

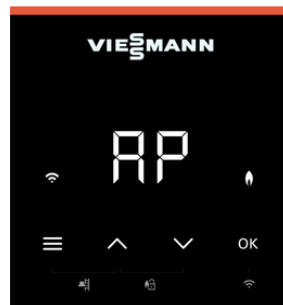


VITODENS 100-W COMMISSIONING GUIDE

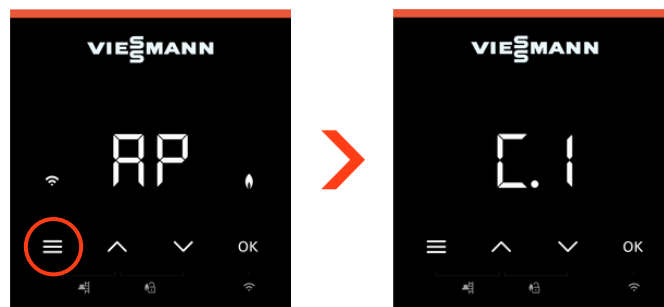


Pre-commissioning steps:

1. Install the boiler and connect all services.
2. Switch on the boiler electrical connection and wait for the boiler to power on.
3. Once the boiler is on, the display will show "AP", which stands for "Access Point":



4. To begin commissioning, hold the menu 3-line button for 4 seconds until "C.1" appears:



C.1: Filling Assistant

1. From "C.1", press ok to adjust the program settings.
2. Using the up arrow, change from "OFF" to "ON", and press "OK".
3. This will engage the filling process, displaying current internal pressure measured in Bar.



4. During filling, ensure all manifolds, radiator panels and underfloor zones are open to allow for the entire system to fill.
5. Once the system pressure reaches 1.2 to 1.5 Bar, close the filling valve and allow 2 minutes for the pressure to stabilise.
6. To exit the filling assistant, hold the menu 3-line button for 3 seconds.

C.2: Venting Assistant

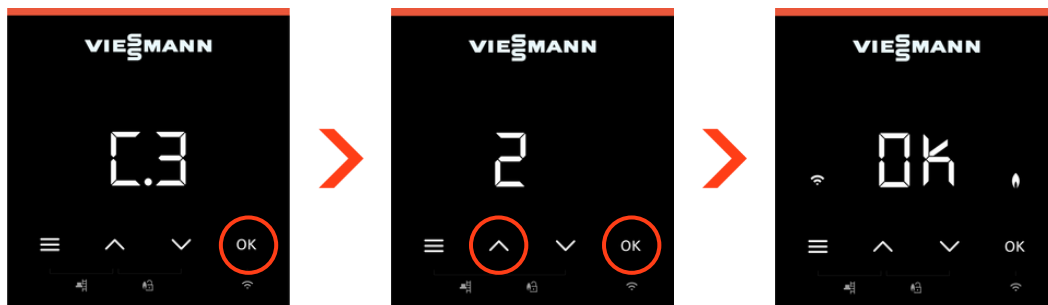
1. From "C.2", press ok to adjust the program settings.
2. Using the up arrow, change from "OFF" to "ON", and press "OK".
3. This will engage the venting process, displaying current internal pressure measured in Bar.



4. During venting, monitor the system pressure. A slight drop is common, but if the pressure drops more than 0.5 Bar, use the filling valve to top up the system.
5. To exit the venting assistant, hold the menu 3-line button for 3 seconds.

C.3: Gas Type

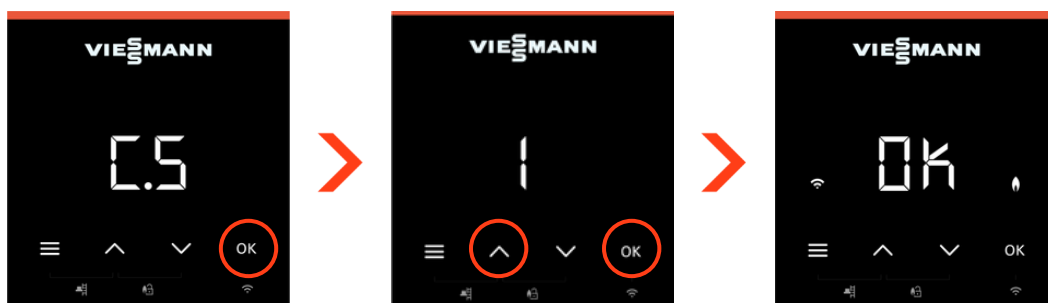
1. From "C.3", press ok to adjust the program settings.
2. Using the up arrow, select "2" or "3" for the type of gas being used:
 - a. 2: Natural gas
 - b. 3: LPG
3. Press "OK" to confirm selection



