TP9000 Si
User Instructions

Danfoss

Before beginning programming, you should reset the unit. Open the flap on the front of the clock. Press the RESET button using a non-metallic **object (e.g. end of a bic biro pen top). (Fig 1)**

Fig. 1

A. Setting the correct Time and Day

The time and date are factory set and do not need to be set.

Fig. 2

B. Accepting the Factory Settings

The TP9000 comes ready programmed with a set of Hot Water times and Central Heating times and temperatures to suit the average household. If you wish to alter these settings follow instructions below.

Your installer will have set your unit to operate in one of the following modes:
5/2 day – a set of programmes for weekdays and another for weekends
7 day – different settings for each day of the week
24 hour – one set of programmes for the whole week

Please follow the relevant instructions below:

(a)

(b)

Fig. 3

C. Programming your central heating - 5/2 day mode

Monday-Friday
- A)Press the **CH/HW** button until the **CH** mode is selected **(Fig 2a)**
- B) Press **PROG** to show the 1st pre-set time and temperature (Event 1 Days mon,tue,wed,thur,fri) **(Fig 2b)**
- C) Use **+** or **–** buttons to adjust the TIME (press and hold to change in 10 min increments). **(Fig 3)**
- D) Use **Λ** or **V** buttons to adjust the TEMPERATURE. **(Fig 4)**
- E) Press **NEXT** to move to next preset time & temp (Event 2) **(Fig 5)**
- F) Repeat steps c, d and e for programming Events 3, 4, 5 & 6.

Saturday- Sunday
Press **DAY/HOL** to show 1st pre-set time and temperature (Event 1 Days Sat - Sun) **(Fig 6)** **(Fig 6)**
Repeat steps b, c and d above to programme time and temperature events for the weekend.
*To return to normal operating mode press and hold **PROG** until screen returns to the current time.* **(Fig 7)**

Fig. 4

Fig. 5

D. Programming your central heating - 24 hour mode

- A)Press the **CH/HW** button until the **CH** mode is selected **(Fig 2a)**
- B) Press **PROG** to show the 1st pre-set time and temperature **(Fig 2b)**
- C) Use **+** or **–** buttons to adjust the TIME (press and hold to change in 10 min increments). **(Fig 3)**
- D) Use **Λ** or **V** buttons to adjust the TEMPERATURE. **(Fig 4)**
- E) Press **NEXT** to move to next preset time & temp (Event 2) **(Fig 5)**
- F) Repeat steps **C**, **D** and **E** for programming Events 3, 4, 5 & 6.
*To return to normal operating mode press and hold **PROG** until screen returns to the current time.* **(Fig 7)**

Fig. 6

E. Programming your central heating - 7 day mode

- A)Press the **CH/HW** button until the **CH** mode is selected **(Fig 2a)**
- B) Press **PROG** to show the 1st pre-set time and temperature (Event 1 Mon) **(Fig 2b)**
- C) Use **+** or **–** buttons to adjust the TIME (press and hold to change in 10 min increments). **(Fig 3)**
- D) Use **Λ** or **V** buttons to adjust the TEMPERATURE. **(Fig 4)**
- E) Press **NEXT** to move to next preset time & temp (Event 2) **(Fig 5)**
- F) Repeat steps c, d and e for programming Events 3, 4, 5 & 6.
- G) to select the next day, press DAY/HOL and repeat steps c, d, and e **(Fig 6)**
- H) repeat process as necessary to complete programming for all 7 days
*To return to normal operating mode press and hold **PROG** until screen returns to the current time.* **(Fig 7)**

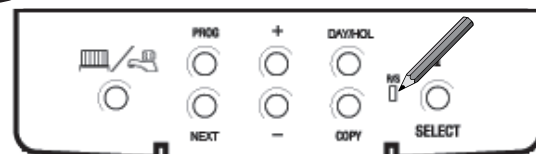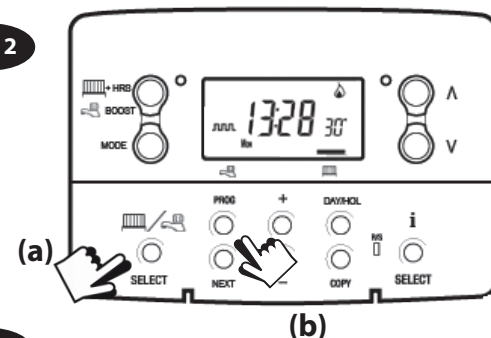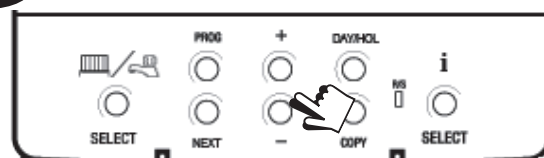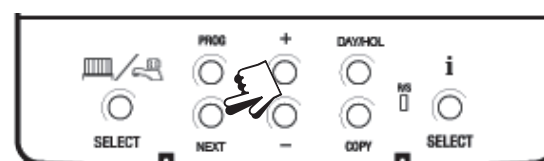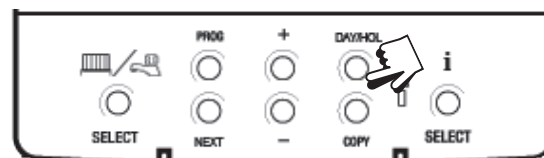**Fig. 7**

F. Programming your hot water - 5/2 day mode

Monday-Friday
- A)Press the CH/HW button until the HW mode is selected **(Fig 8a)**
- B) Press PROG until the first preset time is selected **(Fig 8b)**
- C) Use + or – buttons to adjust the TIME (press and hold to change in 10 min increments). **(Fig 9)**
- D) Press NEXT to move to next preset time & temp (Event 2) **(Fig 10)**
- E) Repeat steps c and d for programming Events 3, 4, 5 & 6.

