

Regulators RGI-S

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 RGI-S and compared with the set point values to provide the necessary compensation.

RGI-S 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

RGI-S (On request)	
Type	Var-métrique
Dimensions	144*144 mm
Protection class	IP 54 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 Transformer ratio 1-2000
Input load	< 2VA courant, < 3VA Voltage
Cos ψ setting	0.8<cos ψ <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	•
POWER SUPPLY	•
Operating voltage	150-525 VAC ±10%
Operating frequency	50HZ/60HZ
Power consumption	<25VA
Number of steps	6/9/12
Operating temperature	-20...+70°C
Ambient humidity	95%
Mounting	Front panel mounting /Socket with screw terminal
Types of connection	All type of connexion