

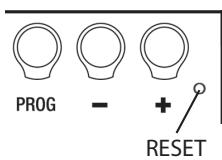
TP4000-RF User Instructions

Danfoss

The TP4000-RF is both a programmer and a room thermostat. It allows you to programme up to 6 times and temperatures at which your heating will come on and go off each day.

Before programming the thermostat press and release the **RESET** button to restart the unit. (Fig. 1)

Fig.1



Setting the Clock and Day

The time is set in the factory and therefore it will not normally be necessary to do this on site. Changes between summer and winter time are handled automatically by the unit.

Accepting the Factory Pre-settings

The TP4000-RF has pre-set times already programmed in, which often suit most people (see table below).

Event	Time	Temp. °C
1	06:30	20
2	08:30	15
3	11:30	20
4	13:30	15
5	16:30	21
6	22:30	15

To adjust the factory pre-settings & set your own time and temperature programmes

- Press **PROG** (Fig. 2) Until 1st pre-set time and temperature appears in display (Fig. 3).
- Use **+** or **-** buttons (Fig. 4) to adjust the **TIME** (press and hold to change in 10 min increments).
- Use **A** or **V** buttons (Fig. 5) to adjust the **TEMPERATURE**.
- Press **PROG** (Fig. 2) to move to next preset time & temp (Event 2) (Fig. 6).
- Repeat steps b, c & d for programming Events 3, 4, 5 & 6.

Returning to RUN mode

Press **PROG** (Fig. 2) – the colon in the LCD display will start to flash (Fig. 7).

Temporary User Overrides

The TP4000-RF has several useful overrides which can be selected without affecting the thermostat programming.

- Selection of time or actual room temperature in main LCD display** – press **+** and **-** **together** to change between settings (Fig. 8).
- Temporary override of programmed temperature** – press **A** or **V** until required temperature is displayed (override will automatically cancel at beginning of next programmed event) (Fig. 9).
- Frost Protection** – a constant low temperature can be selected whilst away from home – press **A** and **V** **together** (Fig. 10). Then use **A** or **V** to select the required temperature. To return to automatic programming press **A** and **V** together again.

Fig.2



Fig.3



Fig.4

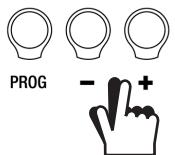


Fig.5

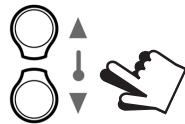


Fig.6



Fig.7



Fig.8



Fig.9



Fig.10

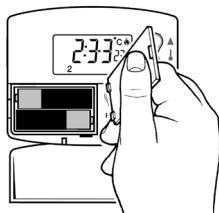


Battery Replacement

- A low **battery symbol will flash** in the LCD display (**Fig. 11**)
- You have 15 days to replace the battery before the unit will switch off.
- Remove old batteries and insert new ones. All settings including time are maintained.
- Press and release the **RESET** button to restart the unit. (**Fig. 1**)

NB. If the display ever goes blank during normal operation, the batteries will need to be renewed with high quality alkaline cells. The reset button should be pressed to restart the unit. All times, dates and events will be retained and need not be re-programmed

Fig.11



IMPORTANT RF Models only

To ensure that the factory programmes are set and the micro-computer is operating correctly it is essential that you press and hold the **RESET** button before you begin any commissioning or programming.

Commissioning Instructions

If the thermostat and the receiver have been supplied together in a combined pack, the units have been paired in the factory and no commissioning is required (**RX1 only**).

To tune the RX receiver to the frequency of the thermostat signal, follow steps 1-5 below.

Step 1

TP4000-RF - Reset the unit by pressing the recessed reset button.

Step 2

Press and hold **V** and **+** buttons (**fig. 12**) for 3 seconds (TP4000 RF now transmits unique signal continuously for 3 minutes).

Step 3

RX1 - Press and hold buttons **PROG** and **CH1** for 3 seconds until green light flashes once. (**Fig. 13**)

Step 4 (Fig.13)

RX2 (if applicable)

Stat 1 - perform steps 1-3 and 5.

Stat 2 - perform steps 1-2 and then press **PROG** and **CH2** on **RX2**.

RX3 (if applicable)

Stat 1 - perform steps 1-3 and 5.

Stat 2 - perform steps 1-2 and then press **PROG** and **CH2** on **RX3** then **step 5**.

Stat 3 - perform steps 1-2 and then press **PROG** and **CH3** on **RX3**.

Step 5

TP4000-RF - Press **V** or **A** to select temperature - the unit will revert back to operating mode.

Fig.12

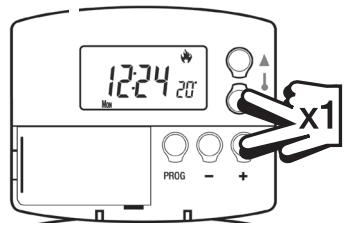
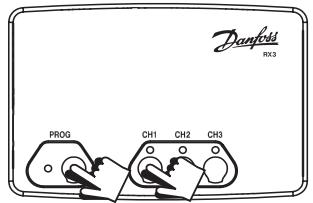


Fig.13



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