

Electric Application Solution Expert

LNF96EY





PRODUCT INTRODUCTION

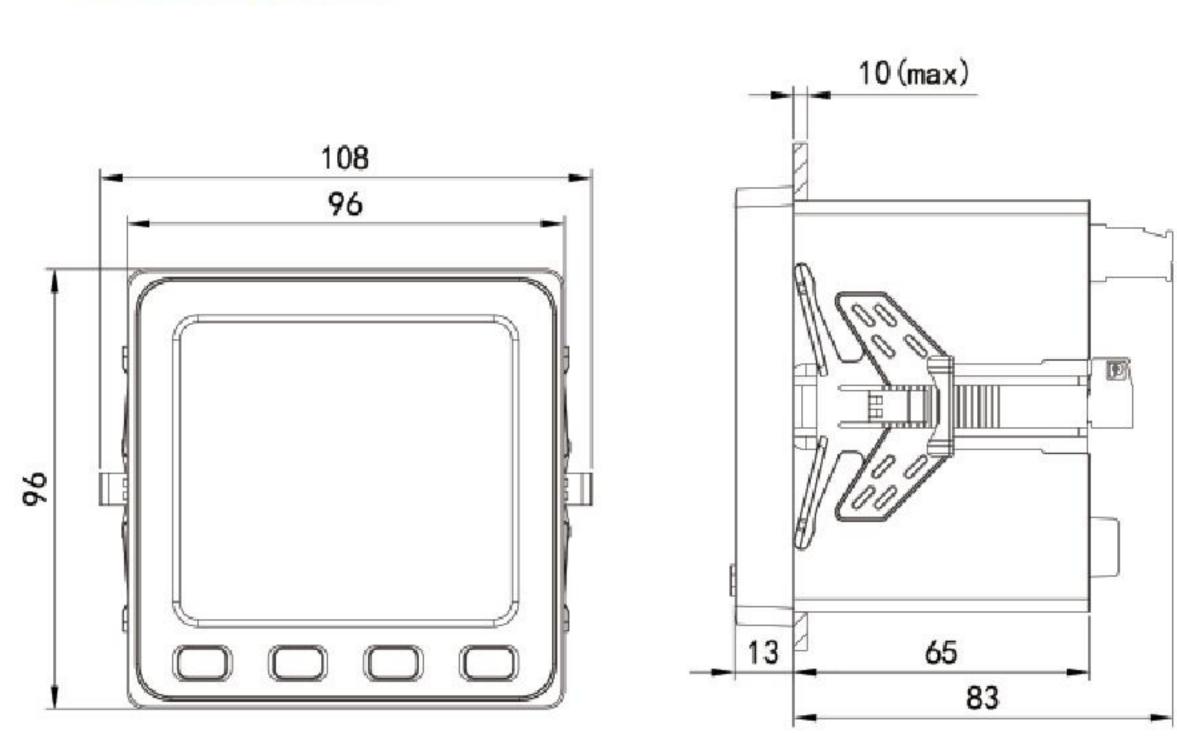
MAIN FEATURES:

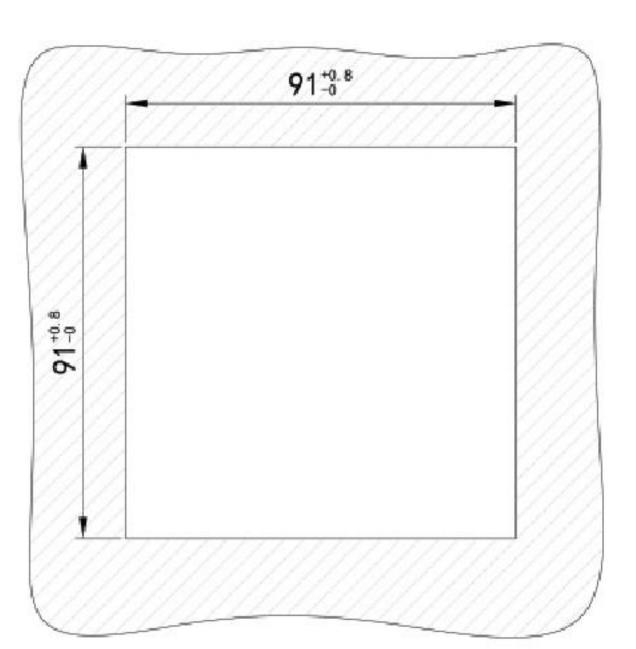
Full power parameter measurement, Energy Metering, Harmonic monitoring, Limit alarm, Switch Status Monitoring **APPLICATIONS**:

