

# **THERMOMATIC EC HOME® O**

## **Quick start guide for installation and initial start-up**

### **Abbreviations found in the text**

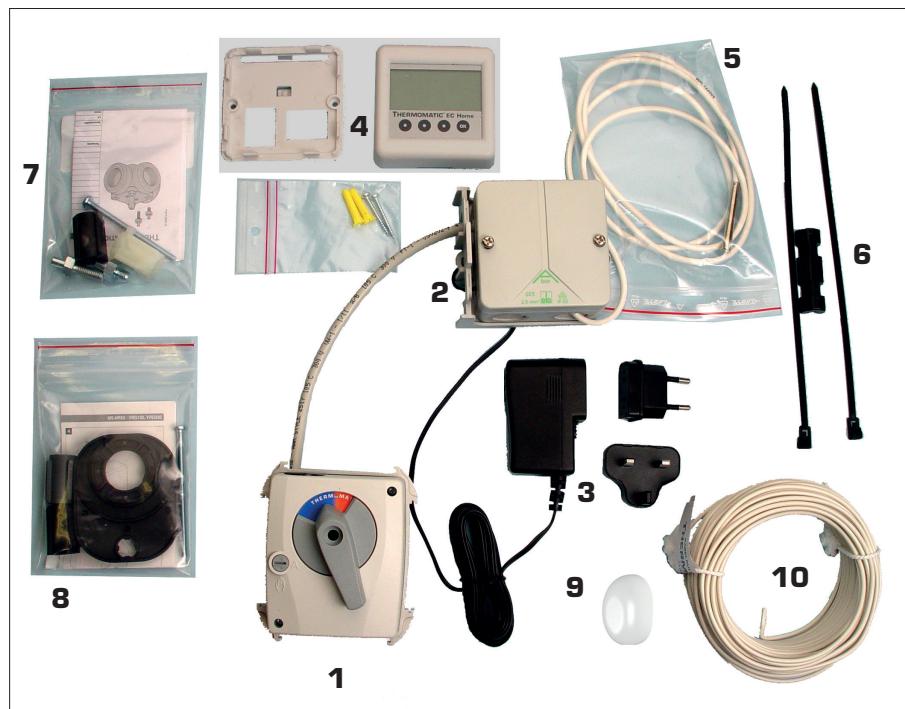
CC = Connection centre

CP = Control Panel



### **Scope of delivery**

1. Mixing valve motor, 24 V DC, 0-10 V, 90°, 10 Nm (connected to CC when delivered)
2. Connection centre (CC), with bracket for fitting motor. The click lock is delivered loose inside the box.
3. Power supply 24 V DC (connected to the CC on delivery). With EU/UK-adapters, 5 m. cable.
4. Control panel (CP) + wall bracket. Delivered with the wall bracket fitted on the CC. Screw + plug for wall fitting are included.
5. Flow sensor (connected to CC on delivery).
6. Installation kit for supply sensors.
7. Installation kit MS-NRETV, for motors on Termoventiler mixing valves or similar.
8. Installation kit MR-NRETV1 for motors on mixing valve type Esbe VRG/VRB
9. Outdoor sensor
10. 2 conductor cable, 25 m, for outdoor sensor. Delivered connected to CC.



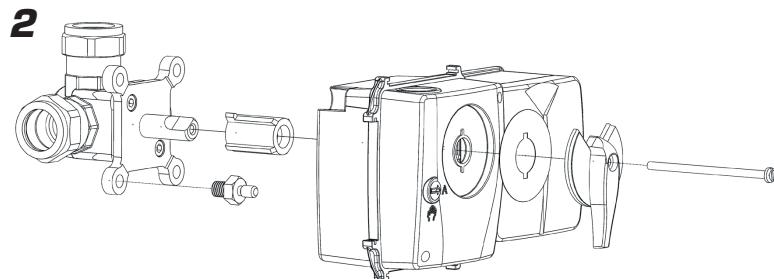
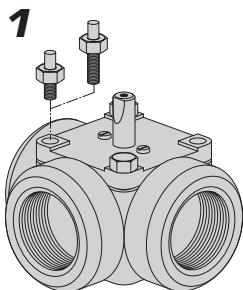
Scan the QR code on the right to view the complete manual for Thermomatic EC Home as a PDF.