C.4: Unavailable

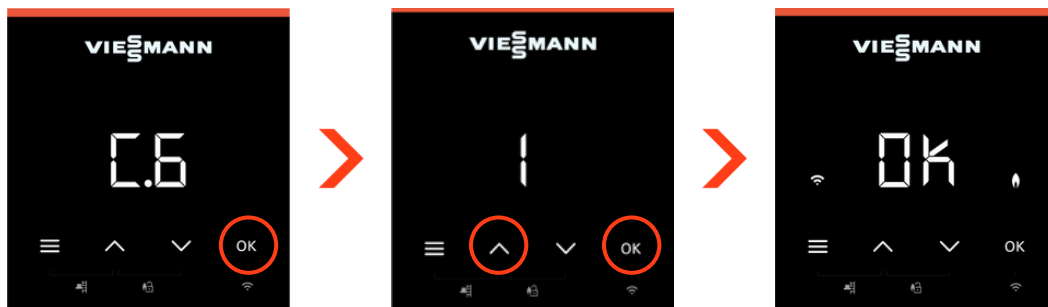
C.5: Flue System

1. From "C.5", press ok to adjust the program settings.
2. Using the up arrow, select "1" to "6" for the type of flue being used:
 - a. 1: Open flue 60mm, rigid.
 - b. 2: Room sealed 60/100mm, rigid.
 - c. 3: Open flue 80mm, rigid.
 - d. 4: Room sealed 80/125mm, rigid.
 - e. 5: Flexible 60mm, max. 10m.
 - f. 6: Flexible 80mm, max. 20m.
3. Press "OK" to confirm selection.



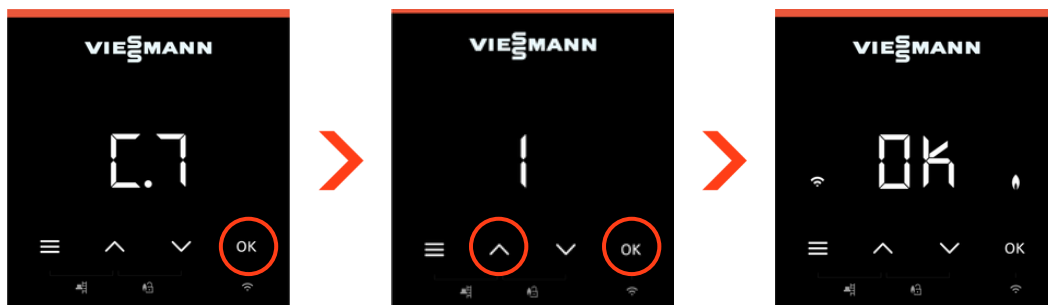
C.6: Flue Length

1. From "C.6", press ok to adjust the program settings.
2. Using the up arrow, increase by 1 for every meter length of flue. For each bend, add an additional 1 meter. Round up as needed. (E.g. 1.4m of flue with 1 bend = "3").
3. Press "OK" to confirm selection.



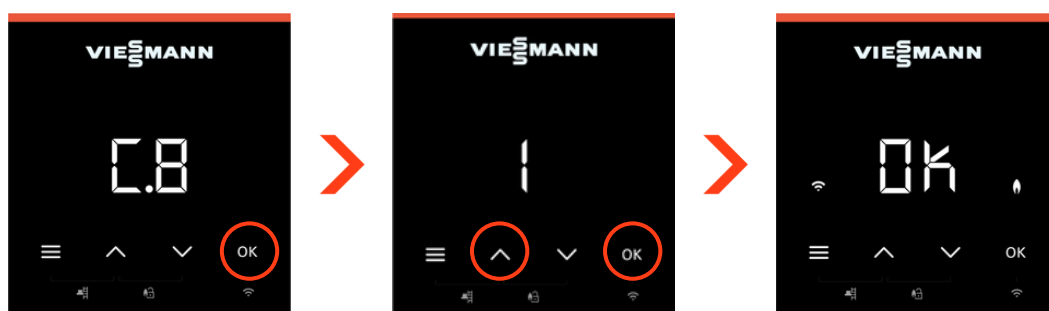
C.7: Operating Mode

1. From "C.7", press ok to adjust the program settings.
2. Using the up arrow, select "1" to "16" for the mode being used:
 - a. 1: Constant operation with time program.
 - b. 4: Weather-compensated.
 - c. 13: Constant operation with optional room thermostat.
 - d. 14: OpenTherm.
 - e. 15: Individual room control.
 - f. 16: Individual room control with modulation.
3. Press "OK" to confirm selection.



