

Installation Guide

Part Code: CT Kit 2.0

Box Contents:

- 1x RCD Circuit Board
- 1x Large CT
- 1x Cable Tie
- 8x Rubber Washers

Safety Information

WARNING ⚠️

ELECTRIC SHOCK

Replacement of the cover involves opening the zappi enclosure. Therefore, this should only be carried out by a suitably qualified, competent person to make sure that the work is carried out safely.

The supply to the zappi must be isolated before the cover is removed.

Compatibility

These instructions are only applicable to single-phase zappi 2.0 units. If the zappi is a 3-phase unit, please contact myenergi Tech Support.

Installation

1. Isolate the supply to the zappi.

2. Unclip the front fascia and leave to one side.

3. Undo the eight screws holding the main enclosure cover to the body, and carefully pull the cover forwards.

Ensure to keep all screws in a safe place to use again later.

Before carrying out the next steps, it would be useful to take note of the internal cable routing.

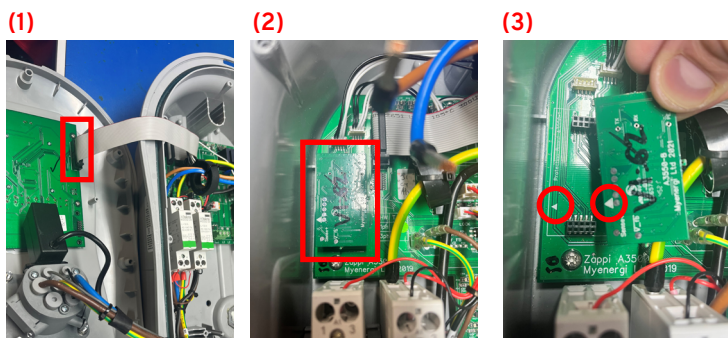
4. Carefully remove the ribbon cable (1) from CPU board.

- If it's a tethered unit, remove the cable and set the front cover down gently, taking care not to scratch it.
- If it's an untethered unit, remove the ribbon cable and allow the front cover to hang whilst you carry out the work.

5. In the top left-hand corner of the main board, you will see the RCD circuit board (2). Carefully, pull this away from the board. Once detached, keep to the side as we may need to recover this from you.

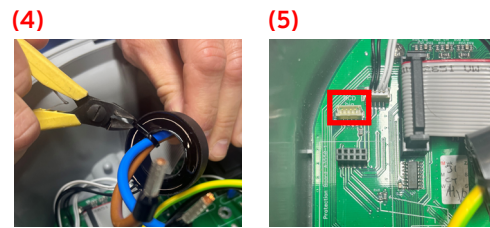
6. Holding the new RCD board by its edges, align the white arrow on the main board with the white arrow on the RCD board (3). Then, ensure all the legs are lined up and push the board into position.

IF NEW RCD BOARD IS NOT ALIGNED CORRECTLY, THIS WILL DAMAGE THE ZAPPI.

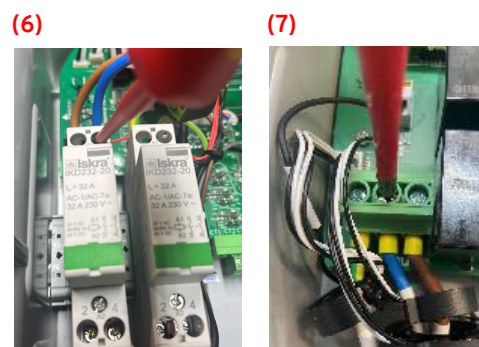


7. Locate the main CT, which is around the live and neutral wires, and cut the cable tie securing it (4).

8. The CT has 4 wires (2 black, 2 white), these are plugged into a small connector on the main board, labelled "RCD BIG" (5). Unplug this connector.



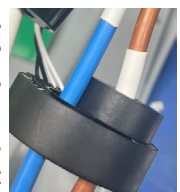
9. Use a screwdriver to release the live and neutral (brown and blue) conductors from either the white contactor (6) or the green terminal block (7), depending on which variation of zappi it is.



10. Pull the live and neutral (brown and blue) conductors out of the contactor or terminal block. Then, slide the small CT off the brown cable. Place safely to one side, as you'll need to use it later.

11. Remove the main, larger, CT from the brown and blue cables and place out of the way. You will be replacing this with the new one so don't get the old and new mixed up.

12. Fit the new CT over the brown and blue cables, ensuring the shiny side is facing towards the contactor/terminal block. Then, refit the small CT, you removed earlier, back over the brown cable.



13. Insert the connector of the new CT into its respective connection point on the main circuit board, labelled "Big RCD". The connector will only fit in one way.

14. Place the brown and blue conductors fully back into the contactor or terminal block, ensuring brown goes into the terminal marked 'L' and blue goes into the terminal marked 'N'. Then, using a torque screwdriver, tighten to secure the cables to a value of 1.2Nm.

15. Wrap the supplied cable tie around the CTs and cables to secure and prevent from sliding down the cable.

16. Double check, conductors are all secure in the contactor/terminal block and the RCD is fitted correctly, then refit the ribbon cable by aligning the connector and pressing down.

17. Ensure O-rings (rubber washers, supplied) are firmly placed into the channels and secure the cover to the unit using the 8 screws that were removed earlier (Torque setting = 1.2Nm).

18. Clip the fascia, you removed earlier, back onto the front cover.

19. Power the zappi up via the circuit breaker.



Upon start up, if zappi displays the message, “RCD Board test...”, contact myenergi Technical Support.

Commissioning

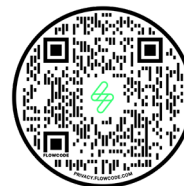
- When the supply to zappi has been restored, carry out full commissioning checks as instructed in the full zappi Installation Manual, which is located in the Download Centre of the myenergi website and can be accessed by scanning the QR code below:



- The installer is advised to perform a full EVSE installation test on the unit, including RCD test to ensure all components have been assembled and connected correctly.
- Before leaving site, you must always check the customer’s EV will charge.

Technical Support

If you experience any issues, during or post installation, please contact our technical support team by scanning the QR Code below:



Please contact us directly for the quickest solution.

