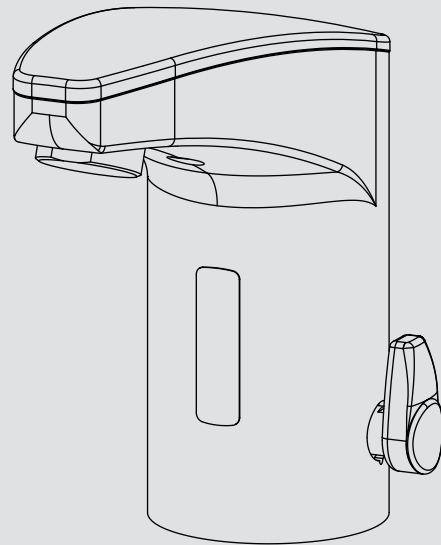


BEDIENUNG UND INSTALLATION OPERATION AND INSTALLATION UTILISATION ET INSTALLATION GEBRUIK EN INSTALLATIE

Sensor-Armatur für druckfeste (geschlossene) Warmwassergeräte | Sensor tap for pressurised (sealed unvented) DHW appliances | Robinetterie à capteur pour appareils de production ECS sous pression (en circuit fermé) | Sensorkraan voor drukvaste (gesloten) warmwatertoestellen

- » WSH 10
- » WSH 20



STIEBEL ELTRON

SPECIAL INFORMATION

OPERATION

1. General information _____ **14**

1.1 Safety instructions _____ 14

1.2 Other symbols in this documentation _____ 14

1.3 Units of measurement _____ 14

2. Safety _____ **14**

2.1 Intended use _____ 14

2.2 General safety instructions _____ 14

3. Product description _____ **15**

3.1 Function _____ 15

4. Settings _____ **15**

4.1 Setting the temperature _____ 15

4.2 Touch settings _____ 15

4.3 Standard settings _____ 16

4.4 Extended settings _____ 16

5. Troubleshooting _____ **18**

5.1 Recalibrating the sensor _____ 18

5.2 Replacing the battery in the WSH 20 sensor tap _____ 19

5.3 Supplement “Touch settings and programming” on the internet _____ 19

6. Cleaning, care and maintenance _____ **19**

INSTALLATION

7. Safety _____ **20**

7.1 General safety instructions _____ 20

7.2 Instructions, standards and regulations _____ 20

8. Product description _____ **20**

8.1 Standard delivery _____ 20

9. Preparation _____ **20**

9.1 Installation location _____ 20

10. Installation _____ **20**

11. Commissioning _____ **21**

12. Settings _____ **21**

12.1 Setting a fixed temperature _____ 21

12.2 Setting the hot water stop _____ 21

13. Troubleshooting _____ **22**

14. Maintenance _____ **22**

15. Specification _____ **22**

15.1 Dimensions and connections _____ 22

15.2 Data table _____ 22

GUARANTEE

ENVIRONMENT AND RECYCLING

SPECIAL INFORMATION

- The appliance may be used by children aged 8 and older and persons with reduced physical, sensory or mental capabilities or a lack of experience and know-how, provided that they are supervised or they have been instructed on how to use the appliance safely and have understood the potential risks. Children must never play with the appliance. Children must never clean the appliance or perform user maintenance unless they are supervised.
- The sensor tap can reach temperatures in excess of 60 °C. There is a risk of scalding at outlet temperatures in excess of 43 °C.
- Secure the sensor tap as described in chapter „Installation / Installation“.
- Observe the maximum permissible pressure (see chapter „Installation / Specification / Data table“).

OPERATION

1. General information

The chapters „Special information“ and „Operation“ are intended for both users and qualified contractors.

The chapter „Installation“ is intended for qualified contractors.



Note

Read these instructions carefully before using the appliance and retain them for future reference. Pass on the instructions to a new user if required.

1.1 Safety instructions

1.1.1 Structure of safety instructions



KEYWORD Type of risk

Here, possible consequences are listed that may result from failure to observe the safety instructions.

