

Understanding how the CM Range of Programmable Thermostats work with regard to time and temperature control

Products covered by this document

Wired Programmable Thermostats

CM707 7 Day Programmable Thermostat

<https://heatingcontrols.honeywellhome.com/products/Programmable-Thermostats/Wired-Programmable-Thermostats/CM707>

CM701 1 Day Programmable Thermostat

<https://heatingcontrols.honeywellhome.com/products/Programmable-Thermostats/Wired-Programmable-Thermostats/CM701>

CM901 1 Day Programmable Thermostat

<https://heatingcontrols.honeywellhome.com/products/Programmable-Thermostats/Wired-Programmable-Thermostats/CM901-1-Day-Programmable-Thermostat>

CM907 7 Day Programmable Thermostat

<https://heatingcontrols.honeywellhome.com/products/Programmable-Thermostats/Wired-Programmable-Thermostats/CM907-7-Day-Programmable-Thermostat>

Wireless Programmable Thermostats

CM727 7 Day Wireless Programmable Thermostat

<https://heatingcontrols.honeywellhome.com/products/Programmable-Thermostats/TPI/CM727>

CM721 1 Day Wireless Programmable Thermostat

<https://heatingcontrols.honeywellhome.com/products/Programmable-Thermostats/TPI/CM721>

CM927 7 Day Wireless Programmable Thermostat

<https://heatingcontrols.honeywellhome.com/products/Programmable-Thermostats/TPI/CM927>

CM921 1 Day Wireless Programmable Thermostat

<https://heatingcontrols.honeywellhome.com/products/Programmable-Thermostats/TPI/CM921>



Can I use my Programmable Thermostat as an on/off timer?



The thermostat is not designed to be an ON/OFF device. It will always be working, matching the time to a temperature requirement.

Unlike a heating time control, your programmable thermostat is always working 24 hours a day to ensure that your property is heated to the temperatures you require. **So remember, it is important that during the periods that you only require protection from low temperatures i.e when you are asleep, that you set the time period to a low temperature.** For example, if you do not want your heating to function during the night, we recommend that you set the temperature to 5°C during the appropriate time period.

Some of the most frequently asked questions we receive are due to a misunderstanding as to how the thermostat operates – questions such as **'My programmer is not turning my heating off and my heating comes on in the middle of the night when I don't want it to'**. These questions are easily answered:

If your heating operates at times when you believe it shouldn't, check that the temperature you have set against the time periods where you don't require heating is low enough to provide frost protection (5°C)* but not high enough to instruct the boiler to fire in normal temperatures.

*(*note a setting on the programmable thermostat of 5°C will not provide a complete level of frost protection across the property, as some areas are more exposed to the elements or a long way away from the location of the programmable thermostat ; such areas may still be affected by extremes of temperature. Your heating engineer can advise you as to how you can have a further level of frost protection for these vulnerable areas, using our Frost Thermostats).*

Programme example:

Period	Time	Temperature	Comment
1	7.00 am	21°C	Start of the day
2	9.00 am	5°C	No normal heating required; property protected against low temperatures
3	12.00 am	18°C	People home for lunch
4	1.00 pm	5°C	Nobody home; no normal heating required; room protected against low temperatures
5	6.00 pm	21°C	People home for the evening
6	11.00 pm	5°C	Night time; no normal heating required; room is protected against low temperatures

If you wish to disable a time period then go to the desired time period (2 to 6) by moving the slider switch to the PROG position, then using the left and right arrows and DAY buttons to navigate, ensuring the correct period is highlighted with the flashing square symbol. Press and hold the button for at least 2 seconds and the display will indicate (by showing dashes) that the period has been removed from the program. Refer to the user guide that came with your product or download a copy at www.honeywelluk.com. You can then use the Copy Day feature to repeat the process across the days of the week you wish to change.

TOP TIP: You can turn off the programmer by setting the slider to the OFF position; however you will not have any heating until the slider is returned to either the manual or automatic setting.



What is a Programmable Thermostat?



A Programmable Thermostat ensures that your heating is provided at the right temperature and at the right time. The key difference to an independent time and temperature system is that you can match different temperature requirements to specific time periods.

This allows you to raise and lower the temperature automatically at specific times to suit your lifestyle. You will probably have a programmable thermostat positioned in your living area. You may also have a separate timer controlling the time that your hot water is available.

For instance if you have children of school age, you may want your heating on during the week, in the late afternoon, but because this is a period where there may be more activity you do not need the temperature to be as high as during the evening period where life is maybe more sedentary.

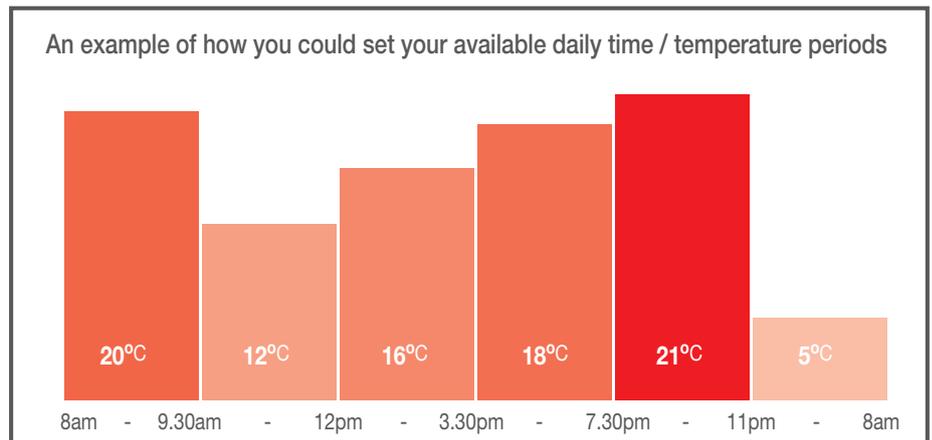
The CM range of Programmable Thermostats allows you to raise and lower the temperature across 6 time periods.