Saturday- Sunday
Press DAY/HOL to show 1st pre-set time (Event 1 Days Sat - Sun) **(Fig 11)**
Repeat steps b, c and d above to programme time and temperature events for the weekend.
*To return to normal operating mode press and hold **PROG** until screen returns to the current time.* **(Fig 12)**
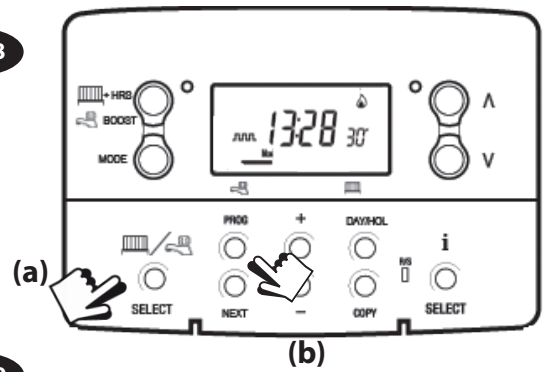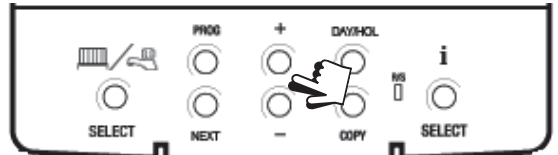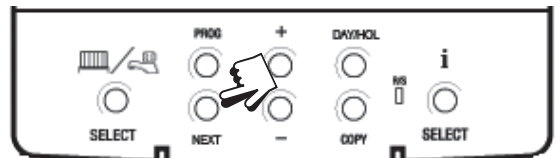
G. Programming your hot water - 24 hour mode

- A)Press the **CH/HW** button until the **HW** mode is selected **(Fig 8)**
- B) Press **PROG** to show the 1st pre-set time (Event 1)
- C) Use **+** or **–** buttons to adjust the TIME (press and hold to change in 10 min increments). **(Fig 9)**
- D) Press **NEXT** to move to next preset time (Event 2) **(Fig 10)**
- E) Repeat steps **C** and **D** for programming Events 3, 4, 5 & 6.

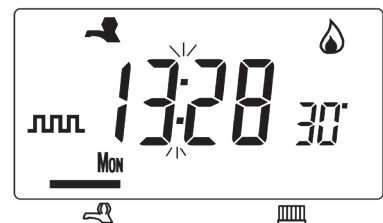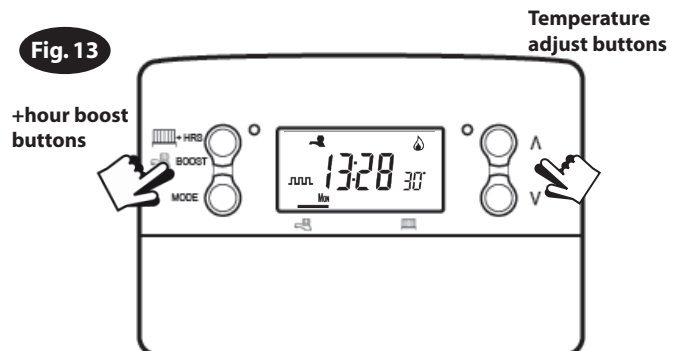*To return to normal operating mode press and hold **PROG** until screen returns to the current time.* **(Fig 12)**

H. Programming your hot water - 7 day mode

- A)Press the CH/HW button until the HW mode is selected **(Fig 8)**
- B) Press PROG to show the 1st pre-set time (Event 1 Mon)
- C) Use + or – buttons to adjust the TIME (press and hold to change in 10 min increments). **(Fig 9)**
- D) Press NEXT to move to next preset time(Event 2) **(Fig 10)**
- E) Repeat steps c and d for programming Events 3, 4, 5 & 6.
- F) To select the next day, press DAY/HOL and repeat steps c, d, and e **(Fig 11)**
- G) Repeat process as necessary to complete programming for all 7 days

*To return to normal operating mode press and hold **PROG** until screen returns to the current time.* **(Fig 12)**

I. Temporary User Overrides

Central Heating:
(ensure Central Heating mode is selected by using the **CH/HW** button)

- **Temporarily alter the current programmed temperature:** Simply press **Λ** and **V** until the required temperature is selected. The unit will now maintain this setting until the start of the next timed event at which point it will revert to pre-programmed user settings. **(Fig 13)**
- **Temporarily override the current time period:** Pressing the +HRS BOOST button will extend the current time/temperature period for 1,2 or 3 hours depending on how many times it is pressed. At the end of the extended period normal operation resumes. **(Fig 13)**
- **Frost Protection Mode:** Pressing **Λ** and **V** together puts the unit in frost protection mode. A constant low temperature can be selected and this will be maintained until **Λ** and **V** is pressed again to resume normal operation. **(Fig 13)**

Hot water:

Temporarily override the current time period: Pressing the **+HRS BOOST** button will extend the current time period for 1,2 or 3 hours depending on how many times it is pressed. At the end of the extended period normal operation resumes.

IMPORTANT TO THE INSTALLER

Installers: please ensure that you have amended the remote sensor setting to value 0 (no remote sensor). Please refer to Option 90 of the Installer Advanced Programming (page 15) in the installation instructions.

Fig. 8

(a)

(b)

Fig. 9

Fig. 10

Fig. 11

Fig. 12

Fig. 13

Temperature adjust buttons

+hour boost buttons