

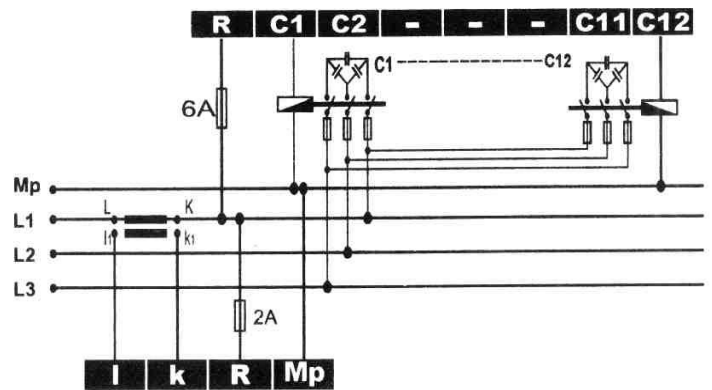
General

RGM-07E and RGM-12E reactive power controllers are designed to balance the reactive (inductive) power of loads for monophasic or balanced three phase systems.

Using Manual and Working Principle

Make connections according to the diagram and give power. When device is powered, it starts to pull the steps one by one. At the same time it tests current transformer ratio and then releases steps in system. Please sequence the steps from smaller to bigger. Device operates the system according to your sequencing.

Connection diagram for RGM-07E/RGM-12E



For Example:

1.Step	2.Step	3.Step	4.Step	5.Step	6.Step	7.Step
1 Kvar	2.5 Kvar	5 Kvar	7.5 Kvar	10 Kvar	15 Kvar	20 Kvar

When step is put in to use, it starts from first step and goes by turn. When step is inactivated, it starts releasing steps from first step. If needed, it starts from first step also.

Note : Device can not make good compensation for the systems which has fast load changes.

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.
- Current transformers should be connected to input. If you connect a current transformer after a load, device can not read the current and compensation will be incorrect.
- For better compensation of current transformer, select $(K_I \text{ and } C_I) = 0,5$.
- Choose suitable automat circuit breaker values (used for steps) for capacitors.
- Monophasic connection is only suitable to use for balanced three phase systems. Otherwise compensation will not be right.

Technical Specification

- Working Voltage.....: 160-260V AC
- Working Frequency.....: 50/60 Hz.
- Working Power.....: <6VA
- Working Temperature...: -5°C - +55°C
- Current Range.....: 300mA-5.5A
- Panel Hole Size.....: 139mm x 139mm
- Display.....: 3xDisplay , led
- Connection Diagrams.: Terminal Connection
- Step Number.....: 7,12
- Weight.....: 0,900Kg.
- Contact.....: 3A 250V AC
- Working Altitude.....: <2000m
- Cable Diameter.....: 2,5mm²

Dimensions for RGM-07E/RGM-12E

