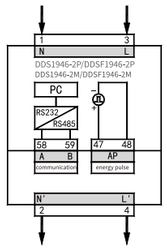
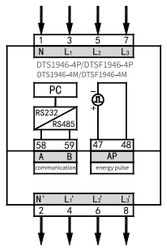
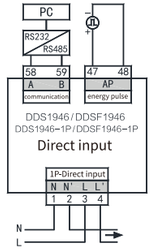
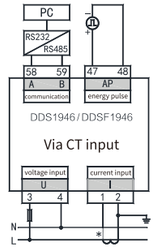
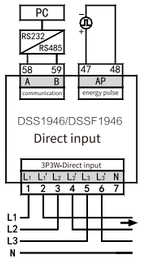
TYPICAL WIRING

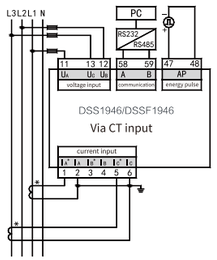


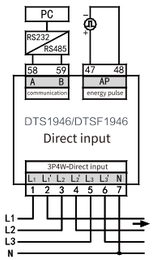


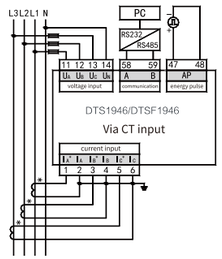












TECHNICAL SPECIFICATION

Model		DDS(F)1946-1P DDS(F)1946-1P+	DDS(F)1946-2P DDS(F)1946-2M	DDS(F)1946	DSS(F)1946	DTS(F)1946-4P DTS(F)1946-4M	DTS(F)1946
Normal Voltage		230V	230V	230V	3×400V	3×230/400V	3×230/400V
Frequency		45Hz~65 Hz					
Voltage Range		0.8Un~1.2Un					
Start Current	Direct input	0.004Ib					
	Via CT input	0.002In					
Consumption		< 2VA					
Energy Pulse		1 output, pulse width (80±20%) ms					
Digital Input		Active digital input, input range 0～220VAC; ＞150VAC closed, ＜70VAC open.					
RTC Error		≤0.5s/day					
Communication		RS485, Modbus-RTU, 2-wire, up to 9600bps					
IP Degree		Front: IP51					
Operating Temperature		-25℃~55℃					
Storage Temperature		-25℃~70℃					
Relative Humidity		≤93%					

DDSY1946A
DTSY1946A

The Prepaid energy meter is designed by adopting advanced microprocessor and signal processing technology, and it possesses functions as below: All-parameter measurement, electric energy metering, time-division charging, prepayment, demand quantity statistic, event recording, malignant load identification, fault warning, etc.

Strong/weak Current Isolation
Prepaid
Bi-directional Energy
Parameter Programmability

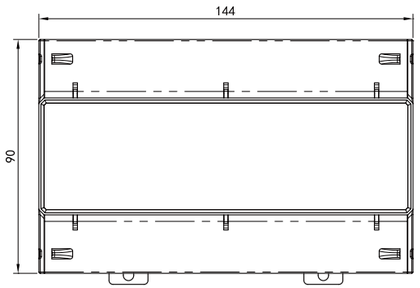
COMPARISON TABLE

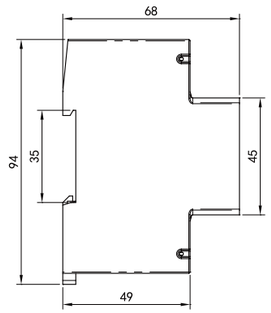
Model		DDSY1946A	DTSY1946A
Wiring Mode		Single phase	Three-phase four-wire
Voltage Range		230V	3 x230/400V
Current Specification	Direct access	5(80)A	5(80)A
Real-time Measurement	Voltage and current	■	■
	Power	■	■
	Power factor	■	■
	Frequency	■	■
Electric Energy Metering	Bi-directional energy	■	■
	Multi-rate electric energy	■	■
Switching Value	Switching value input (AC wet contact)	■	■
	Relay output	■	■
Communication	RS485 interface	■	■
Electric Energy Pulse/clock Pulse		■	■
Display Mode		LCD	LCD

Note: The "■" above means that the item has the corresponding function.

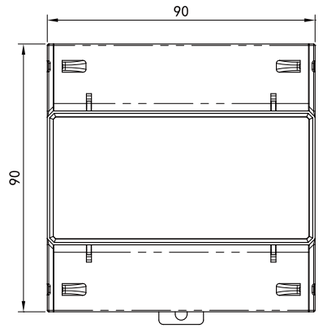
DIMENSIONS

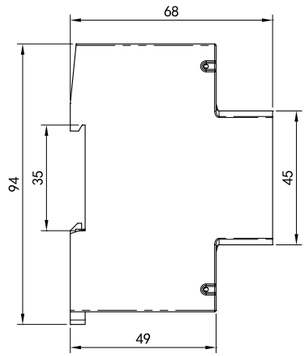
DTSY1946A





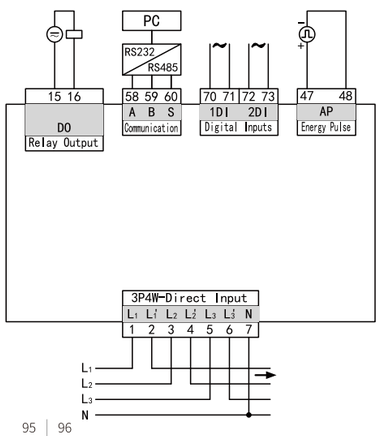
DDSY1946A



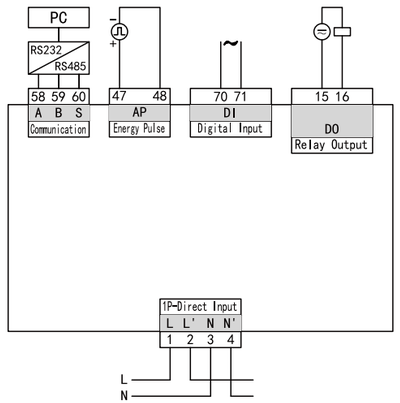


TYPICAL WIRING

DTSY1946A



DDSY1946A



TECHNICAL SPECIFICATION

Model		DDSY1946A	DTSY1946A
Accuracy		Voltage and current: 0.2%; Power: 0.5%; Frequency: ±0.01Hz; Active electric energy: class 0.5S; Reactive electric energy: class 2	
Rated Voltage		AC 230V	AC 3x230/400V
Input Current		5(80)A	5(80)A
Frequency		50/60 Hz	50/60 Hz
Wiring Mode		Single phase	Three- phase four-wire
Scope of Working Voltage		0.8Un～1.2Un	
Power Consumption	Power consumption of voltage circuit	< 5VA	
	Power consumption of current circuit	< 2VA	
Startup current	Access via CT	-	0.002In
	Direct access	0.004Ib	
AC Wet Contact		ON: AC 180～270V, OFF:< AC 100V	
RS485 Communication Interface		Modbus-RTU protocol, maximum baud rate: 9,600bps	
Electric Energy Pulse		Pulse width: 80ms±20ms	
Clock Pulse		Pulse width: 80ms±20ms	
Tripping Control Contact Capacity		3A/250 VAC; 5A/30 VDC	
IP Protection		IP54 (panel)/IP20 (case)	
Working Temperature		(-25 ～70)°C	
Storage Temperature		(-30～80)°C	
Relative Humidity		(5～95)%(no condensation)	