

Descriptions of Remote Terminal Unit-RTU



BD-163 distribution automation remote terminal (hereinafter referred to as the distribution terminal) is a new generation of power distribution terminal based on the latest generation of automated remote terminal technology.

Remote terminal UNIT-RTU is a general term for various remote monitoring and control units installed in the distribution network, which has functions such as data collection, control, and communication. The power distribution terminal is the eyes and limbs of the power distribution automation system. The operating status of RTU in SCADA system is related to the data reliability, performance accuracy and operational safety of the power distribution automation. When the configuration is correct and the operation is normal, the RTU system realizes the correct operation of switches, rapid fault isolation and power restoration, thereby improving power supply reliability.

Technical parameters of Remote Terminal Unit-RTU

Ac sampling	Electromagnetic transformer	Measuring voltage range	0~200V(Un=100V) ratio (10KV/) / (0.1KV/)
		Measuring zero-sequence voltage range	0~200V(Un=100V/3) ratio (10KV/) / (0.1KV/)
		Measuring current range	0.01~1.2A(In=1A)或 0.01~6A(In=5A)
		Precision grade of measuring voltage and current	Class 0.5
		Protective current range	0~100A(In=5A)/0~20A(In=1A)
		Protective current accuracy	±3%
		Active power precision class	Class 0.5
		Reactive power accuracy class	Class 1
		Power factor resolution	0.001
		Frequency measurement range	45~55Hz
	Frequency measurement error	<0.01Hz	
	Electronic transformer	Measuring voltage range	0~6.5V(Un=3.25V/V) ratio (10KV/) / (3.25V/)
		Measuring zero-sequence voltage range	0~13V(Un=6.5V/3V) ratio (10KV/) / (6.5V/3V)
		Measuring current range	0~20V(In=1V) ratio 600A/1V
Measuring zero-sequence		0~2V(In=0.2V) ratio 20A/0.2V	

		current range	
		Precision class of measuring voltage and current	Class 0.5
		Protective current range	0~20V(In=1V) ratio 600A/1V
		Protective current accuracy	±3%
		Zero sequence voltage/zero sequence current accuracy level	Class 0.5
		Active power precision class	Class 0.5
		Reactive power accuracy class	Class 1
		Power factor resolution	0.001
		Frequency measurement range	45~55Hz
		Frequency measurement error	<0.01Hz