[You can also click here to open the manual as a PDF \(computer\).](#)



## 1 Installation of motor on mixing valve

Fit the motor to the mixing valve according to the instructions on the respective installation kit (example shown in photos 1 and 2). Which installation kit is to be used depends on the mixing valve, see the table and instructions in the respective installation kit.



*NB! See the respective installation kit!*

Fit the plate (blue/red) for the mixing valve's position indicator on the motor and fix the handle as shown in figure 3. **NB! The motor is always delivered in the centre position and the handle only fits in the position that the motor is in.** Insert and tighten the screw in the centre of the motor.

Turn the motor to manual position (photo 3). **NB! The handle must only be turned. If the handle is depressed it may stick in the manual position.**

Check that the mixing valve's working area agrees with the position of the handle.

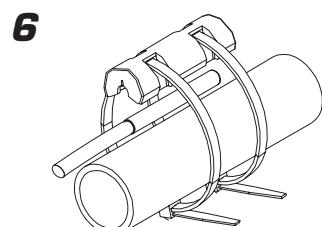
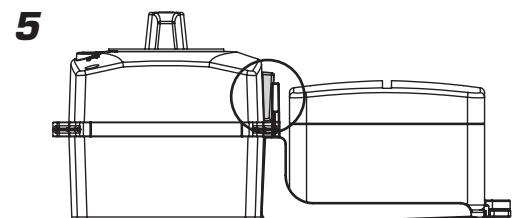
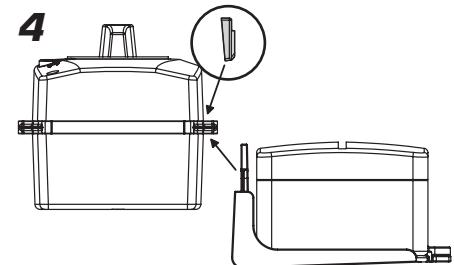
## 2 Installation of the CC

Install the CC with the bracket as shown in photo 4. **The bracket can be located on either side of the motor and is pressed into place from behind.**

The click lock is pressed into the slot until it says "Click" (photo 5). You can use e.g. a small screwdriver to remove the click lock.

The click lock is in the cardboard box.

The CC can also be fitted separately, e.g. on a wall. The box size is adapted for exterior fitting on a 70 mm electrical box (e.g. wall socket).

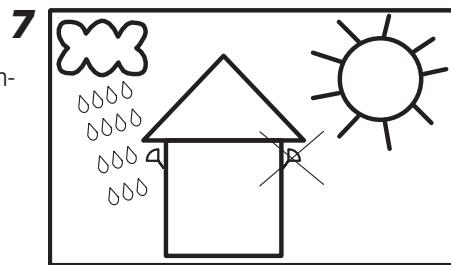


## 3 Fitting the flow sensor

Attach the sensor with the enclosed installation kit on the supply pipe (photo 6) as close to the mixing valve as possible. Ensure that there is good contact. Insulate.

## 4 Positioning outdoor sensors

The outdoor sensor is positioned under the eaves where it does not receive direct sun-light and rain.



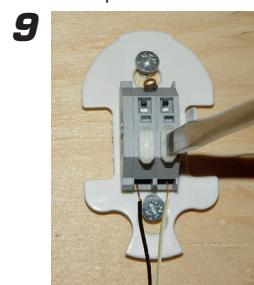
### 4.1 Connecting the cable to the outdoor sensor

The sensor cover is removed/fitted by pressing the sides and lifting/pressing in place, as shown in photo 8.

NB! Screw the sensor in place on the wall before connecting the cable.

The sensor is fitted with a strong spring-loaded terminal block to safeguard its function.

Use a screwdriver or similar to press down and open the connector as shown in photo 9. Insert the cable ends and release the pressure to secure the cable.



## 5 Using the CP

Press any of the buttons to start the display. The second press on any button opens the first available menu.

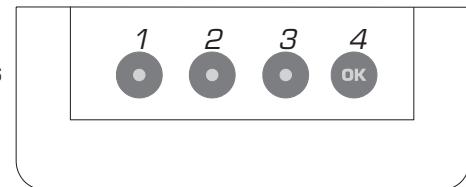
The buttons' function is then displayed above the respective buttons.

