidity	(5~95)%(no condensation)	
Altitude	≤2000m	
Comply to standards		
Safety	IEC61010-1	
EMC	IEC61326-1	

DTSF1946-4M-01



Programmable
Wide Range of Working Temperature (-40~70 °C)
MID Certification



FUNCTION

- ◉ **Wiring**
-Down in and up out
- ◉ **Accuracy**
-Active energy Class index B
- ◉ **Communication**
-Interface: RS485
-Protocol: Modbus-RTU

MAIN FEATURES

- ◉ **Measuring**
-V/A/P/Q/PF/F/±kWh
- ◉ **Energy Metering**
-Bi-directional energy
-Tariffs

APPLICATIONS



Intelligent Buildings



EV Charger



Remote Power Monitoring