► Steps to prevent the risk are listed.

1.1.2 Symbols, type of risk

Symbol	Type of risk
	Injury
	Electrocution
	Burns (burns, scalding)

1.1.3 Keywords

KEYWORD	Meaning
DANGER	Failure to observe this information will result in serious injury or death.
WARNING	Failure to observe this information may result in serious injury or death.
CAUTION	Failure to observe this information may result in non-serious or minor injury.

1.2 Other symbols in this documentation



Note

General information is identified by the adjacent symbol.

► Read these texts carefully.

Symbol	Meaning
	Material losses (appliance damage, consequential losses and environmental pollution)
	Appliance disposal

► This symbol indicates that you have to do something. The action you need to take is described step by step.

1.3 Units of measurement



Note

All measurements are given in mm unless stated otherwise.

2. Safety

2.1 Intended use

The sensor tap is suitable for connection to pressurised (sealed unvented) DHW appliances.

Any other use beyond that described shall be deemed inappropriate. Observation of these instructions and of the instructions for any accessories used is also part of the correct use of this appliance.

2.2 General safety instructions



CAUTION Burns

During operation, the sensor tap can reach temperatures in excess of 60 °C.

There is a risk of scalding at outlet temperatures in excess of 43 °C.



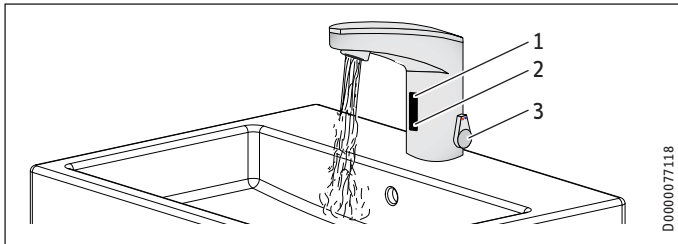
WARNING Injury

The appliance may be used by children over 8 years of age and persons with reduced physical, sensory or mental capabilities or a lack of experience and expertise, provided that they are supervised or they have been instructed on how to use the appliance safely and have understood the potential risks. Children must never play with the appliance. Children must never clean the appliance or perform user maintenance unless they are supervised.

3. Product description

Operation of the sensor tap is contactless. The water is turned on and off via a PCB with a proximity sensor. The PCB is supplied with power as follows:

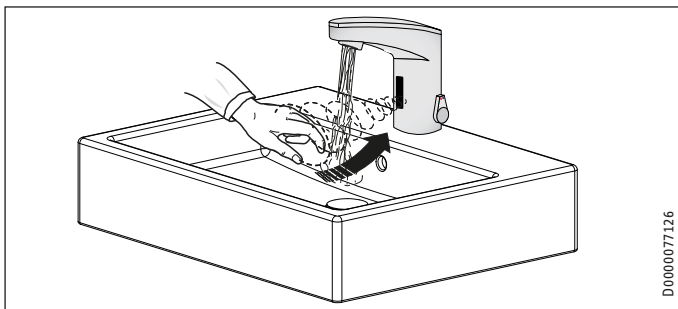
- WSH 10 via a power supply unit
- WSH 20 via a battery



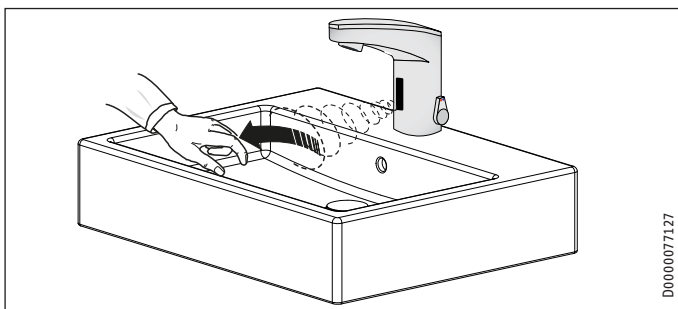
- 1 Sensor and LED
- 2 Touch area
- 3 Lever for temperature setting

