

Operating instructions

Weishaupt Thermo Condens WTC 45-A WTC 60-A

Address of installer _____

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Print-No. 83159302, December 2006
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For your safety



Gas inhalation can lead to **suffocation** or **poisoning**, depending on the type and quantity of gas inhaled. There is a risk of **explosion** if an ignition source is present.

Safety measures when gas can be smelled:

1. Avoid open flames and spark generation (e.g. switching lights and electric units on and off, including the use of mobile phones).
2. Close gas shut off valve.
3. Open windows and doors.
4. Warn all occupants and evacuate the building.
5. Inform heating company/installer and gas supplier from outside of the building.

Risks of poisoning!

Blocked air inlets can lead to the formation of toxic Carbon Monoxide. Keep air inlets/outlets in the installation area open.

When flue gas can be smelled:

1. Turn off the equipment.
2. Open doors and windows.
3. Alert the heating company/installer.

Installation area

Unsuitable ambient conditions may damage the equipment. For safe, reliable operation ensure that

- the installation area is well ventilated and dust free for room air dependant operation,
- the combustion air does not contains Halogen Hydrocarbons (such as in sprays, solvents, washing or cleaning products).

Working on the heating system

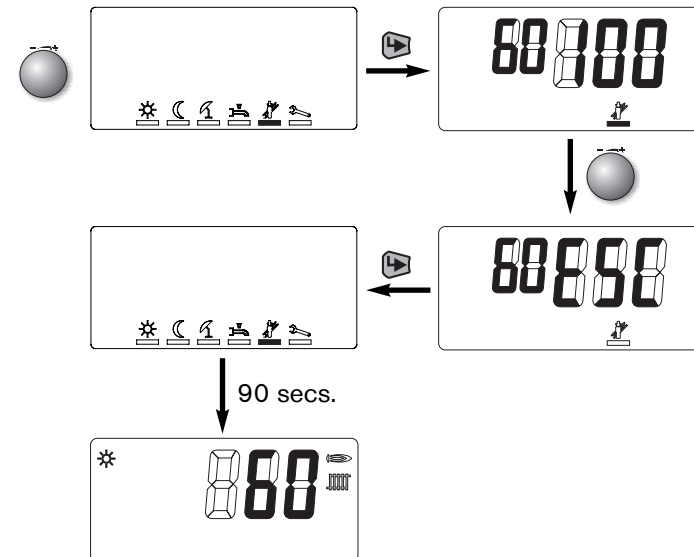
Improperly carried out work on the heating system can result in serious injury. Installation, commissioning, adjusting, servicing and repairs must only be carried out by qualified personnel.

Fuel

The condensing boiler may only be operated with the types of gases given on the name plate.

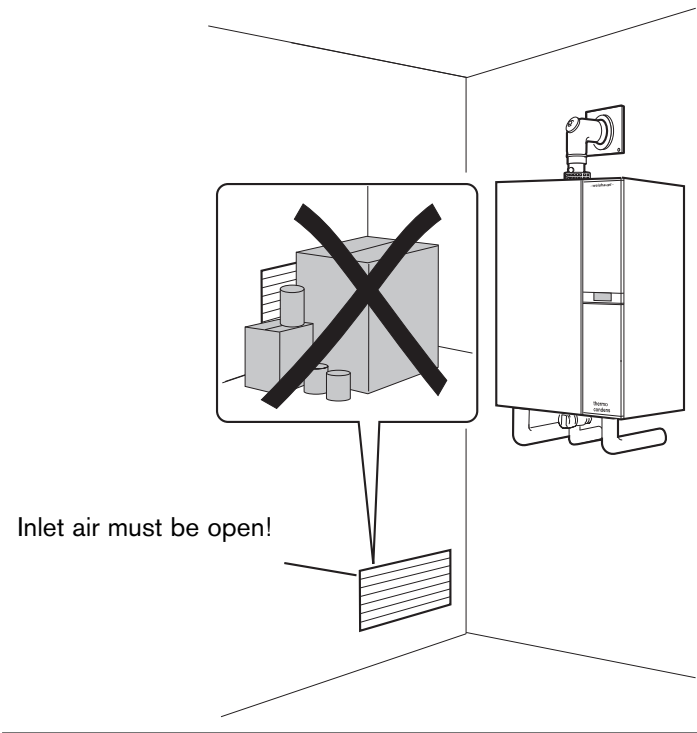
Chimney sweep function

- Activate the symbol list by turning the dial knob and set cursor to chimney sweep symbol.
- Press key to activate chimney sweep function.
- The function remains active for 15 minutes.
- The 3 larger numbers displayed show the current rating of the boiler.
- The 2 smaller numbers displayed show the current boiler temperature.
- To exit the chimney sweep functions turn dial knob until ESC is displayed and press key.
- After approximately 90 seconds, the standard display reappears.



