



## ◎ Product Introduction

The YK-3A/YK-4A automatic controller (hereinafter referred to as the controller) is a control device that controls the switching operation of the on-load tap-changer through the electric operating mechanism on the head of the on-load tap-changer, thereby manually , Automatic, parallel, electric voltage regulation. YK-4A is suitable for ZS 10kV type on-load tap changer, and YK-3A is suitable for ZS 35kV type on-load tap changer.

## ◎ Performance characteristics

- ❖ The controller can adjust the "1-N", "N-1", and "Stop" tap switch positions by touching the keys on the panel. It can also set parameters such as the setting voltage, voltage regulation accuracy, and delay time.
- ❖ The controller can display the signal voltage, number of operations, tap position and parallel connection number on the display screen.
- ❖ The controller has working mode, working mode, passive contact output, BCD code contact output, and the gear position corresponds to the passive contact output one by one. Remote control "1-N", "N-1", "Stop" passive contact input to realize remote control of step-up and step-down stop. It can also communicate with the host computer through the RS-485 communication interface, which can realize the remote control of step-up and step-down. It can also remotely signal the current tap position, actual voltage, working mode and working mode. Convenient for remote monitoring.
- ❖ The controller has an alarm passive contact output.

- ❖ The controller has running passive contact output.
- ❖ The controller has an action contact normally closed contact input. Only when this contact is closed can there be lifting action. There is no lifting action when disconnected.
- ❖ Under-voltage protection function, when the actual voltage is lower than 70% of the set voltage, it will give an audible and visual alarm while blocking the buck-boost action. Overvoltage protection function. When the actual voltage is higher than 30% of the set voltage, the lifting action will be blocked while the sound and light alarm is issued.

## ⊙ Technical Data

Power source voltage: 220V (YK-4A) (85% ~ 110%)  
 380V(YK-3A) (85% ~ 110%)

Rated frequency: 50Hz/60Hz

Signal voltage: 20VAC~500VAC

Under voltage: less than 70% of the set voltage

Over voltage: higher than 30% of the set voltage

## ⊙ Installation Diagram And Method