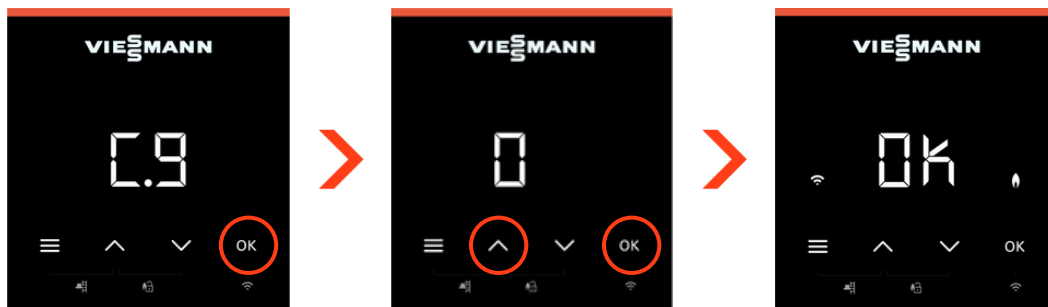
C.8: Hydraulic Scheme

1. From "C.8", press ok to adjust the program settings.
2. Using the up arrow, select from "1" to "10" for the system installation:
 - a. 1: 1 direct heating circuit without low loss header.
 - b. 2: 1 direct heating circuit with low loss header.
 - c. 3: 1 direct heating circuit without low loss header + DHW cylinder.
 - d. 4: 1 direct heating circuit with low loss header + DHW cylinder.
 - e. 5: 1 direct heating circuit & 1 mixed heating circuit and low loss header + DHW cylinder.
 - f. 6: 1 direct heating circuit with low loss header + DHW cylinder + solar DHW cylinder.
 - g. 7: 1 direct heating circuit & 1 mixed heating circuit and low loss header + DHW cylinder + solar DHW cylinder.
 - h. 8: 1 direct heating circuit & 1 mixed heating circuit and low loss header.
 - i. 9: 1 mixed heating circuit and low loss header + DHW cylinder.
 - j. 10: 1 direct heating circuit without low loss header + DHW cylinder + solar DHW cylinder.
3. Press "OK" to confirm selection.



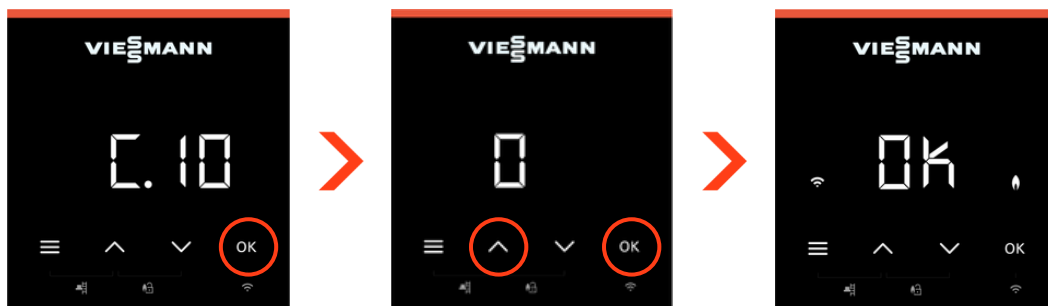
C.9: External Heating Circuit

1. From "C.9", press ok to adjust the program settings.
2. Using the up arrow, select from "0" to "3" for external heating circuit settings:
 - a. 0: No external heating circuit.
 - b. 1: External heating circuit HC-1
 - c. 2: External heating circuit HC-2
 - d. 3: External heating circuit HC-1 & HC-2 (EM-EA1 extension required).
3. Press "OK" to confirm selection.