3.1 Function

Water ON

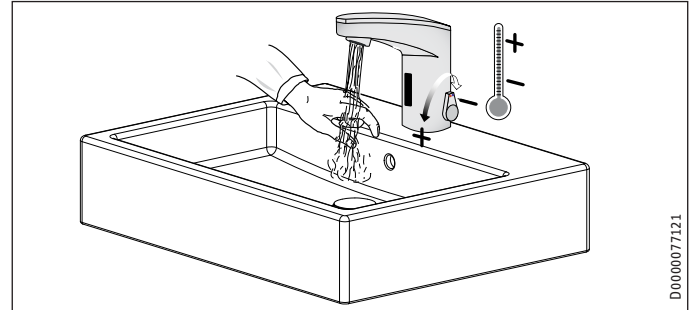


Water OFF



4. Settings

4.1 Setting the temperature



Your qualified contractor can set a fixed temperature or limit the setting range to prevent scalding.

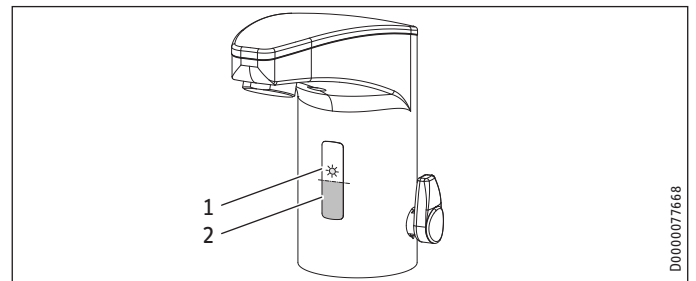
4.2 Touch settings

The following settings are made using your finger.

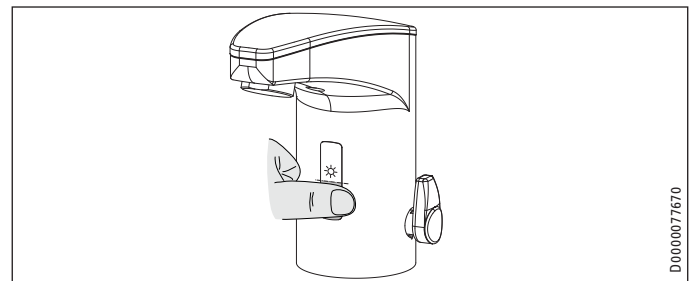


Note

- When making settings, do not place your hands or other objects within range of the sensor.
- The LED on the sensor will flash/light up during and/or after making the settings.
- The green LED confirms the settings have been completed.



- 1 Sensor and LED
- 2 Touch area








- Move your finger to the touch area from the side or from underneath.

OPERATION

Settings

Symbols









Symbol	Description
	Touch the touch area
	Move your finger away from the touch area
	The LED on the sensor flashes
	Water is running from the tap
	The water flow has been interrupted

4.3 Standard settings

4.3.1 Setting the water run-on time

The water run-on time can be set between 0 and 10 seconds.











Factory setting: approx. 1 second

		▶ Touch the touch area for 2 seconds. The green LED lights up once.
		▶ Touch the touch area for 5 seconds. The green LED flashes briefly. The red LED flashes once.
		▶ Keep your finger on the touch area for the period of time you want the water to run on for. Water runs while you make the setting. Setting: 1 - 10 seconds = water run-on time.
		▶ If you move your finger away from the touch area, the green LED lights up once to confirm.

4.3.2 Adjusting the sensor range

The sensor range can be adjusted to suit the washbasin. This prevents the sensor tap from running independently.