The Honeywell Home models that operate as programmable thermostats are shown on the first page.

Q How can I use the thermostat to ensure my heating matches my daily activities?

A You have either a programmable thermostat that allows you to set a different time and temperature plan for each of seven days, or a programmable thermostat that allows you to set the same plan for every day.

Time periods during each day: Your programmable thermostat can be set to have either different temperatures for the 6 different time periods.



TOP TIP: If you create a simple plan of when you want the heating and or hot water to come on and go off and then set a desired temperature against each period, it is then easy to enter this schedule into your thermostat. We have put together a handy template for you at the end of this document.

Q What are the pre-programmed settings?

A Your programmable thermostat comes pre-programmed with a set of suggested temperature profiles. The settings are:

Pre-set time and temperature profile		Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Monday to Friday	Heating time and temperature	6:30 21°C	8:00 18°C	12:00 21°C	14:00 18°C	18:00 21°C	22.30 16°C
Saturday & Sunday	Heating time and temperature	8:00 21°C	10:00 21°C	12:00 21°C	14:00 21°C	18:00 21°C	23.00 16°C

If you or your installer have entered any other programmes, these will automatically replace the pre-programmed settings.

TOP TIPS: If you are using the pre-programmed settings, please note that the overnight period is set to 16 degrees C and if the temperature drops below this level your heating will come on.

Once the programme is running in AUTO mode, you can raise or lower the temperature by the up/down arrow buttons on the facia (ie with the flap down) and the temperature will be changed; either until the next time period change (when it will revert to your normal program) or until you again alter the temperature within that time period.

Q How can I set or change the programmed time and temperatures

A Further Assistance. This guide is not designed to replace the comprehensive user guides provided with your Honeywell Home programmable thermostat. Replacement copies of the user guides can be obtained from the respective product pages on the Honeywell Home UK website – the links you require are at the top of this document.

Temperature Planning Guide

Record desired time and temperature against each time period		Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Example	Time and temperature plan	6:30 21°C	8:00 18°C	12:00 21°C	14:00 18°C	18:00 21°C	22:30 16°C
Monday	Heating time and temperature						
Tuesday	Heating time and temperature						
Wednesday	Heating time and temperature						
Thursday	Heating time and temperature						
Friday	Heating time and temperature						
Saturday	Heating time and temperature						
Sunday	Heating time and temperature						

Note

Honeywell legacy products. The following two products are also programmable thermostats:

CM37 7 Day Programmable Thermostat

<https://heatingcontrols.honeywellhome.com/products/Programmable-Thermostats/Wired-Programmable-Thermostats/CM37>

CM31 1 Day Programmable Thermostat

<https://heatingcontrols.honeywellhome.com/products/Programmable-Thermostats/Wired-Programmable-Thermostats/CM31>

They are analog devices, with the time periods set mechanically.

User guides are available at the links above.

Please note that the same key points regarding always on operation apply.

Unlike a heating time control, your programmable thermostat is always working 24 hours a day to ensure that your property is heated to the temperatures you require. So remember, it is important that during the periods that you only require protection from low temperatures i.e when you are asleep, that you set the time period over night to a low level.

Thermostat Product Group	Honeywell Part Number	Description	Product Type	ErP Class	%
Programmable Thermostat	CMT701A1014	CM700 Contract Programmable Thermostat	Wired	Class IV	2%
	CMT707A1029	CM700 Contract Programmable Thermostat	Wired	Class IV	2%
	CMT721D1019	CM700 Contract Programmable Thermostat	Wireless	Class V	3%
	CMT727D1016	CM700 Contract Programmable Thermostat	Wireless	Class V	3%
	CMT901A1044	CM900 Programmable Thermostat	Wired	Class IV	2%
	CMT907A1041	CM900 Programmable Thermostat	Wired	Class IV	2%
	CMT921A1042	CM900 Programmable Thermostat	Wireless	Class V	3%
	CMT927A1049	CM900 Programmable Thermostat	Wireless	Class V	3%

Other Honeywell FAQ's

There are a wide range of FAQ's available on a variety of different topics. They can all be accessed via our website www.heatingcontrols.honeywellhome.com

Installation & User Guides

All our Installation and User Guides for Honeywell heating control products sold in the UK can be found on the website www.heatingcontrols.honeywellhome.com

Full details of our product range can also be accessed by visiting www.heatingcontrols.honeywellhome.com. Our products can be purchased from Professional Plumbing & Heating Merchants; Builders Merchants and other suppliers of professional products to the heating and plumbing industry across the UK.

Contacting us:

Technical Support: Please note, we are unable to offer technical support to householders. Please contact your local installer for assistance.

08457 678999 (charged at local rates) **+44 (0)1344 656125** (calls from outside the UK)
Available from Monday - Thursday 09:00 - 17:00 Friday 09:00 - 16:00

This line is often busy during peak periods. If your enquiry is not of an urgent nature, please send an email, an automatic email form is available on the contact page on www.heatingcontrols.honeywellhome.com

General Sales Enquiries: 01344 656172

Sales Support Literature: 0800 521121 (UK only)

Installer Training Courses : 01344 656352

Please note that calls cannot be transferred between geographical numbers.

This FAQ sheet is for guidance only and at the time of production represented the latest information available to Honeywell from various sources. Honeywell reserves the right at any time and without notice to change any product, specification or any other information contained in this publication and cannot accept any responsibility for loss or damage arising out of any errors that may inadvertently be contained herein.

Resideo Pro Install 200 Berkshire Place Winnersh Triangle Berkshire RG41 5RD