

USER MANUAL
Module AMI of I210+C

Version History

Revisión	Date	Author	Description
1.0	2022-10-24	André Cedeño	Initial.
2.0	2023-02-16	André Cedeño	Steps: Installation Instruction. Meter exploded view.
3.0	2024-08-01	André Cedeño	FCC Warning

About the Document

Title:	User Manual I210+C
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FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Information

The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter.

Installation Notes

- Use the appropriate equipment for electronics manipulation.
- Avoid electrostatic discharges to avoid damages to the devices.

IMPORTANT: Make sure the socket base has a Vrms voltage **less than 240 Vrms**.

WARNING: Make sure the meter is turned off before any kind of manipulation with it.

The smart meter I210+C is a replacement designed to be adapted to the i210 + c standard, which has the socket to be inserted into various types of bases. To install the smart meter i210+c module, it is necessary to open the cover of the meter and insert the AMI module. The AMI module has 2 indicator leds, one green and one blue.

Note The green led will turn on as soon

as the ami module is energized, indicating that the supercap is charging. Accordingly, it will blink slower.



Note When the cellular module is turned on, the blue LED will light up and stay on, when it is attached to a cellular network, this LED will begin to blink.



Verifying the correct operation of the smart meter i210 +C, record the necessary information and read the digital register, to complete the installation

Installation Instructions

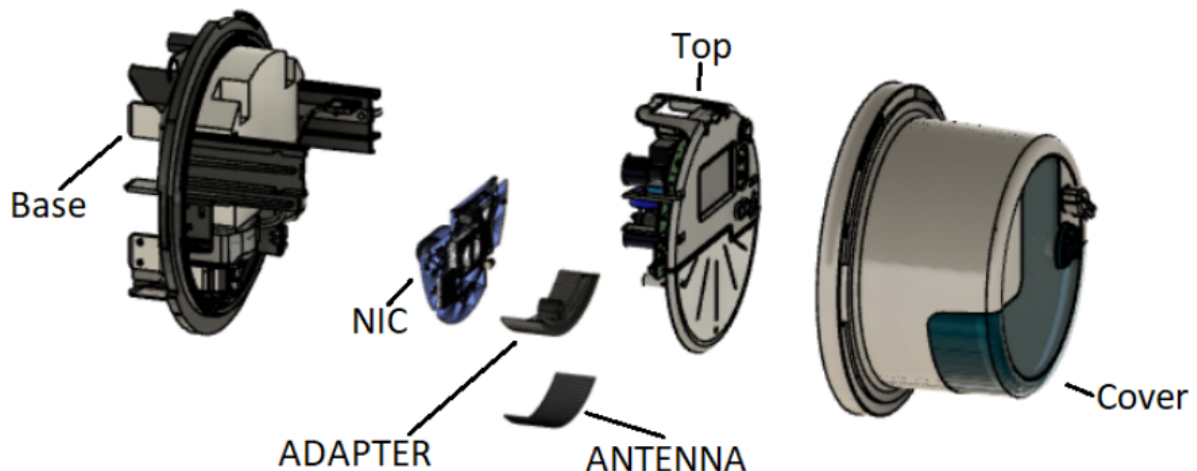
Note On the front of the meter, check the information and identification table of the meter, confirming the type, voltage and form of connection are compatible with the installation.

To install the smart meter i210+c module, it is necessary to open the cover of the meter and insert the AMI module, Following the next steps:

1. Align AMI main module with AMI option module and assemble.
2. Install antenna to antenna mount.
3. Connect the cable from the antenna to the AMI module.
4. Align the AMI module connector into a meter header and press until the AMI module is fully seated.

WARNING: Excessive pressure on the PCB may cause the component to break.

5. Attach mounting screws.
6. Orient the clear window of the cover towards the 6 o'clock position and assemble the cover to the base by aligning three clips into recesses in base.
7. Turn the cover clockwise until it locks into place.

