

General

RGM-07E and RGM-12E reactive power controllers are designed to balance the reactive (inductive) power of loads for monophase 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.

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.

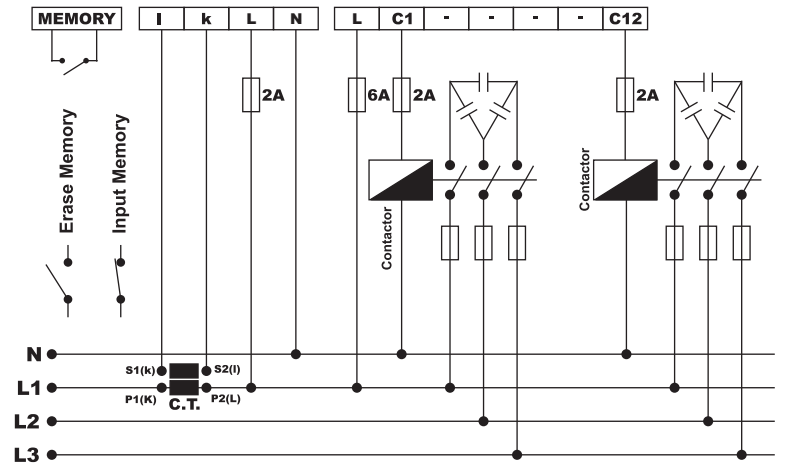
When ever device is energized it makes the CT test by activating and de-activating the steps. Please make shortcut the device for to memorize the infos. Otherwise everytime you energize the device , it will re-start the test .

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 (KI and CI)=0,5.
- Choose suitable automat circuit breaker values (used for steps) for capacitors.
- Monophase connection is only suitable to use for balanced three phase systems. Otherwise compensation will not be right.



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



Dimensions for RGM-07E/RGM-12E

Technical Specifications:

- Operating Voltage(Un)...: 160V - 260V AC
- Operating Frequency.....: 50 Hz.
- Operating Power.....: <10VA
- Operating Temperature..: -20°C.....+55°C
- Current Range.....: 100mA - 5,5A
- Display.....: 3x20mm display and leds
- Contact.....: 5A/250V AC (Resistive Load)
- Step Number.....: 7, 12
- Connection Type.....: Terminal connection
- Panel Hole Sizes.....: 139mm x 139mm
- Mounting.....: Panel front mounted
- Weight.....: <0,9kg
- Operating Altitude.....: <2000meter
- Cable Diameter.....: 1,5mm²