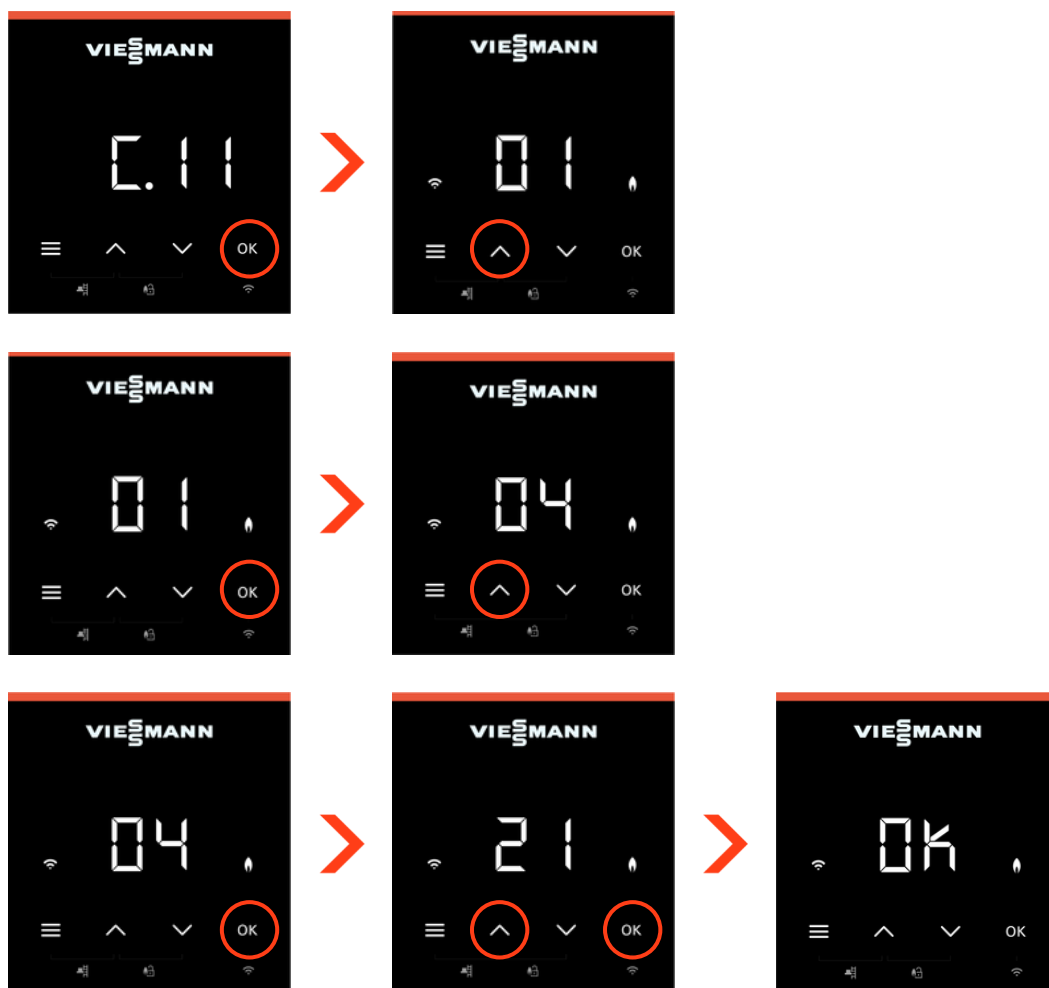
C.10: EM-EA1 Extension Function

1. From "C.10", press ok to adjust the program settings.
 - a. Note: If "C.9" is set to "3", "C.10" must be set to "0"
2. Using the up arrow, select from "0" to "19" for the extension function:
 - a. 0: No function.
 - b. 4: External set flow temperature 0-10V.
 - c. 5: External default output.
 - d. 8: 230V fault message input and output.
 - e. 10: External extractor (E.g. cooker rangehood).
 - f. 11: Operating mode changeover.
 - g. 14: 24V fault message input and system blocking.
 - h. 17: 230V fault message input and system blocking.
 - i. 18: External demand (digital).
 - j. 19: External blocking.
3. Press "OK" to confirm selection.



