

REGULATOR CONTROL RELAY

General

It shows the mains input voltage and regulator output voltage simultaneously. The regulator controls the servo motor to keep the output voltage constant. It has voltage control and audible warning depending on regulator output voltage.

Usage of Device and Working Principle

Make the connections according to the connection diagram. When the device is energized, the first display shows the regulator output voltage and the second display shows the regulator input (mains) voltage. If the regulator output voltage is between P.04 (regulator output high protection voltage) and P.05 (regulator output low protection voltage), the relay (Out) led will light and switch to the contact output NO terminal. If the regulator output voltage is not between P.04 and P.05, the device counts up to P.07 (protection time), then the relay led goes off, the contact output switch to the NC terminal and the device sounds an buzzer. When the regulator output voltage returns between P.04 and P.05, the regulator counts up to P.06 (de-protection time), then the relay led turns on and switch to the contact output NO terminal. If the regulator output voltage is between (P01 + P02) and (P01 - P02), the device does not output to the motor.

Note: When the difference between the input and output voltage is below 3V, the buzzer will not activate. (In case of bypass)

Maintenance

Switch off the device and release from connections. Clean the trunk of device with a swab. Don't use any conductor or chemical might damage the device. Make sure device works after cleaning.

Warnings

-Please use the device according to the manual. -Don't use the device in wet. Include a switch and circuit breaker in the assembly.

-Put the switch and circuit breaker nearby the device, operator can reach easily.

-Mark the switch and circuit breaker as releasing connection for device.

Note: If the motor is moving in the opposite direction, reverse the motor switch 1 (18) and motor switch 2 (19) connections.





Tecnical Specifications

Supply (Un)	:	220V AC 50/60Hz.
Operating Range	:	Un x (0,8 - 1,2)
Operating Power	:	<6VA
Measurement Range	:	1V - 300V (L-N)
Measurement Accuracy	:	±%1
Contact	:	250V/5A AC (1250W) (Resistive Load)
Motor Outputs	:	24V/2A AC
Operating Temp.	:	-20°C+55°C
Display	:	14mm LED Display (20mm in RG-96K) 14mm LED Display + LED
Connection Type	:	Plug-in terminal
Cable Diameter	:	1,5mm²
Veight	:	0,240Kg. (RG-96K) 0,190Kg. (RG-72K)
Panel Hole Sizes	:	91x91mm (RG-96K) 68x68mm (RG-72K)
Protection Class	:	IP41 (Front panel), IP00 (Body)
)perating Altitude	:	<2000m





RG-72K and RG-96K ENG

Dimensions for RG-96K