Half-yearly inspection:

For room air dependent operation only!



Regular servicing saves energy and protects the environment

The complete heating system should be serviced **at least once a year** by a representative of the heating company/installer or other qualified engineer.

We recommend a Weishaupt service contract be taken out.



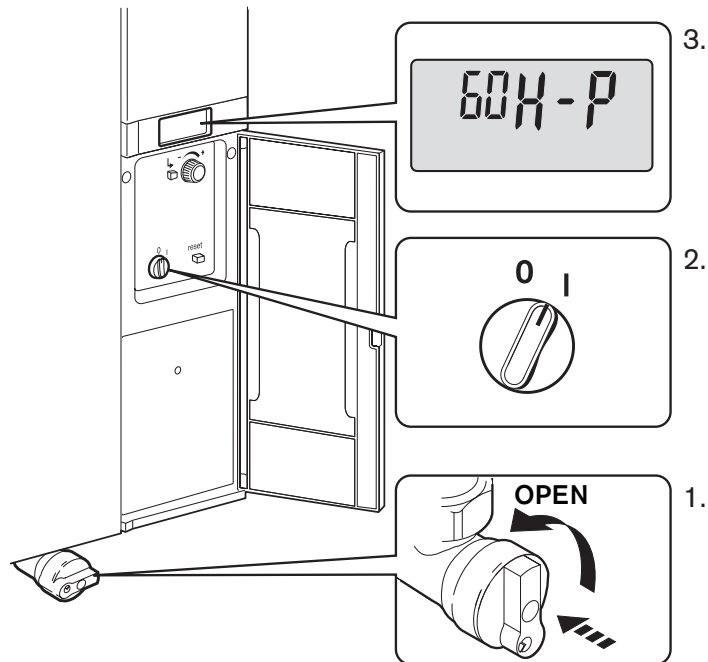
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Commissioning

1. Open gas shut off valve
2. Switch on boiler
3. The display illuminates

- ☐ Check system pressure (see control checks)
- ☐ If the boiler is used room air dependant, check air inlets



Top up heating water:



If measures for water treatment were taken when the heating system was initially filled with water, these measures will have to be repeated when topping up. Speak to your heating engineer.

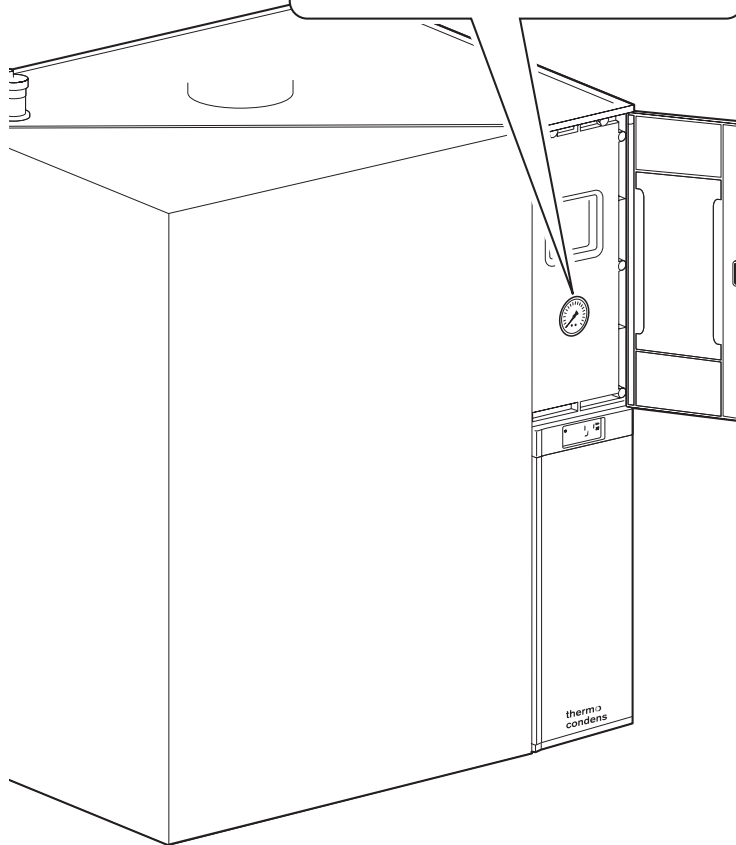
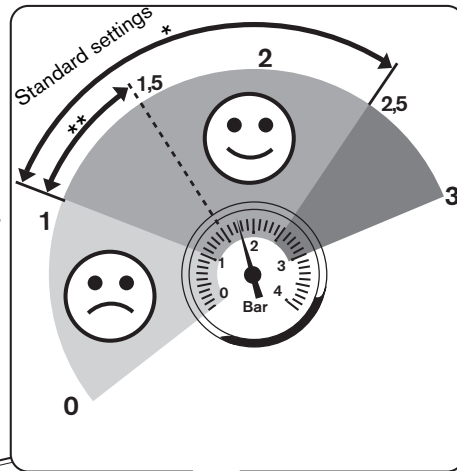
- Ask your heating engineer to show you how to correctly top up the system and how to operate the fittings.
- If the indicator on the pressure gauge points to below 1 bar when the system is cold, top it up with water until the indicator points to approx. 1.5 bar.
- Do not exceed the max. pressure of 2.5 bar.

