



CG504EMU Installation guide

Ratings

Power supply: Provided external AC adaptor
Input AC 220V, 50Hz
Output: DC5V, 2.5A

Before getting started



WARNING! The product must be installed by a qualified electrician in accordance with all applicable regulations and building codes. Improper wiring can result in personal injury or damage to control units or other equipment. Always turn off circuit breaker or remove main fuse from power line before doing any work. To avoid overheating and possible damage to equipment.



WARNING! Install in accordance with all national and local electrical codes.



IMPORTANT! Citygrow® is not liable for any damage incurred with the misuse of this product.



IMPORTANT! Pre-setup can only be done by a professional worker or manufacturer agent.

Parts description



Various type of CT for selection



CG504EMU Energy Manager

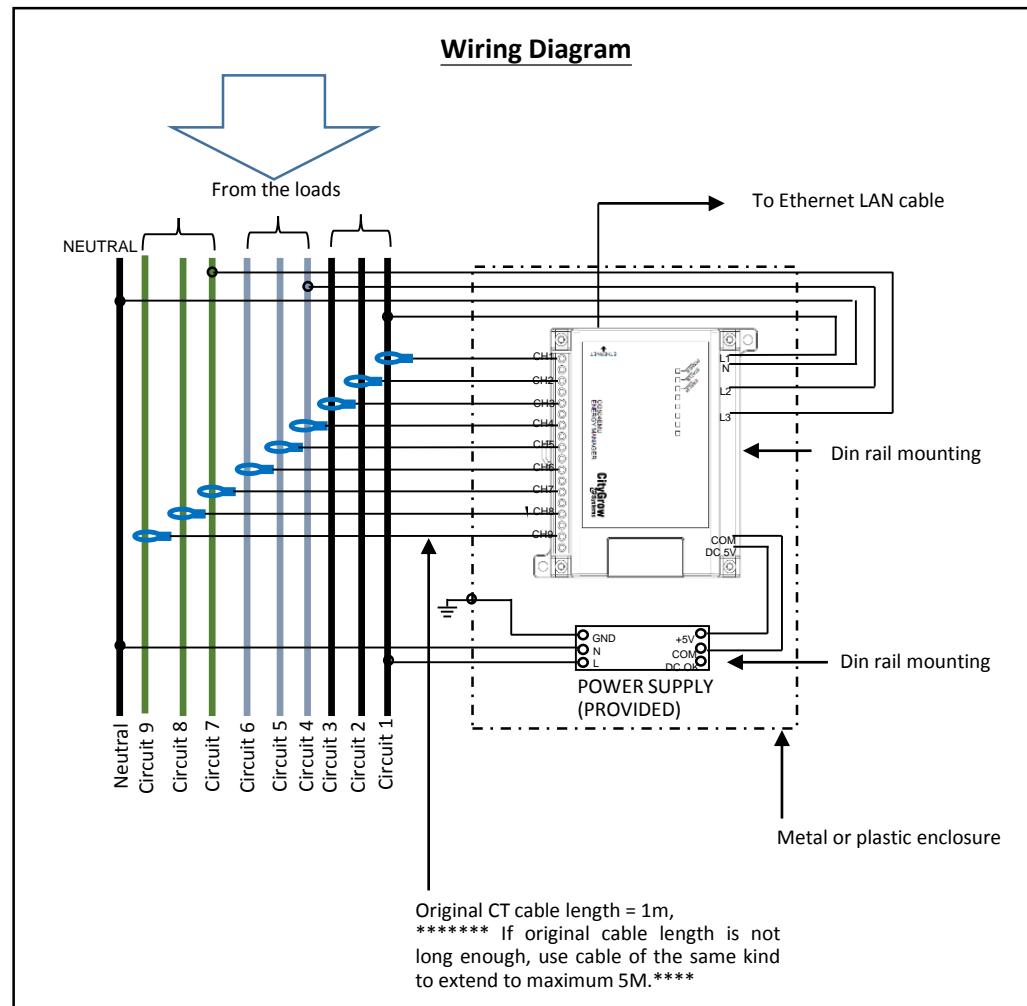


Din rail power supply

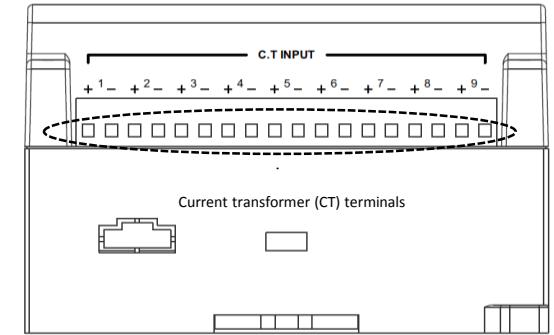
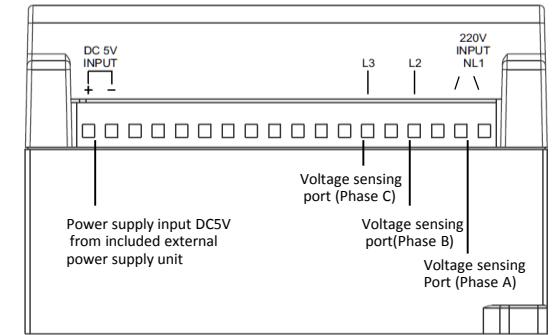
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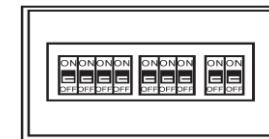


Connection terminals



Installation instruction

STEP 1: IMPORTANT! Turn off main power at the main switch board.



STEP 2: Select a location nearby the MCB and mount an enclosure box for installation of the Energy Manager Unit(EMU).

STEP 3: Install the EMU and the provided external power supply units into the enclosure box.

STEP 4: Connect the power supply cables as indicated in the wiring diagram.

STEP 5: Clamp the CTs onto the desired cables and connect the CT cable pair to the respective CT terminals of the EMU.

STEP 6: Connect the Live, Neutral wires from the MCB to the EMU and the power supply unit according to the wiring diagram.

STEP 7: Connect the LAN cable to the EMU, make sure the LAN is already connected to the internet !!

STEP 8: Power on the MCB

STEP 9: The green Power indicator of the EMU will be blinking.
STEP 10: Wait about 1 minute for the EMU to connect to the cloud server and check the registration.

STEP 11: If step 10 is success, the ember status indicator will be ON.

STEP 12: Then, you can use any PC and use the internet browser to visit the cloud server website and login.

STEP 13: Inside the cloud server user interface, you will see the energy consumption data from CH1 to CH9, for each channel (CH) please input the corresponding current transformer type you have used, circuit name, voltage phase A/B/C, and input the calibration. Then you can go through the cloud server for each data reports.

Installation Example

