

ENGINEERING
TOMORROW

Danfoss

User Guide

FP720

Two Channel Heating Timer



www.heating.danfoss.com

1 Functional Overview

Symbols	Function description	Symbols	Function description
Mon-Sun	Current set day	1 2	Heating active (1 or 2 Zone)
	Current on/off period		Domestic hot water heating active
SET CH1 CH2 HW ON OFF	Schedule setup	CH1 AUTO +1HR ON OFF	Heating channel 1 current mode
AM 00:00 PM 00:00	Current set time / parameter setup	CH2HW AUTO +1HR ON OFF	Heating channel 2 or DHW current mode
Day Mth Yr Hr Min	Time and date setup		Away mode

Mon Tue Wed Thu Fri Sat Sun
SET CH1 CH2 HW ON OFF

Day Mth Yr Hr Min AM PM

00:00

CH1 CH2HW
AUTO +1HR ON OFF | 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
- Press CH button to select between SET CH1 or SET HW schedule (CH1 and CH2 if set for two heating zones), 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 FP720 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 FP720 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
P3	Channel setup	01: Heating + Domestic hot water 02: Two heating zones	01
P4	Timer display	01: 24hr 02: 12hr	01
P5	Auto daylight saving	01: On 02: Off	01
P6	Holiday mode setup	01: All channels off 02: Heating off only	01
P7	Service due setup	Installer setting only	
P8	Reset	00: Reset off 01: Select reset	00

Danfoss Limited

Heating Segment • heating.danfoss.co.uk • +44 (0)1895 617000 • E-mail: customerservice.uk@danfoss.com

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