Energy Management, Power Monitoring



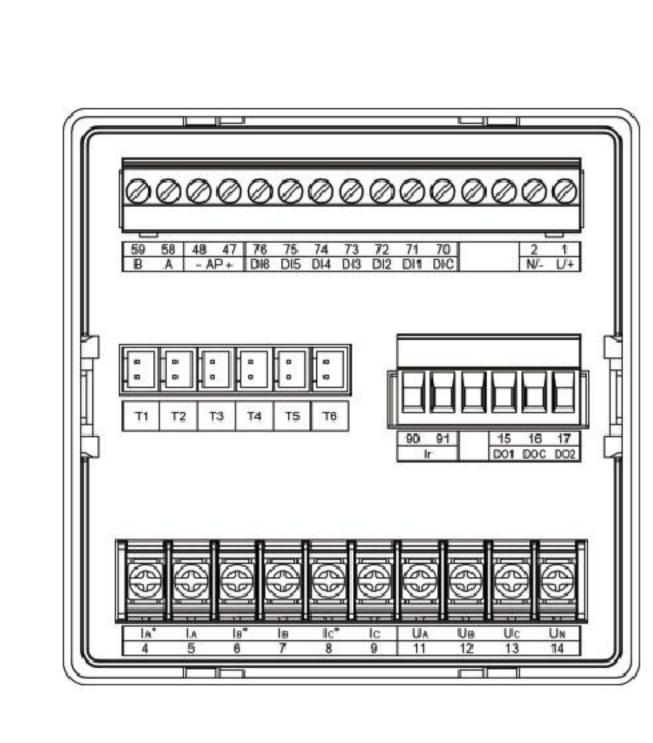
DIMENSIONS

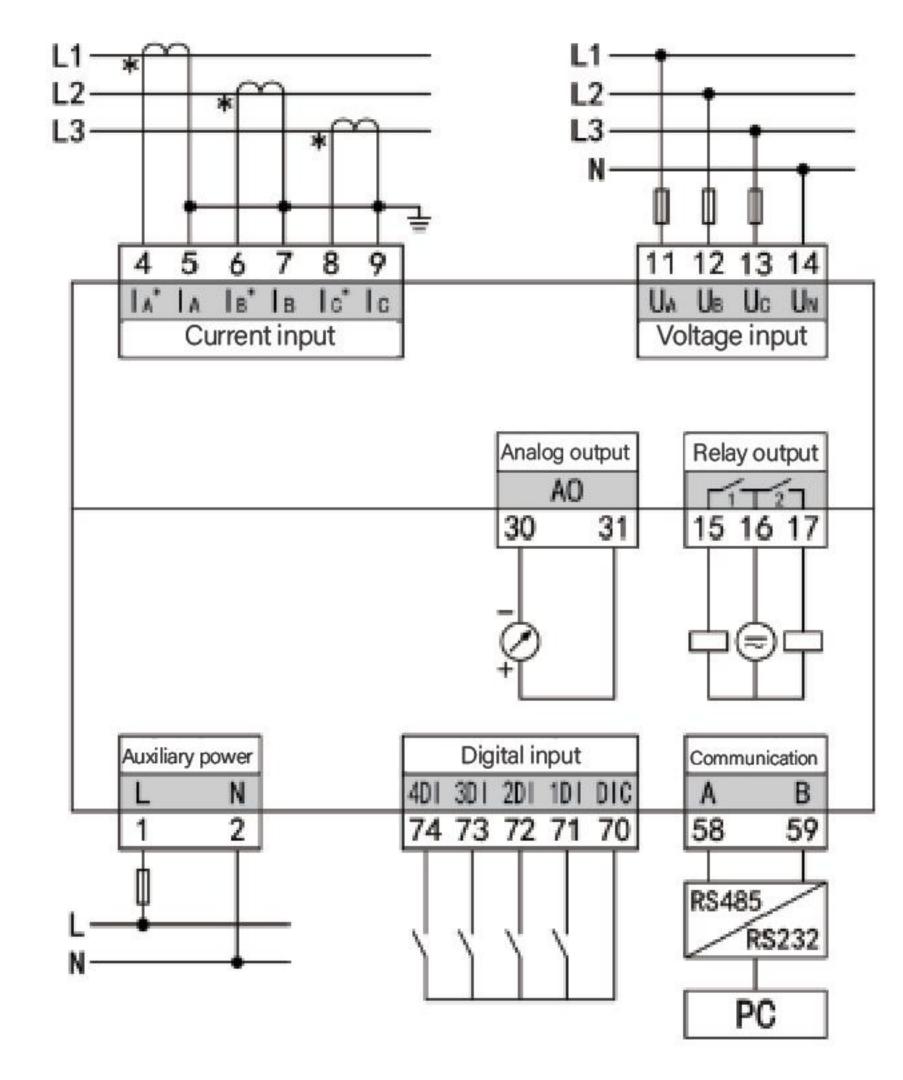






TERMINALS AND TYPICAL WIRING







TECHNICAL SPECIFICATION

Function	LNF96EY		
Display method	LCD display		
Real-time measurement	 Three-phase voltage Three-phase 	se current Neutral current	 Active power
	Reactive power Apparent	t power • Frequency	Demand
	 ■ Max、Min、Average value ■ Phase angle、Ordinal component ○ Temperature (6 channels) 		
Energy Metering	Bi-directional total active energy Bi-directional total active		al total active energy
	Four-quadrant reactive energy		
Power quality monitoring	 Voltage unbalance Current unl 	palance THDu	• THDi
	 2nd-31st harmonic content Voltage crest factor Current K factor 		
	 RS485 communication interface(1channel) 	O Digital inpu	ut(4channels)
	O Relay output(2channels)	O Analog out	put(1channel)
Others	Limit alarm O Data record	O Freezing data Comm	unication Address Mapping

[NOTE1]: "● " Yes, "O" Optional.

The model suffix represents the optional function.

C: RS485, M: Analog output, J: Relay output, K: Digital input, T: temperature input, A: Residual current input. For example: LNF96EY-CK

[NOTE2]: When one of the functions of tariff energy, data recording and freezing data is selected, the other two functions are available at the same time.