Factory setting: distance 6







		▶ Touch the touch area for 2 seconds. The green LED lights up once.
		▶ Touch the touch area briefly twice (0.5 seconds). The green LED gives two short flashes and one long flash. The red LED pulses.
		▶ Hold your finger on the touch area (ignore the red LED which flashes four times after 5 seconds). After approx. 15 seconds, the red LED flashes one to eight times, indicating distances 1 - 8.
		▶ Move your finger away from the touch area. The red LED flashes according to the selected distance.
		▶ Wait approx. 10 seconds until the setting has been completed. The green LED lights up once to confirm.

4.4 Extended settings

4.4.1 Setting the draw-off pause

You can interrupt the flow of water for approx. 2 minutes to be able to clean the sensor tap and washbasin, etc., without inadvertently triggering the flow of water.

Activating the draw-off pause

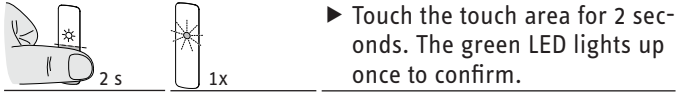
		▶ Touch the touch area for 2 seconds. The green LED lights up once.
		▶ Touch the touch area briefly twice (0.5 seconds). The green LED gives two short flashes. The red LED pulses.
		▶ The flow of water is interrupted for 2 minutes. The red LED pulses.

OPERATION

Settings

Deactivating the draw-off pause

The pause is ended automatically after 2 minutes or by touching the touch area for 2 seconds.



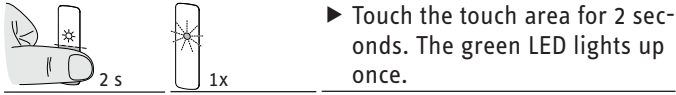
► Touch the touch area for 2 seconds. The green LED lights up once to confirm.

4.4.2 Continuous draw-off

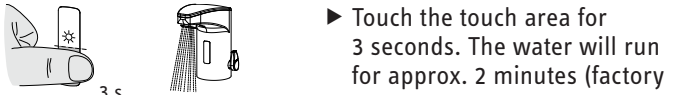
You can set continuous draw-off for 0.5 to 20 minutes to fill the washbasin or containers, etc.

Activating continuous draw-off

Factory setting: approx. 2 minutes



► Touch the touch area for 2 seconds. The green LED lights up once.



► Touch the touch area for 3 seconds. The water will run for approx. 2 minutes (factory setting or another preselected time).

Deactivating continuous draw-off

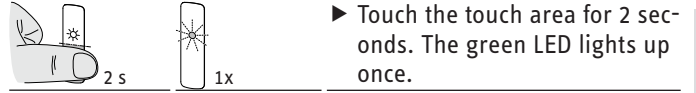


► Touch the touch area briefly.

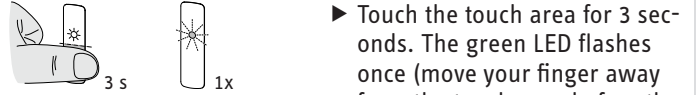
Setting continuous draw-off in minutes

Set continuous draw-off from 0.5 to 20 minutes (in increments of 0.5 minutes).

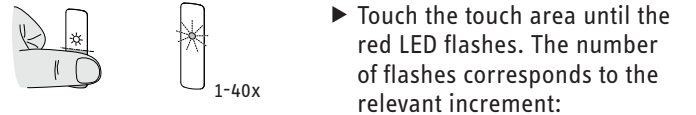
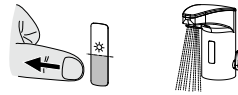
Factory setting: approx. 2 minutes



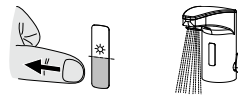
► Touch the touch area for 2 seconds. The green LED lights up once.



► Touch the touch area for 3 seconds. The green LED flashes once (move your finger away from the touch area before the red LED flashes). The water will run when you move your finger away from the touch area.