Half-yearly inspection:

Is system pressure correct?

- * System warm
- ** System cold

Depending on the type of system, other settings may be required. Please discuss with your heating engineer.



Boiler shutdown

Your boiler is switched on and off **automatically** by the boiler controls depending on heat demand.

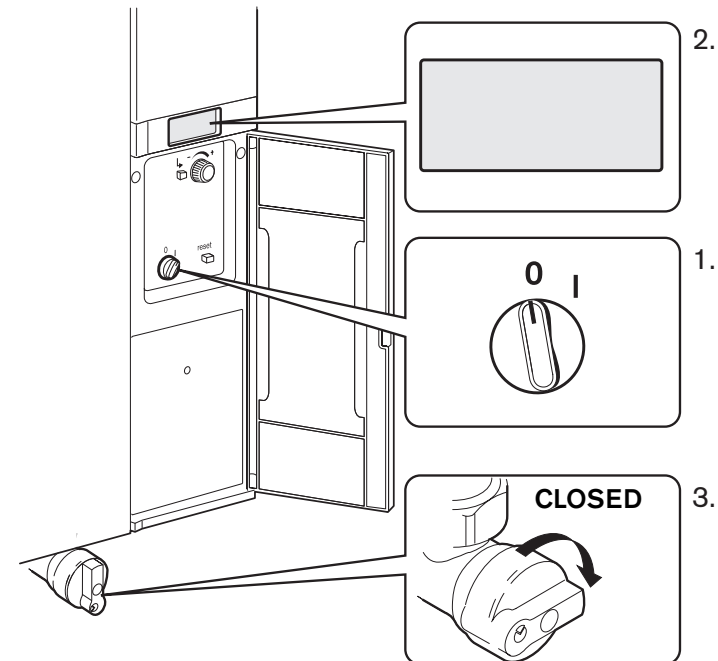
The heating system must be switched off at the unit master switch for the following:

- for boiler cleaning by qualified engineer
- for venting
- for heating water refilling
- for chimney cleaning and maintenance

1. Switch off the condensing boiler.
2. Display illumination ceases.
3. Close gas shut off valve.



If the boiler is shut down for long period, the boiler water should be drained off to prevent frost damage.



