TDGC₂ TSGC₂ VOLTAGE REGULATOR

APPLICATIONS:

The TDGC₂ and TSGC₂ regulator have many advantages: Such as no wave form distortion, Small in size ,Light in weight, high efficiency, easy-to-run, reliadle and adle to operate for a long time, It can be widely used in industries Suchas chemical metallurgical instrumental, mechanical and electical and lightindustry, as well as for scientific experiments, public utility and clomesticelectrical appliances in oroler to adjust voltage, speed or light, to control temperature and power, It is a kind of ideal acljustable Ac power source,

BASICPRINCIPLE:

The contact voltage regulator actually is an autotransformer whose transratio can be continuously changed, By combination of the hand-wheel, shaft and brush holder, a carbon drush traverses the base coil surface to the transratio continuosly, So the output voltage of the wnit is smoothly controlled from zero to line value or even higher.

OPERATION CONDITIONS:

•	Ambient Temperature	
	Maximum Temperature	+40°C
	Maximum Daily Average Temperature	+30°C
	Maximum Yearly Average Temperature	+20℃
	Minimum Temperature	-5℃

Elevation: The place for installation should be with an elevation of less than 1,000 meters

Relative Humiclity: The maximum average monthly relative humidity is 90% and the average temperature of this month should be 25°C.

voltage waveform of the Source: nearly sinusoidal.

*At the installation place, any existence of gac, Steam, Chemi cal deposit, dust, dirt and other explosive or corrosive mediums, which would bring severe effect its insulation is not allowed.

· At the installation place, no obvious vibration and bumping are permited,

"In door use.

* Use in parellel is not allowed.

INSTALLATION AND MAINTENANCE:

- Source voltage value should be in accordance with the input voltage value printed on the name plate of the regulator.
- * The grounding of the regulator must be good enough to ensure safety.

The operation state of the vegulator should be checked up frequently, If the electric dursh is found to be wear out or in complete, it should be replaced with u new one of the same kind at once, Before use, put a sand paper NO.O under the brush. And turn the hand wheel for sereral times to level its bottom and ensure good contact, The new copper graphite combined brush replaced must * strictly accord with the specification.

The regulator can be installed horizontally. On the face plate conly for single unit regulator structure or vertically on other dase, It can be fixed through the installation hole on the base of the regulator

TYPE	RATED CAPACITY (KVA)	NO OF PHASE	NOMINAL FREQUENCY (HZ)	RATED IN PUT VOLTAGE(V)				RATED OUTPUT VOLTAGE(V)	RATED OUTPUT CURRENT(A)
TDGC2-0.2	0.2								0.8
TDGC ₂ -0.5	0.5		50~60	110	220	230	110 or 220	√ 0~250	2
TDGC2-1	1	1							4
TDGC2-2	2								8
TDGC2-3	3								12
TDGC ₂ -4	4								16
TDGC2-5	GC2-5 5								20
TDGC2-7	7								28
TDGC2-10	10 10								40
TDGC2-15	15								60
TDGC2-20	20								80
TDGC2-30	30								120
TSGG2-3	3		50~60						4
TSGC2-6 TSGC2-9 TSGC2-12 TSGC2-15	6								8
	9			380				0~430	12
	12	12 3 15 20							16
	15			natio score da anti-					20
TSGC2-20									27
TSGC2-30	30							a second to second	40

MAIN SPECIFICATIONS