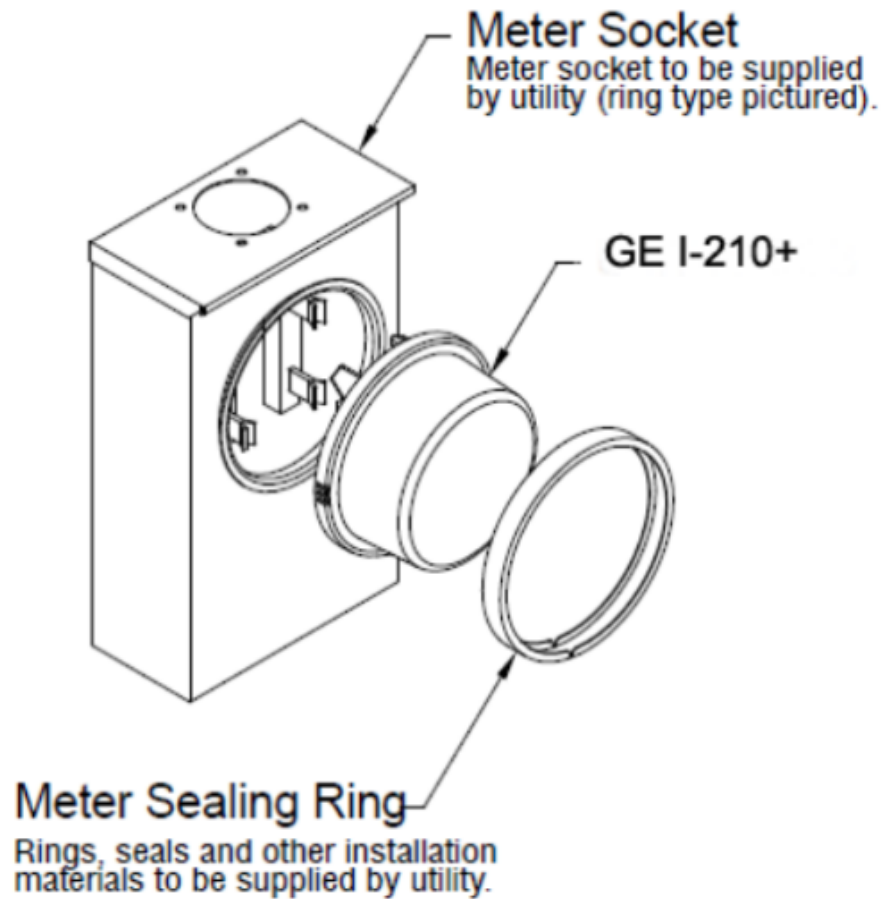


After having installed the AMI I210+C module, it will begin to collect the information where it will obtain the information of the meter as identification serial number and the first readings with date and time.



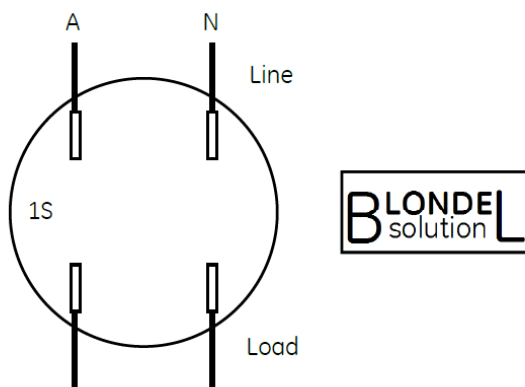
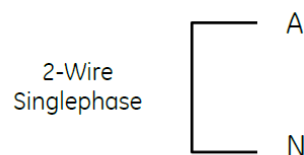
In these instructions they consider a correct sending of data together with the correct configuration of time and date.

Below are several diagrams, find the one that corresponds to the meter you are installing, and verify the wiring diagram is correct and matches the wiring of the meter socket.