What to do should problems occur

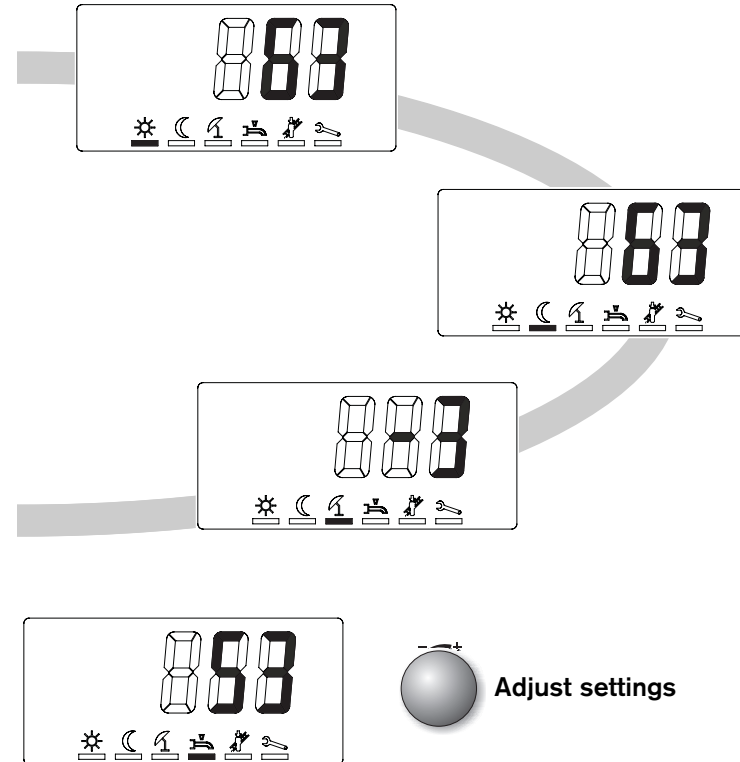
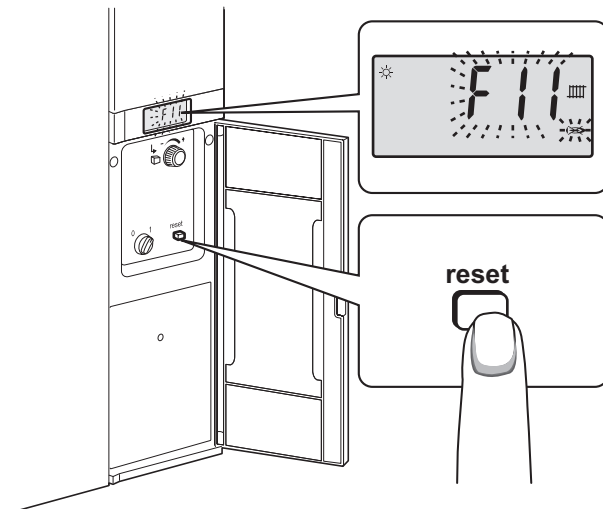


To avoid damage to the system, do not reset the boiler more than twice.
If the boiler locks out for a third time:

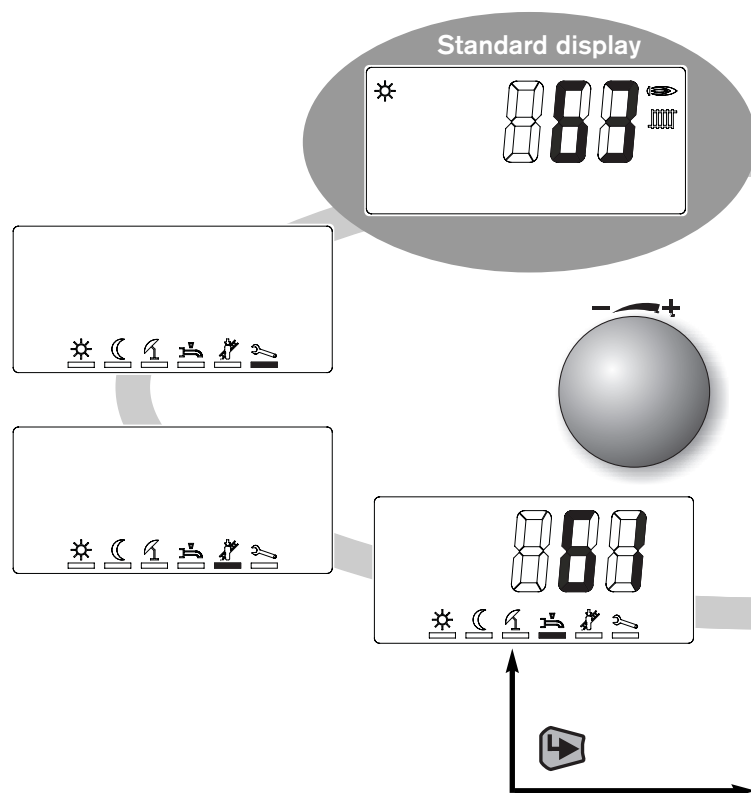
1. Note down message displayed
2. Request a service




Possible fault displays:

Display	Description	Action required
F11	Boiler temperature $\geq 105^{\circ}\text{C}$	<ul style="list-style-type: none"> • Top up boiler water • No boiler water flow
F12	Boiler temperature $\geq 95^{\circ}\text{C}$	<ul style="list-style-type: none"> • Top up boiler water • No boiler water flow
F13	Flue gas temperature $\geq 120^{\circ}\text{C}$	<ul style="list-style-type: none"> • Heat exchanger heavily soiled
F14	Supply temperature gradient too high	<ul style="list-style-type: none"> • No boiler water flow • System pressure too low
F15	Temp. difference of boiler temp. and flue gas temp. too high	<ul style="list-style-type: none"> • No boiler water flow
F16	Flue gas temperature $\geq 115^{\circ}\text{C}$	<ul style="list-style-type: none"> • Heat exchanger heavily soiled



