DSSF858/DTSF858型

three electronic multi-tariff meter



three electronic multi-tariff meter

1.Application

Three-phase electronic multi-tariff meter adopts advanced microelectronic technology , and the computer technology and SMT technology. It can measure each phase positive and negative active energy,and process it according to the relative tariff.

This meter realize functions of the 4 kinds tariff,10 time periods, 4 time zone and hundred-year calendar,infrared remote program read and RS485 port and impulse output.

This product conforms to standard of GB/T17215.321-2008, GB/T15284-2002.

2.Main technical parameter

Model No.	Type	Refer voltage Un	Rated current In	Impulse constant
DSSF858	3-phase 3-line	3×100V	3×1.5(6)A	take marked constant as
			3×3(6)A	
		3×380V	3×1.5(6)A	
			3×3(6)A	
			3×2.5(10)A	
			3×5(20)A	
			3×10(40)A	
			3×15(60)A	
			3×20(80)A	
			3×30(100)A	
DTSF858	3-phase 4-line	3×57.7/100V	3×1.5(6)A	
			3×3(6)A	
		3×220/380V	3×1.5(6)A	
			3×3(6)A	
			3×2.5(10)A	
			3×5(20)A	
			3×10(40)A	
			3×15(60)A	
			3×20(80)A	
			3×30(100)A	

3. Basic error

balance load,basic error limit

Current I	Factor	basic error%	
		1.0 level	2.0 level
0.05Ib≤I<0.1Ib	1	±1.5	±2.5
0.1Ib≤I≤Imax	1	±1.0	±2.0
0.1Ib≤I<0.2Ib	0.5(inductive)/0.8(capacitive)	±1.5	±2.5
0.2Ib≤I≤Imax	0.5(inductive)/0.8(capacitive)	±1.0	±2.0

electrical parameter

normal operate voltage	0.8~1.2 rated voltage
Insulate voltage	≥2000V（AC）
Voltage circuit consumption	≤2W和10VA
power-off,battery consumption	≤10μA

start
under rated voltage ,refer frequency and cosΦ=1.0(or sinΦ=1.0), load current is 0.004Ib(1.0 level),0.005Ib(2.0level),meter shall can measure energy continuously.

shunt running
voltage with 1115% rated voltage, current circuit break with no current,it shall have no impulse output.

mechanical parameter

shape	270mm×170mm×78.5mm
weigt	About 1.5kg

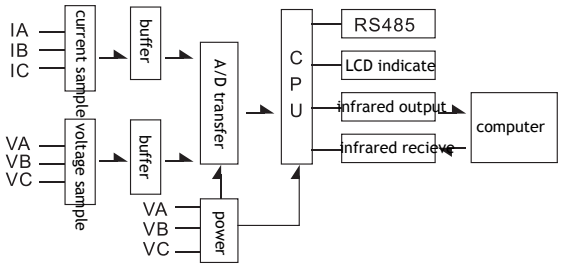
tariff parameter

clock accuacy	day error ≤0.5s(23°C)
battery capacity	≥1000mAh
power-off, data save time	≥10 year

4.Environment

normal temperature:-20°C~+50°C
ultimate temperature:-30°C~+60°C
storage and transport:-25°C~+70°C
annual humidity≤75%
30days of one year(by neutral way spread) humidity can reach 95%, other time can reach 85%.

5.Principle



DSSF858/DTSF858型

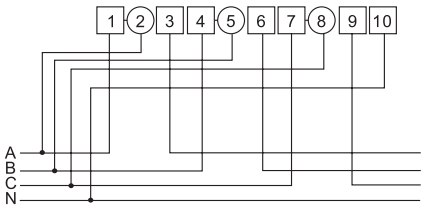
three electronic multi-tariff meter

6.Terminal diagram

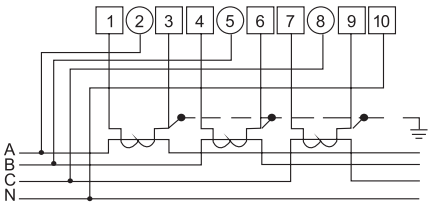
◆ terminal connect

meter shall follow the diagram on the box.

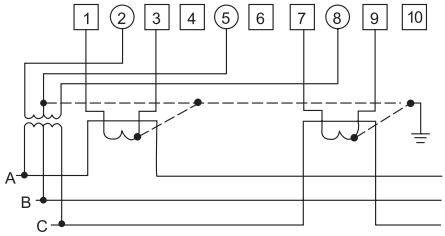
power terminal connect



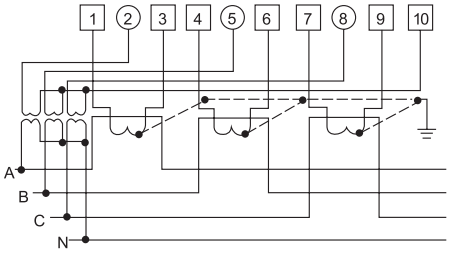
3-phase 4-line direct wiring



3-phase 4-line through external current transformer wiring

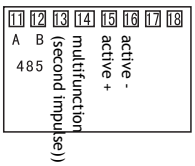


3-phase 3-line through external voltage,current transformer wiring

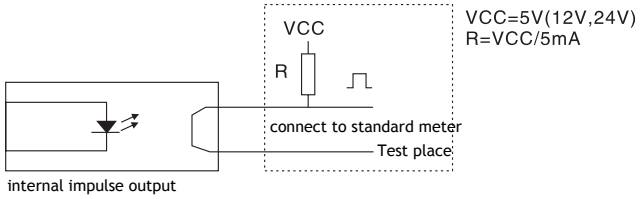


3-phase 3-line through external voltage,current transformer wiring

◆functional terminal diagram



◆ active test port diagram



7.Install and Shape dimension

◆ Please check the lead seal whether is completed before install. If it is,lead seal can be installed.

◆ Meter install at indoors for dry, fixed it with 3 screw, the hole of board shall be open according to diagram. The base board shall be strong, anti-fire, non-vibrate to ensure the safety and reability.

