



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL CM901. You'll find the answers to all your questions on the HONEYWELL CM901 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual HONEYWELL CM901**  
**User guide HONEYWELL CM901**  
**Operating instructions HONEYWELL CM901**  
**Instructions for use HONEYWELL CM901**  
**Instruction manual HONEYWELL CM901**





**Description**

The Honeywell CM901 is a programmable room thermostat designed to control your heating system efficiently, providing comfortable temperatures when you are at home and energy savings when you are away. The following instructions explain how to program and use the CM901 to provide the most home comfort at the least cost.

**Features**

**Ergonomic User Interface** features an **OK-button** making the CM901 very easy to use so you always stay in control.

**Dynamic Text Display** provides informative 'on-screen' feedback and operational assistance to the user.

**Extra Large LCD (Liquid Crystal Display) Screen with Backlight** provides added user friendliness and clearer viewing – even in the dark.

**6 independent temperature levels** lets you set any 6 temperatures you require (from 5 to 35°C) so you can enjoy economical comfort throughout the day.

**Holiday button** saves energy by letting you reduce the temperature for 1 to 99 days while you are away from home, resuming normal operation on your return.

**Automatic Summer/Winter Time Change** will adjust the clock automatically for 'Daylight Saving Time'.

**Built-in Memory** holds the user program indefinitely so that it is never lost – even if you remove the batteries.

**Outside Temperature Sensor** (optional accessory) can be fitted to the CM901 to display the temperature outside your home.

**Remote Temperature Sensor** (optional accessory) can be fitted to the CM901 to control to the room temperature in another location, concealing the CM901.

**Optimum Start** option is an advanced feature which ensures that the optimum temperature conditions are achieved at the required times.



**CM901 - User Guide**  
**1 day Programmable Room Thermostat**

**Honeywell Control Systems Ltd.**  
Arlington Business Park,  
Bracknell  
Berkshire  
RG12 1EB  
Technical Help Desk: 08457 678999  
www.honeywelluk.com



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**Manual abstract:**

The following instructions explain how to program and use the CM901 to provide the most home comfort at the least cost. Features Ergonomic User Interface features an 'OK-button' making the CM901 very easy to use so you always stay in control. Dynamic Text Display provides informative 'on-screen' feedback and operational assistance to the user. Extra Large LCD (Liquid Crystal Display) Screen with Backlight provides added user friendliness and clearer viewing even in the dark. 6 independent temperature levels lets you set any 6 temperatures you require (from 5 to 35°C) so you can enjoy economical comfort throughout the day. Holiday button saves energy by letting you reduce the temperature for 1 to 99 days while you are away from home, resuming normal operation on your return. Automatic Summer/Winter Time Change will adjust the clock automatically for 'Daylight Saving Time'. Built-in Memory holds the user program indefinitely so that it is never lost even if you remove the batteries. Outside Temperature Sensor (optional accessory) can be fitted to the CM901 to display the temperature outside your home. Remote Temperature Sensor (optional accessory) can be fitted to the CM901 to control to the room temperature in another location, concealing the CM901.

Honeywell Control Systems Ltd. @@@@4 STEP 3: Running the Built-In Heating Program ....

..... @@@@5 Modifying the Heating Program...

..... 5 Disabling / Enabling Time Periods ...

.. 7 15 DATE PROG AUTO MAN OFF AUTOMANOFF 9 10 OPERATING THE CM901 Choosing the Operating Mode ...

... 8 AUTO mode .....

... 8 MAN mode .....

..... 8 OFF mode .....

..... 8 Adjusting the Time ..





In OFF operating mode the thermostat again displays the current room temperature, as above, but when the button is pressed the text 'FROST TEMP' is displayed indicating nge the batteries on the CM901 when they run out? @@When the power is running low a flashing symbol will be displayed on the screen. To change the batteries follow the steps in the above section ( STEP 1: Installing the Batteries' on page 3), replacing the used batteries with new ones in step c. Note: While changing the batteries your program settings will be stored but you may need to adjust the time and date settings to be correct. How do I set one temperature for the whole day? To operate as a simple thermostat with one temperature for a period of time, move the slider switch to the MAN position. Adjust the manual temperature by pressing the or buttons.

