

ENGINEERING
TOMORROW

Danfoss

User Guide

TS710

Single Channel Heating Timer



www.heating.danfoss.com

1 Functional Overview

Symbols	Function description	Symbols	Function description
Mon–Sun	Current set day	Day Mth Yr Hr Min	Time and date setup
	Current on/off period		Heating active
SET CH	Schedule setup	CH	Heating channel 1 current mode
	Current set time / parameter setup	AUTO +1HR ON OFF	
			Away mode

Mon Tue Wed Thu Fri Sat Sun 1 2
SET CH ON OFF 3 4
Day Mth Yr Hr Min AM PM
00:00
CH
AUTO +1HR ON OFF

2 Buttons

Symbols	Function description
	Schedule setup (menu access*)
OK	Confirm settings (date and time setup*)
^ v	Menu navigation / day selection
< >	Time and setting changes / channel mode selection
CH	Channel selection (holiday mode selection*)

* To access additional feature press and hold button for 3 secs

3 Set Date & Time

- Press and hold **OK** button for 3 seconds; **Yr** flashes. Press < or > buttons to adjust year
- Press **OK** button again; **Mth** flashes. Press < or > buttons to adjust month
- Press **OK** button again; **Day** flashes. Press < or > buttons to adjust day of the month
- Press **OK** button again; **Hr** flashes. Press < or > buttons to adjust hour
- Press **OK** button again; **Min** flashes. Press < or > buttons to adjust minute
- Press **OK** button to exit, automatic exit after 20 seconds if no buttons pressed

4 Timer Schedule Setup

- Press ≡ button to access schedule setup
- Set CH flashes, press OK to confirm

Example below for 5/2 day setup, 2 periods

<p>Mo. Tu. We. Th. Fr. flashing Press OK to accept or right arrow to select Sa. Su.</p> <p>Period 1: 1. Use < or > to select ON hour, press OK to confirm 2. Use < or > to select ON minute, press OK to confirm 3. Use < or > to select OFF hour, press OK to confirm 4. Use < or > to select OFF minute, press OK to confirm</p> <p>Repeat 1 to 4 above for period 2</p>	<p>Sa. Su. Now showing in display.</p> <p>Period 1 1. Use < or > to select ON hour, press OK to confirm 2. Use < or > to select ON minute, press OK to confirm 3. Use < or > to select OFF hour, press OK to confirm 4. Use < or > to select OFF minute, press OK to confirm</p> <p>Display returns to home screen and schedule is set.</p>
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Where TS710 is set for 7 day schedule, option will be given to select each day separately. In 24 hr mode, option will only be given to select Mo. to Su. together. See parameter P1.

Where TS710 is set for 3 periods, options will be given to select period 3 times. In 1 period mode, option will only be given for one time period. See parameter P2.

A default program provides timer control if the user does not create own programs:

5/2 or 7 day – 3 Periods selected						
Days	Event 1 - On	Event 2 - Off	Event 3 - On	Event 4 - Off	Event 5 - On	Event 6 - Off
	Start time	Start time	Start time	Start time	Start time	Start time
Mon - Fri	6:30	8:30	11:30	13:30	16:30	22:30
Sat - Sun	7:30	9:30	11:30	13:30	16:30	22:30


* Floor temperature control mode.

For 24hr mode, default schedule follows Mo. to Fr. times above.






For 2 periods setup, default event times 1, 2, 5 & 6 are used. For 1 period setup, default event times 1 & 6 are used.

Note: if parameter P1 or P2 are changed schedule will default to times above and user selected times will need to be reset.

5 Select Away Mode

- Press **CH** for **3 seconds** to enter Away mode and  will be displayed.
- Press **CH** again to exit Away mode.

6 Set Control Parameters

Press  button for 6 seconds to enter the parameter setting mode. Press   for parameter selection and set the parameter range via  or . Complete all adjustments.

To exit parameter setup press , automatic exit after 20 seconds in no button is pressed.

No.	Parameter settings	Settings range	Default
P1	Working mode	01: Schedule timer 7 day 02: Schedule timer 5/2 day 03: Schedule timer 24hr	02
P2	Schedule periods	01: 1 period (2 events) 02: 2 periods (4 events) 03: 3 periods (6 events)	02
P4	Timer display	01: 24hr 02: 12hr	01
P5	Auto daylight saving	01: On 02: Off	01
P7	Service due setup	Installer setting only	
P8	Reset	00: Reset off 01: Select reset	00

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