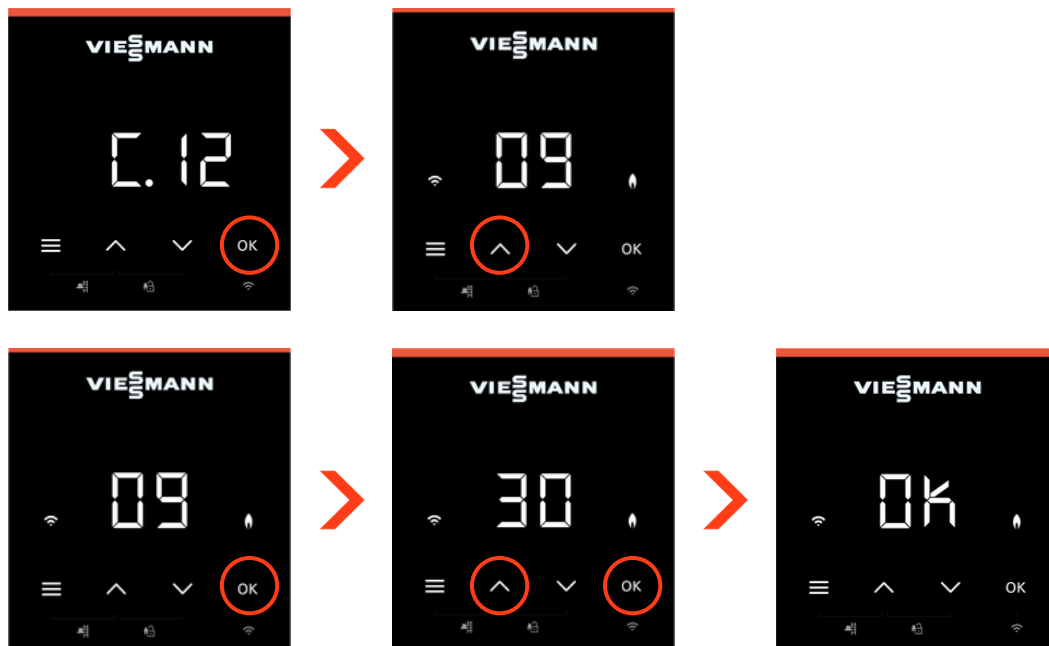
C.11: Date Set

1. From "C.11", press ok to adjust the program settings.
2. Using the up and down arrows, select the current date.
3. Press "OK" to continue.
4. Using the up and down arrows, select the current month.
5. Press "OK" to continue.
6. Using the up and down arrows, select the current year.
7. Press "OK" to confirm.



C.12: Time Set

1. From "C.12", press ok to adjust the program settings.
2. Using the up and down arrows, select the current hour.
3. Press "OK" to continue.
4. Using the up and down arrows, select the current minute.
5. Press "OK" to confirm.



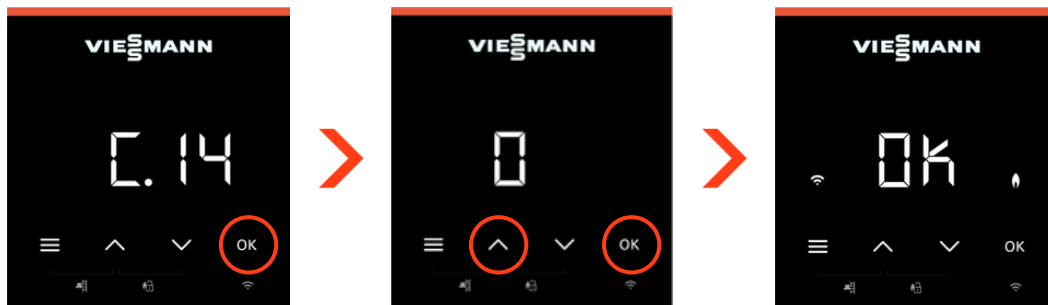
C.13: Automatic Winter/Summer Time

1. From "C.13", press ok to adjust the program settings.
2. Using the up arrow, change from "OFF" to "ON", and press "OK".



C.14: Plug 96 Function

1. From "C.14", press ok to adjust the program settings.
2. Using the up arrow, select "1" to "5" for the mode being used:
 - a. 0: No function.
 - b. 2: External demand DHW circulation pump.
 - c. 4: External demand.
 - d. 5: External blocking.
3. Press "OK" to confirm selection.



C.15: Remote Control

1. From "C.15", press ok to adjust the program settings.
2. Using the up and down arrows, select "OFF" or "ON":
 - a. OFF: Not installed.
 - b. ON: Vitotrol 200-E installed
3. Press "OK" to confirm selection.