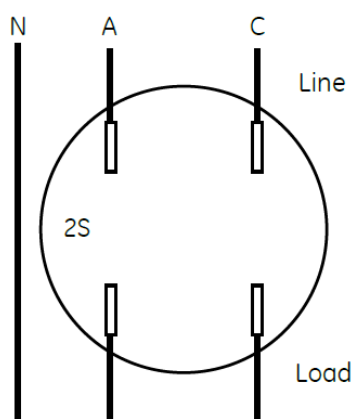
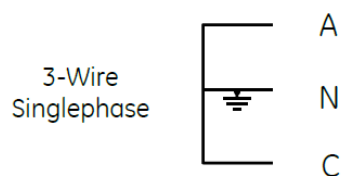


Supported Field Installations

Form 1S

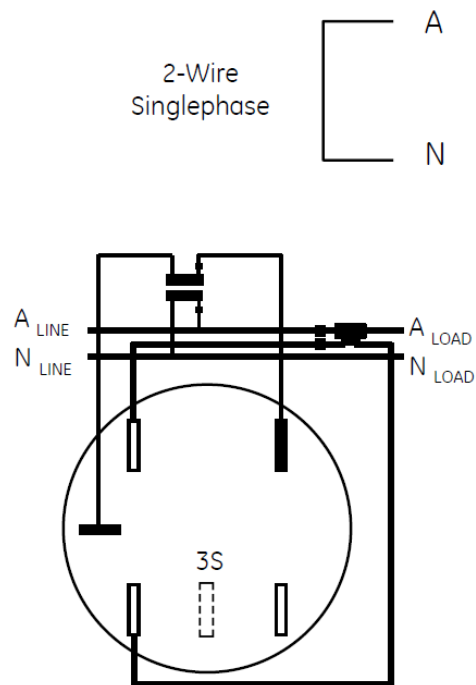


Form 2S

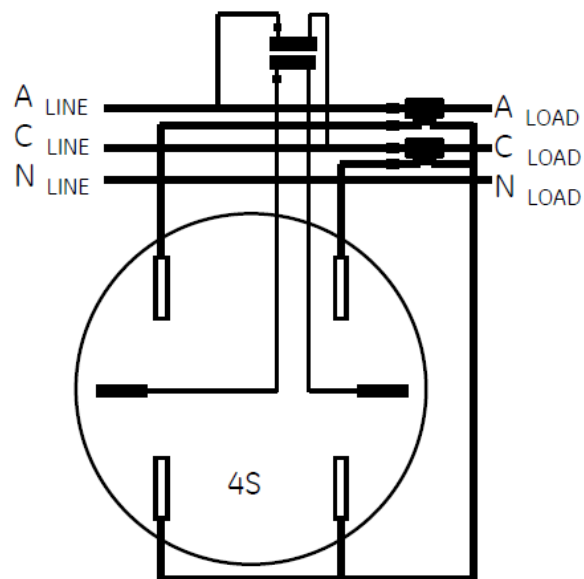


Accuracy is based on assumptions which, if not fulfilled, may result in systematic errors unrelated to meter calibration.

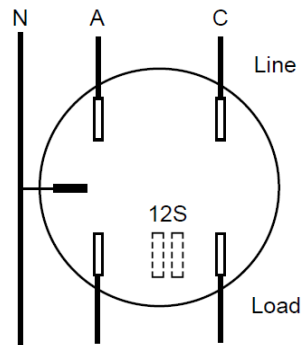
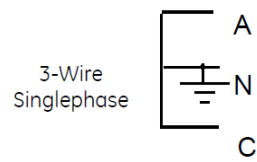
Form 3S



Form 4S

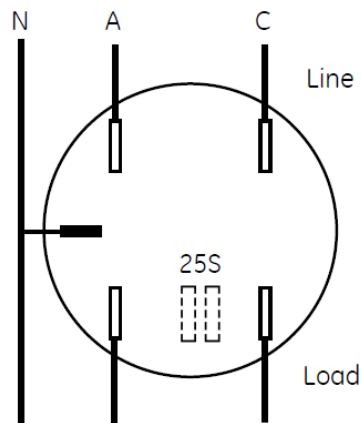
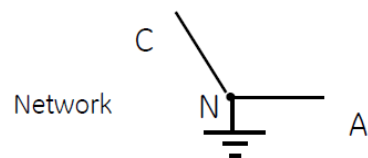


Form 12S



BLONDEL
solution L

Forem 25S



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Support

In the case of requiring technical assistance or any type of contact for reasons such as technical questions, doubts or speaking to the easymetering support staff, there are the following channels to contact us.

Easymetering Web

Easymetering s. a. It has a web portal where you can find the latest products and services offered and a message section to send your questions or suggestions.

<http://www.easymetering.com/>

Technical Support

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