



CVT无功补偿测控装置

CVT Control of reactive power compensation device



概述

CVT-18型无功补偿控制器是集监测电网各项参数、谐波保护、无功补偿以及保护示警等功能于一体的新型无功补偿设备，适用于交流0.4KV、50Hz低压配电系统的监测及无功补偿控制。以高速数字信号处理器为核心，采用交流取样，FFT数据处理。人机界面为128x64点阵大屏幕液晶显示器。

General

CVT-18-type reactive power compensation controller is a set of monitoring parameters, harmonic protection, reactive power compensation and the protection of warning and other functions in one of the new reactive power compensation equipment, suitable for AC 0.4KV, 50Hz low-voltage distribution system Monitoring and control of reactive power compensation. High-speed digital signal processor core, AC sampling, FFT data processing. Man-machine interface for the 128x64 dot matrix large LCD display.

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产品特点

- 具备过压、欠压、缺相、零序电流越限、谐波越限及系统振荡判断显示并快速切除电容器组的功能
- 控制参数设置灵活，使用方便，掉电不丢失
- 依据功率因数和无功功率进行判断，切除或投入电容，最大可控制18路
- 灵活的补偿方式，可实施全共补、全分补或者分补共补混合应用
- 控制电容采取先投先切，循环和编码投切相结合，尽可能延长电容的使用寿命
- 可设置编码投切方式和单步容量
- 可切换的自动运行和手动运行方式
- 能够实时显示系统参数及谐波状况

Features

- With overvoltage, undervoltage, phase, zero sequence current more limited, more limited and the system harmonic oscillation and rapid removal of judge shows the functions of capacitor banks
- Control parameters set flexible, easy to use, power-down is not lost
- Based on power factor and reactive power to judge, removed or put capacitance, maximum control of 18 Road
- Flexible compensation, total up the whole can be implemented, all points were added up, or mixing applications divided up
- Control the capacitor to cut before the first vote, code switching cycle and combining as much as possible to extend the life of the capacitor
- To set the encoding mode and single-step switching capacity
- Switchable automatic operation and manual operation mode
- Real-time display system parameters and harmonic conditions

使用条件

环境温度：-25℃~45℃

湿度：最高温度40℃时，相对湿度不超过50%，在温度较低时允许有较高的相对湿度

海拔：海拔高度不超过4000米

污染：周围介质无爆炸危险 无足以损坏绝缘及腐蚀金属的气体、无导电尘埃

电压波动范围：不超过本机额定取样电压的±10%

Conditions of Use

Ambient temperature: -25 °C ~ 45 °C

Humidity: maximum temperature 40 °C, relative humidity of not more than 50% in the low temperature allows a higher relative humidity

Altitude: not more than 4000 meters above sea level

Pollution: No explosion hazard surrounding medium sufficient to damage the insulation and corrosion-free metal gas, non-conductive dust

Voltage fluctuation range: no more than the machine rated voltage ± 10% sampling