Simple to follow guide to your Danfoss Programmer

Follow this step-by-step guide and how to video to make sure your Danfoss controller is set up correctly for heating and hot water.

Follow this simple step by step guide to set up your controller to include the date and time, the times you want the heating to come on and off and the hot water time periods. It's worth checking that the programmers default settings are in place also, so we have added this section in below. This is all very straight forward.

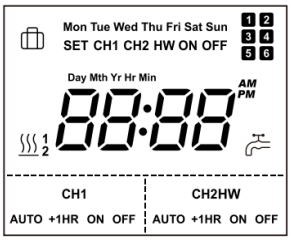
Read the functional overview section below to familiarise yourself with the symbols and see where they are located on the screen of the programmer on the left, this will help you set up the controller.

User Guide **FP720 Two Channel Heating Timer**

1 Functional Overview

Symbols	Function description
Mon–Sun	Current set day
1 2 3 4 5 6	Current on/off period
SET CH1 CH2 HW ON OFF	Schedule setup
AM PM 88:88	Current set time / parameter setup
Day Mth Yr Hr Min	Time and date setup

Symbols	Function description
1 2	Heating active (1 or 2 Zone)
	Domestic hot water heating active
CH1 AUTO +1HR ON OFF	Heating channel 1 current mode
CH2HW AUTO +1HR ON OFF	Heating channel 2 or DHW current mode
	Away mode



This next section below is some of the checks we need to do to make sure that all the default programmer settings are in place. It's very straightforward and the instructions are clear below. Have a look at the buttons on the controller below before moving on further.

Now that we're familiar with the buttons, we can follow the next steps to check that P1 and P2 are set at 02 and P3,4,5,6,7, are set to 01and P8 00

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

Now we are going to set up the timed schedules for both heating and then hot water. Make a note of the times that you want the heating to come on and off during the day, typically 3 times a day. You can then set the hot water times to come on at different times so that it does not stop your heating from working * remember your heat pump can only do either heating or hot water at any given time and not both at the same time.

- 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

Mo. Tu. We. Th. Fr. flashing Press **OK** to accept or right arrow to select Sa. Su. 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 Repeat 1 to 4 above for period 2	Sa. Su. Now showing in display. 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 Display returns to home screen and schedule is set.

Remember, you are going to do this once for the (CH) central heating, and again with different times for the (HW) hot water. If you would like to ignore event 3 & 4 as below you should set both times to the same point.

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

These are the default settings above, should you not set up your programmer correctly, please note that whilst they may work for you in terms of times, you must make sure that hot water is set differently.

Follow this link to a YouTube video:

https://www.youtube.com/watch?v=H73uMK5IWAU