

## Regulators RG-T

Power factor controllers are used for measuring and controlling power factor improvement units for the reactive power compensation center. The power factor is measured by RG-T and compared with the set point values to provide the necessary compensation.

RG-T is a microcontroller, designed to measure the reactive power requirements of an installation and give the commands to connect and disconnect the corresponding capacitor to maintain the cos preset.



## Technical characteristics

Type	Var-métrique
Dimensions	144*144 mm
Protection class	IP 40 Front pannel
Precision	1%±1 digits (V, I, COS) ; 2%±1 digits (W, Var, VA, harmonique)
Overvoltage setting	0-500 VAC
Current range	50mA-5.5A ( other current range on request )
Measuring range with transformer	50mA-10KA Primary of transformator 5...10000/5A 50mA-10KA
Input load	< 2VA courant, < 3VA Voltage
Cos $\phi$ setting	0.8<cos $\phi$ <1 inductive/capacitive
Setting of C/K	0.02-1.00
Delay between steps	2-1800 s a switch for on / off separately
Interface/Protocole Communication	RS-585 Modbus RTU
THD- V-Alarm programmable	
Discharge time programmable	
Overvoltage alarm programmable	•
Automatic calculation of steps	
Energy measurement	
Display of parameters for each phase	
Alarm contact output	
<b>POWER SUPPLY</b>	
Operating voltage	400VAC ±10%
Operating frequency	50HZ/60HZ
Power consumption	<10 VA
Number of steps	6 / 8 / 12
Operating temperature	-5...+55°C
Ambient humidity	85%
Mounting	Front panel mounting /Socket with screw terminal
Types of connection	Phase2/phase3, 1 current transformator on phase1

## Connection diagram

