

# TJD(SVC) Series

## High-accuracy Automatic AC Voltage Stabilizer

### Operation Instruction

Before installing and using the product,  
please read the instruction carefully and well keep it for future reference.

#### Product Certificate

This product has passed the inspection and meets the requirements of SB/T 10266 and JB/T 10089, and therefore is allowed to leave the factory.

Inspector:

Production date: See the product or packaging.

Huanyu Group Co., Ltd.

Design document name	Operation Instruction		
Product model and name	TJD(SVC) Series High-accuracy Automatic AC Voltage Stabilizer		Total of 6 pages
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## Overview

This series of high-accuracy automatic AC voltage stabilizers is designed and manufactured according to the principle of automatic voltage regulation that widely used in the world at present. The key components and elements are imported. This series of stabilizers is characterized by high voltage stabilization accuracy, small distortion of output waveform, small power consumption, small size and light weight, and can be widely used in computer rooms, laboratories, factories and other occasions to provide stable AC voltage for high-end electrical equipment and electrical appliances requiring stable voltage. It can also provide 110 V stable voltage for the imported electrical equipment. Compared with other AC voltage stabilizers, it has a higher performance-price ratio, which is an ideal AC voltage stabilizer at present.

## Technical parameters

Model	Input voltage range	Rated output voltage
TJD(SVC) -0.5kVA	140V-250V	220V/110V
TJD(SVC) -1kVA		
TJD(SVC) -1.5kVA		
TJD(SVC) -2kVA		
TJD(SVC) -3kVA		
TJD(SVC) -5kVA		
TJD(SVC) -7.5kVA		
TJD(SVC) -10kVA		
TJD(SVC) -15kVA	140V-250V	220V
TJD(SVC) -20kVA		
TJD(SVC) -30kVA		

## Principle of Operation

◆ This product is mainly composed of a contact voltage regulator, sampling, comparison and amplification control circuits, and an executive motor. The whole circuit constitutes a closed control circuit.

◆ When the input voltage and load change, the output voltage is sampled by the sampling circuit and compared with the set reference, and the amplified and output signal controls the servo motor to drive the carbon brush rotating arm of the voltage regulator to rotate, thus adjusting the output voltage to the set rated voltage value to ensure stable voltage output.

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Signature						Verified by		
						Standardization		
Date					Proposing department	Examined by		
Mark	PCS	Rev. No.	Signature	Date		Approved by		









