

## YK-3 On Load Voltage Regulation Controller

YK-3 On Load Voltage Regulation Controller is used for control 35kV OLTC to tap-change operation, and mates with on load voltage regulation transformer to obtain auto voltage regulation system。

The controller have 2 kinds of operation model: manual and auto:

On auto model, when results f comparison deviated from the set value the sampling voltage and setting voltage. The controller will delay issued “boosted”, “depressurization” order, to made OLTC auto voltage regulation.

On the manual model, could manual issued “boosted”, “depressurization”, “stop” order on the control panel, also could received remote command input interface and RS485 communication interface input “boosted”, “depressurization”, “stop” order to operation OLTC.

The tap position, setting voltage, voltage regulation accuracy, delay time, sampling voltage, number of operation, transformer element number of OLTC and boosted depressurization, under voltage, both of them that can display on the panel.

Such as setting voltage, voltage regulation accuracy, delay time, transformer element number etc parameters can be set according to user requirements.

There are tap position BCD code, one to one relationship between the tap position and passive contact output interface, over-current blocking, under voltage protection, anti running shift function; Max and min tap position electrical limit.

### Technical parameters

#### 1. Rated parameters

- |                                   |  |
|-----------------------------------|--|
| A. Service power source: AC 380V  | B. Rated frequency: 50Hz                   |
| C. Sampling voltage: AC 100V/400V | D. Under voltage: 70% (70% of the setting) |

#### 2. Setting parameters and display parameters

- |  |   |
|--|---|
| A. Setting voltage: 85V~460V, step length 0.5V | B. Voltage regulating: 0.1~9.9%, step length 0.1% |
| C. Delay time: 5s~180s, step length 1s         | D. Unit number: 1~9                               |

3. Sampling voltage display: 0~500V

4. Tap position display: 1~9

5. Operating time display: 0~65535

YK-3 Outline dimension and mounting dimensions as follow as figure 1 & figure 2

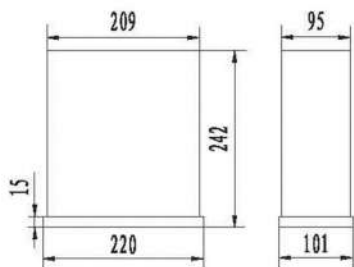


Figure 1 Outline dimension

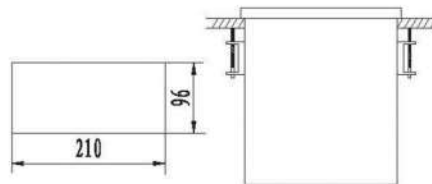


Figure 2 Mounting dimension

Switch cubicle panel

Mounting bracket