This can be set anywhere from 5°C to 35°C in 0.5°C steps. The thermostat will continue to maintain this temperature until another operating mode is selected or the temperature is adjusted. What is Optimum Start? Optimum Start is a program which ensures that the optimum temperature conditions are achieved at the required times. This is an Energy Efficiency feature that adjusts the start time of your heating system depending upon how cold it is. For example, on cold days your heating system will be started earlier to ensure that your home is warm when you get up (at the target temperature) and on warmer days the heating system will be started later to save energy. So, if the Optimum Start Feature is used, then the time / temperature settings which are entered into the thermostat should be set to when you want to be warm by and not when you want the heating system to start. 12 FAQ's & TROUBLESHOOTING Can I use my CM901 to control my air-conditioning system? Yes, if your system has been set up correctly you can use your thermostat to control the cooling. To switch the thermostat between heating and cooling modes press or buttons together for 5 seconds in any of the product operating modes the (AUTO, MAN or OFF). The text 'COOLING' will be displayed for a moment on the screen to indicate the cooling operation is now active.

The factory default program for cooling is specified in the table below, but this can be modified in the same way as the default heating program: Period Time Temperature 1 6:30 24°C 2 8:00 28°C 3 12:00 24°C 4 14:00 28°C 5 18:00 24°C 6 22:30 24°C If something happens to my heating system how can I check that the thermostat is working? Refer to the Troubleshooting Guide on page 15. If you still need assistance after this call your installer. The thermostat should only be opened or removed by a qualified professional to prevent possible injury from electric shock and/or damage to the product. 13 FAQ's & TROUBLESHOOTING What other accessories can I buy that work with the CM901? 1. Outside Temperature Sensor Accessory The Outside Temperature Sensor accessory can be fitted to your thermostat to display the outside temperature.

By pressing the button twice, the thermostat displays the external temperature. 2. Remote Temperature Sensor Accessory The Remote Temperature Sensor accessory can be fitted to your thermostat to control the temperature of another room where it is inconvenient to locate the thermostat e.g. commercial premises where the public may tamper with the buttons.

Note: For more information on the above accessories please contact your installer. 14 Troubleshooting Guide Possible Cause Batteries not installed Incorrect battery orientation Exhausted batteries Batteries are exhausted and need replacing No power to heating system Program does not call for heat Replace with new batteries Check that there is power to the heating system. Replace with new batteries Remedy Check to see if there are batteries in the battery compartment and the paper tab has been removed Check that the batteries have been installed in the correct orientation Symptom CM901 has a blank LCD screen CM901 shows a flashing symbol on the LCD screen The CM901's LCD screen works but the heating does not switch on or to Move the slider switch to MAN and press increase the temperature a few degrees above the current room temperature. The heating should come on after a few seconds. Call installer to check electrical connection between the CM901 and the boiler. Call Installer Call Installer Remove and re-insert the batteries in the CM901. If the symbol does not clear itself in a few minutes call the installer CM901 not connected to boiler properly CM901 not set correctly for your system CM901 not set correctly for your system Fault in CM901 Heating switches ON or OFF too slowly or quickly Temperature swings between too hot and too cold. CM901 shows a flashing symbol on the LCD screen 15 WHAT IS A PROGRAMMABLE ROOM THERMOSTAT? ...

an explanation for householders A programmable room thermostat is both a programmer and a room thermostat. A programmer allows you to set 'On' and 'Off' time periods to suit your own lifestyle. A room thermostat works by sensing the air temperature, switching on the heating when the air temperature falls below the thermostat setting, and switching it off once this set temperature has been reached. So, a programmable room thermostat lets you choose what times you want the heating to be on, and what temperature it should reach while it is on. It will allow you to select different temperatures in your home at different times of the day (and days of the week) to meet your particular needs. Turning a programmable room thermostat to a higher setting will not make the room heat up any faster. How quickly the room heats up depends on the design of the heating system, for example, the size of boiler and radiators. Neither does the setting affect how quickly the room cools down. Turning a programmable room thermostat to a lower setting will result in the room being controlled at a lower temperature, and saves energy. The way to set and use your programmable room thermostat is to find the lowest temperature settings that you are comfortable with at the different times you have chosen, and then leave it alone to do its job.

The best way to do this is to set low temperatures first, say 18°C, and then turn them up by one degree each day until you are comfortable with the temperatures. You won't have to adjust the thermostat further. @@@@If you do have TRVs, you can choose a slightly higher setting to make sure that even the coldest room is comfortable, then prevent any overheating in other rooms by adjusting the TRVs. 16 WHAT IS A PROGRAMMABLE ROOM THERMOSTAT? The time on the programmer must be correct. Some types have to be adjusted in spring and autumn at the changes between Greenwich Mean Time and British Summer Time.

You may be able to temporarily adjust the heating programme, for example, 'Override', 'Advance' or 'Boost'.



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*These are explained in the manufacturer's instructions. Programmable room thermostats need a free flow of air to sense the temperature, so they must not be covered by curtains or blocked by furniture. Nearby electric fires, televisions, wall or table lamps may prevent the thermostat from working properly. 17  
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