► Touch the touch area until the red LED flashes. The number of flashes corresponds to the relevant increment:
 1x red LED = 0.5 min
 2x red LED = 1 min
 3x red LED = 1.5 min
 ...
 40x red LED = 20 min



► Move your finger away from the touch area when the number of flashes corresponds to the required setting. The setting is confirmed by the appropriate number of flashes. The water will run. The green LED then lights up once to confirm.



Troubleshooting

4.4.3 Hygiene flush 12/24/48 hours

You can set a hygiene flush to take place 12, 24 or 48 hours after last use.

The hygiene flush time corresponds to the setting for continuous draw-off (see chapter „Extended settings / Continuous draw-off / Setting continuous draw-off in minutes“).

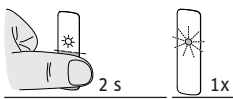
Factory setting: OFF

Setting/activating the hygiene flush start time

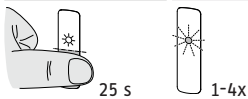


Note

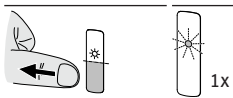
► Make sure that the drain is always clear to prevent overflow due to the hygiene flush.



► Touch the touch area for 2 seconds. The green LED lights up.



► Touch the touch area for approx. 25 seconds (ignore the red LED after 5 seconds and green LED after 10 seconds). The red LED flashes one to four times. The number of flashes determines the hygiene flush start time:
 1x red LED = OFF
 2x red LED = ON after 12 h
 3x red LED = ON after 24 h
 4x red LED = ON after 48 h



► Move your finger away from the touch area when the number of flashes corresponds to the required setting. The green LED flashes once to confirm.

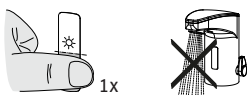


► The hygiene flush is carried out automatically after the last draw-off (according to the programmed start time).

Setting the hygiene flush time

See chapter „Extended settings / Continuous draw-off / Setting continuous draw-off in minutes“.

Deactivating the hygiene flush



► Touch the touch area briefly.

5. Troubleshooting

Observe chapter „Recalibrating the sensor“ to restore the factory settings.

Problem	Cause	Remedy
Water does not run.	The sensor does not recognise black objects.	Select an object with a different colour.
The sensor is flashing.	The sensor is dirty.	Clean the sensor (see chapter "Cleaning and care").
	Reflection in the washbasin.	Remove the object or carry out recalibration.
Short spray of water at the tap outlet.	The power supply is insufficient.	Restore the power supply or replace the battery.
	The sensor is dirty.	Clean the sensor.
The tap switches independently.	Reflections in the washbasin trigger the flow of water.	Recalibrate the sensor.
The water flow is too low.	The aerator is blocked.	Clean/replace the aerator.
The tap switches off.	An object is within range of the sensor for approx. 90 seconds without moving.	The tap automatically recalibrates the sensor.

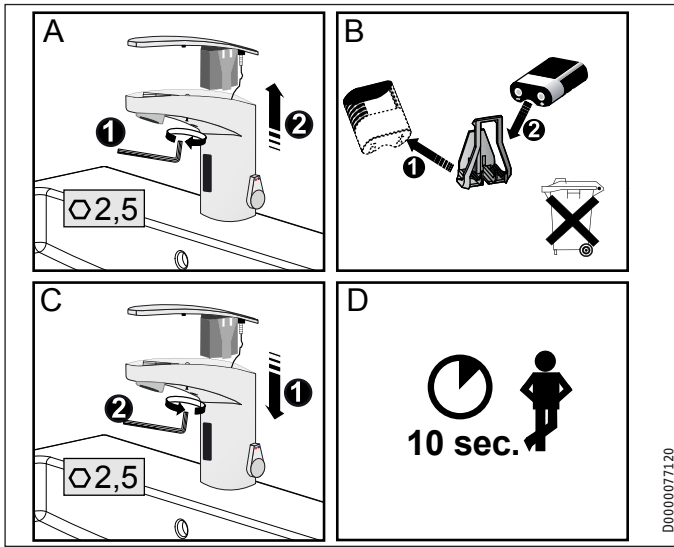
If you cannot remedy the fault, notify your qualified contractor. To facilitate and speed up your enquiry, please provide the serial number from the type plate on the cold water supply (000000-0000).