Button 1 = Move down/right or decrease value

Button 2 = Move up/left or increase value

Button 3 = Return/escape

Button 4 = OK/activate menu



1 Change

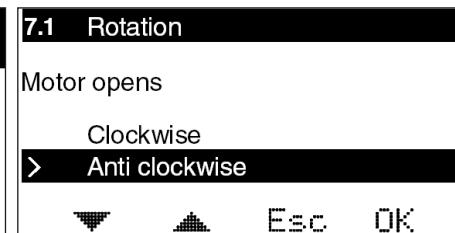
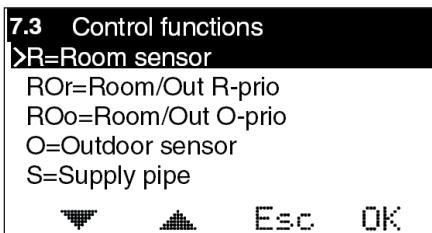
Change wanted?

## 6 Basic settings on first start-up

No OK

The following settings are made on first start-up (see photo below):

When using two systems, a common menu will be shown as the first screen. See the complete manual pages 45-46.



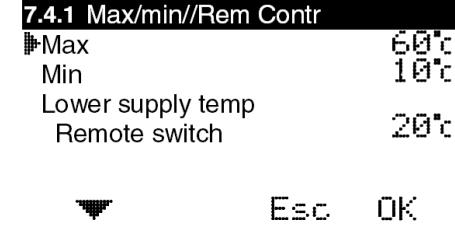
## 7 Other basic settings

The **maximum limit** is set from 0-90°C. Factory setting is 60°C.

The setting is made in menu 7.4.

The **minimum limit** is set from 0-60°C. Factory setting is 10°C.

The setting is made in menu 7.4.

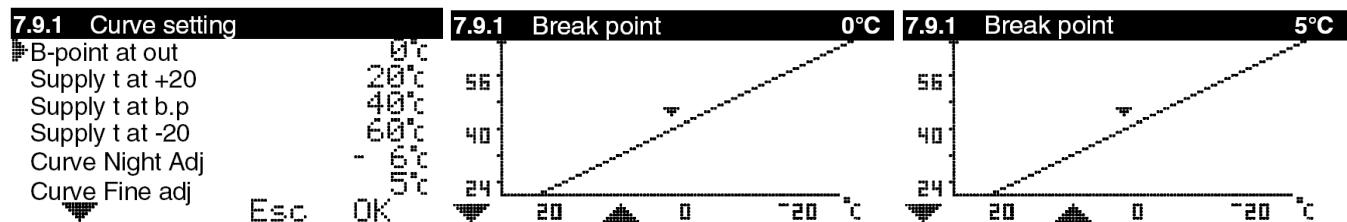


For more advanced settings, such as setting the clock, night reduction etc. - see the complete manual.

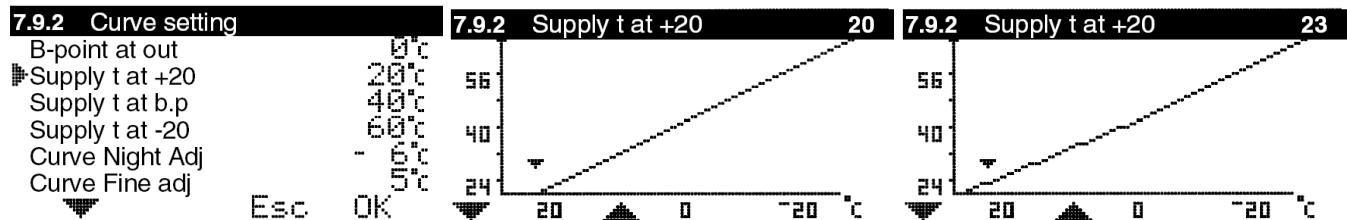
## 8 Menu 7.9 Curve setting

The supply temperature can be set for 2 fixed end positions and a settable intermediate point, the so-called break point. How the curve is affected is shown in the display (see photo below).

**7.9.1 B-point at out** – This setting determines at what outdoor temperature the curve should be broken.



**7.9.2/7.9.4 Supply t. at +20 / -20** – What supply temperature shall be at +20 and -20°C outdoors, respectively.



**7.9.3 Supply t. at b.p** - What supply temperature must be at the set break point.