	Display/set up 	Range	Comment
	S = Summer operation W = Winter operation	S W	No external sensor connected to B1
	Current external temperature / Change-over temperature Summer/Winter	10°C – 30°C	External sensor connected to B1
	Hot water setpoint (--- = HW operation off)	30°C – 65°C	Hot water connected to B3
	Chimney sweep function multistage ratings setting	minimum rating – maximum rating	Installation & operating instructions f. heat. eng. Ch. 5.5.2 and 10.3
	CODE input Entry to heating engineer level	0 – 254	Installation & operating instructions f. heat. eng. Ch. 6.3.1



	Display/set up 	Range	Comments
	Normal temperature set point (--- = standby)	Night setback temp. – Max. supply temp.	No external sensor connected to B1 Limit values adjustable with parameters P31, P32 heating engineer level
	Room temperature set point (--- = standby)	15°C – 35°C	External sensor connected to B1
	Night setback temp. set point (--- = standby)	8°C – Normal temp. set pt.	No external sensor connected to B1
	Night setback room temp. setpoint (--- = standby)	10°C – Room temp. setpoint	External sensor connected to B1

Operating the controller

All operating elements are available once the front flap has been opened.

Dial knob

This knob is used to change or adjust settings.

Right turn:

- settings are increased
- reference marks are moved to the right or down

Left turn:

- settings are lowered
- reference marks are moved to the left or up

Enter key

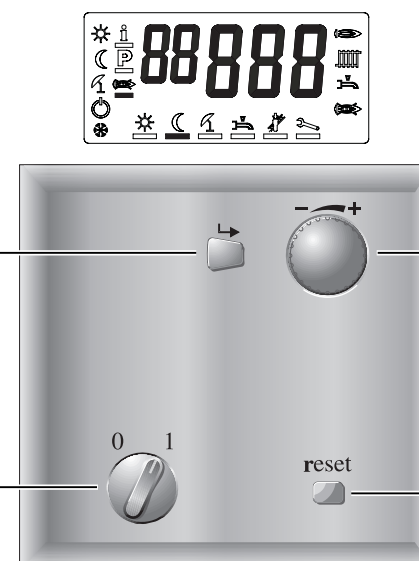
Pressing this key allows menu selecting and confirms entries made

Reset key

This key is used to reset a fault.

If this key is pressed when no fault is present, the system is restarted

On/Off switch

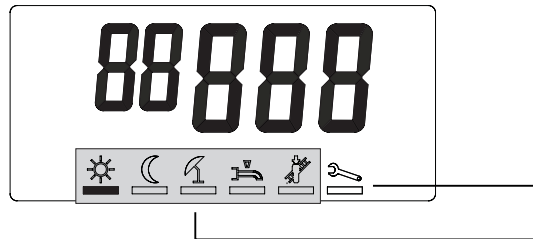


Operating level

Two operation levels are available.

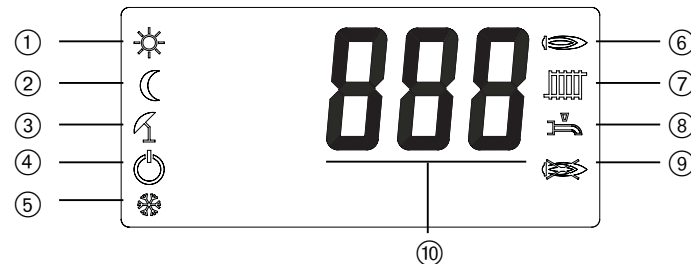
Level 1 can be directly accessed by the end-user. If a Remote Control Station is fitted, only the chimney sweep function can be called up in level 1.

Level 2 is only available to the heating engineer and is protected by an access code.



End-user level

Display



- | | |
|--|---|
| ① Normal temperature set point active | ⑥ Burner in operation (flame signal) |
| ② Night setback temperature set point active | ⑦ Heating On |
| ③ Summer operation On | ⑧ Hot water load active |
| ④ Boiler in standby | ⑨ Burner lockout; press reset key to restart |
| ⑤ Frost protection | ⑩ Supply temperature – or – if flashing fault codes |

Settings

Setting of set points and display of additional system values.

Setting procedure:

- Turn the knob to display the symbol list.
- Turn the knob further to select the desired symbol. The display mode appears when the cursor is moved to the right or left. This same mode also appears, if the enter key is not pressed for 20 seconds.
- By pressing the enter key, the selected symbol is activated and the value set flashes. Other symbols disappear from display.
- Settings can be modified by turning the knob.
- Press the enter key to confirm the setting and exit the selection. The symbol list reappears.