TECHNICAL SPECIFICATION

-25°C+55°C -25°C+70°C 5%95%RH,no condensation ≤ 2000m CAT III 2 96mm×96mm×83mm
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2 96mm×96mm×83mm
96mm×96mm×83mm
Front IDEA Deal IDOO
Front IP54, Back IP20
300V (CAT III)
IEC 61010-1,double insulation
AC/DC 80V270V
50/60Hz ± 5Hz
≤ 5VA
230/400 VAC
10V
0.1 V
≥ 1.7 MΩ/phase
≤ 0.1 VA /phase
continued: 1.2Vn,instant: 2Vn/1min
45Hz-65Hz
1A or 5A
10mA
1mA
≤ 20mΩ/phase
≤ 0.2 VA/phase

Digital input			
Quantity	4		
Туре	Dry contact, built-in DC 24V		
Relay output			
Quantity	2		
Contact rating	AC 250V/5A or DC30V/5A		
Analog output			
Quantity	1		
Туре	420mA,41220mA		
Load capacity	≤ 500 Ω		
Temperature			
Quantity	6		
Measuring range	-20 °C ~140 °C		
Measurement error	±2°C		
Residual current			
Quantity	1		
Rated value	AC 1000mA/0.5mA		
Communication Interface			
Quantity	1		
Interface	RS485		
Rate	2400bps115.2kbps		
Protocol	Modbus-RTU, DL/T 645		
Real Time Clock			
clock drift	≤ 0.5s/day		
Terminal			
Tightening torque	0.5Nm		
Standard			
IEC 61557-12	Performance Measurement and Monitoring Devices		
GB/T 22264.7	Special requirements for multifunction instruments		
IEC 61326-1	Electromagnetic Compatibility		
IEC 61010-1	Electrical Safety		
Insulation	IEC61010-1		
Certificate	CE		
Active energy	IEC62053-22		