5.1 Recalibrating the sensor

Your settings will remain unchanged after recalibration. The sensor is automatically recalibrated to the washbasin.

	► Touch the touch area for 2 seconds. The green LED lights up once.
	► Touch the touch area briefly twice (0.5 seconds). The green LED gives two short flashes and one long flash. The red LED pulses.
	► Touch the touch area for approx. 5 seconds until the LED has flashed red four times. Do not reach into the sensor area.
	► The water will run briefly and the green LED lights up once. The tap is then ready for operation.

5.2 Replacing the battery in the WSH 20 sensor tap



Note

The sensor tap is powered by a lithium battery. Remove spent batteries. Leaking batteries cause damage which is excluded from any warranty. Non-rechargeable batteries must not be recharged. Never use rechargeable batteries. If the sensor tap is not going to be used for an extended period, remove the battery.



Battery disposal

Never dispose of batteries with domestic waste. Spent batteries may contain noxious substances that can be detrimental to the environment and human health. Dispose of batteries through your dealer or via a central recycling point for special waste.

5.3 Supplement "Touch settings and programming" on the internet



Note

You can also find separate instructions for "Touch settings and programming" for the sensor tap on the internet. To view this, scan the QR code or paste this link into your browser: www.stiebel-eltron.de/sensorarmaturen



We recommend that you:

- ▶ Print out the instructions and laminate them.
- ▶ Position the instructions close to the sensor tap.

6. Cleaning, care and maintenance

- ▶ Never use abrasive or corrosive cleaning agents or abrasive sponges.
- ▶ If the sensor tap is dirty or covered in limescale, clean it with soapy water or diluted domestic vinegar, then rinse with plenty of clean water. Dry the sensor tap with a cloth.
- ▶ For descaling, remove the aerator from the fitting. To avoid inadvertently triggering the flow of water, activate a draw-off pause; see chapter „Extended settings / Setting the draw-off pause / Activating the draw-off pause“.

INSTALLATION

7. Safety

Only qualified contractors should carry out installation, commissioning as well as maintenance and repair of the product.

7.1 General safety instructions

We guarantee trouble-free function and operational reliability only if original accessories and spare parts intended for the product are used.



DANGER Electrocution

Carry out all electrical connection and installation work in accordance with relevant regulations.



Damage to the appliance and environmental pollution

Drain the system when there is a risk of frost.



Note

To meet the required sound levels, install a pressure reducing valve in the main line if the supply pressure is more than 0.6 MPa.

7.2 Instructions, standards and regulations



Note

Observe all applicable national and regional regulations and instructions.



Note

Water line pressures must be the same for domestic hot water and cold water.

8. Product description

The sensor tap is connected via two flexible pressure hoses with dirt trap. A non-return valve has been fitted into the tap body.

8.1 Standard delivery

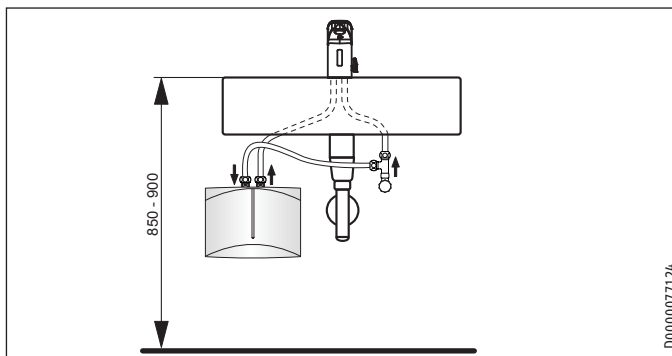
The following are delivered with the product:

- Power supply unit for WSH 10
- Battery for WSH 20, 1 x CR-P2 6 V (installed)
- 2 connection hoses
- 2 strainers

9. Preparation

9.1 Installation location

Installation example:



D0000077124

10. Installation



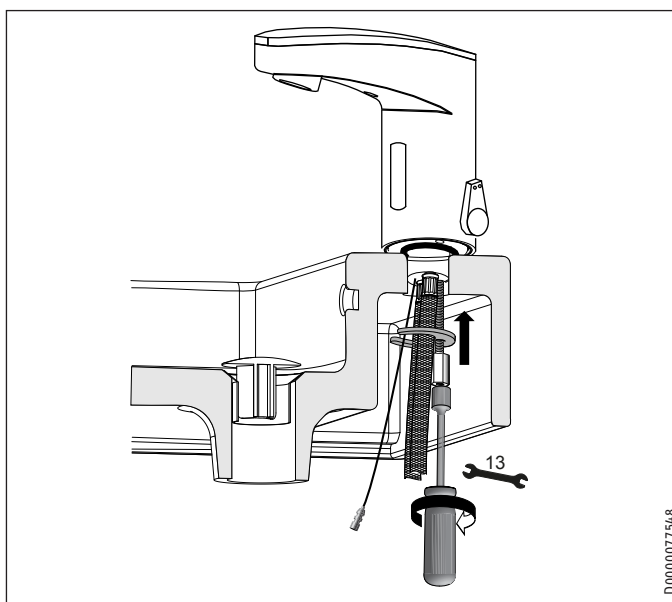
Damage to the appliance and environmental pollution

Refer to the operating and installation instructions for the DHW appliance. Only use aerators that are permissible for the DHW appliance.



Note

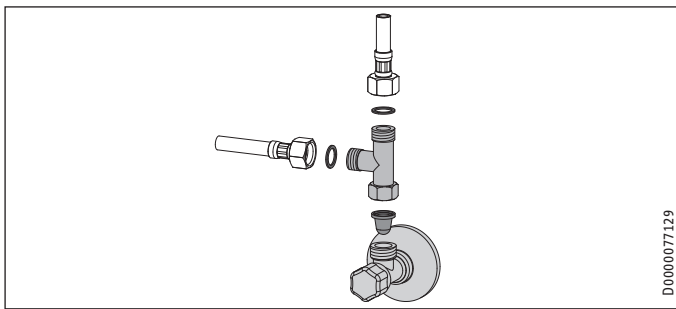
Make sure that the hoses are not kinked during installation and that the electrical connection is not damaged.



D0000077548

INSTALLATION

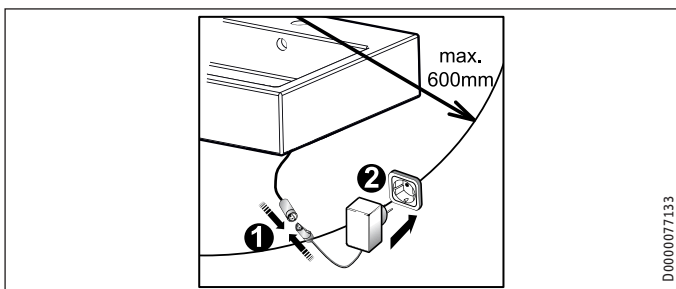
Commissioning



D0000077129

- ▶ Install the strainer and gaskets (the tee is not included in the standard delivery). Strainers are self-sealing.

Only WSH 10:

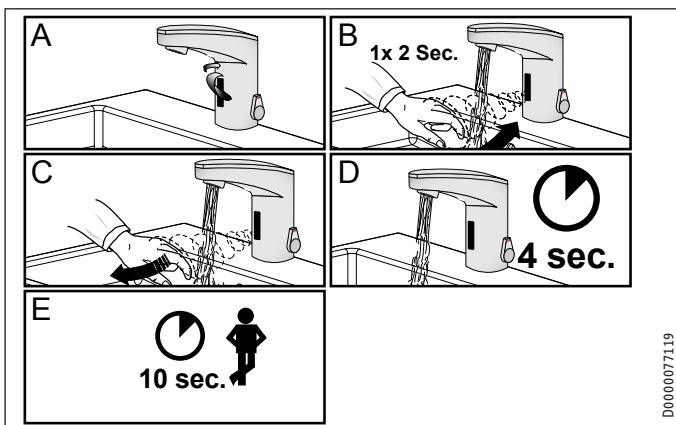


D0000077133

- ▶ Connect the sensor tap to the power supply unit. Connect up the power supply unit.

11. Commissioning

- ▶ Flush the pipeline.
- ▶ Open the angle valve. Adjust the water to the required volume at the angle valve.



D0000077119

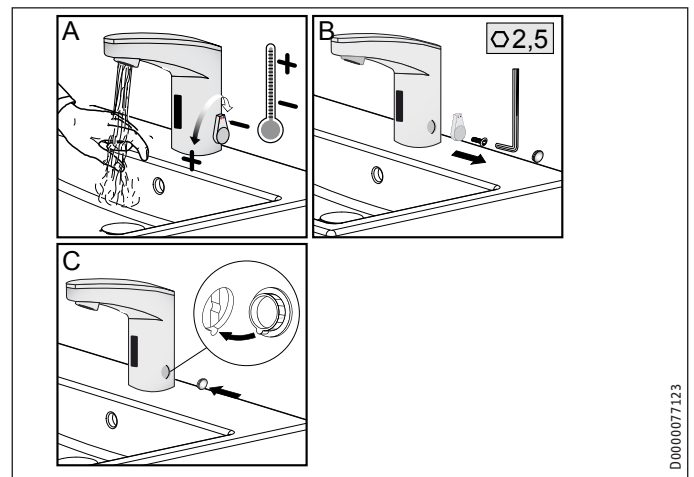
- ▶ Commission the sensor tap:
 - Remove the label.
 - Wave your hand within range of the sensor.
 - Move your hand out of range of the sensor.
 - Water runs for approx. 4 seconds.
 - Wait another 10 seconds. The sensor tap is now ready for operation.

12. Settings

If required, you can set a fixed temperature and a hot water stop at the sensor tap.

12.1 Setting a fixed temperature

You can set a fixed temperature at the sensor tap.

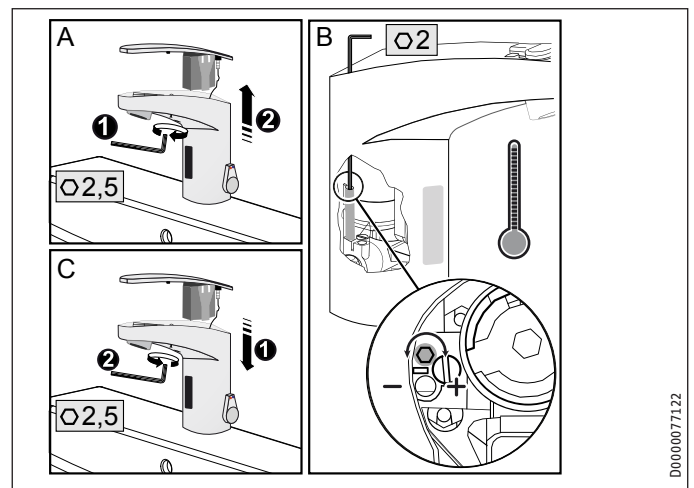


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- ▶ Set the selected temperature as fixed by removing the lever for adjusting the temperature and replacing it with a dummy cap.

12.2 Setting the hot water stop

The hot water range can be locked by adjusting the Allen screw.



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- ▶ Limit the setting range for hot water by turning the Allen screw clockwise or anti-clockwise:
 - „+“ = reduce the hot water setting range
 - „-“ = increase the hot water setting range

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