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You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL CM907. You'll find the answers to all your questions on the HONEYWELL CM907 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HONEYWELL CM907
User guide HONEYWELL CM907
Operating instructions HONEYWELL CM907
Instructions for use HONEYWELL CM907
Instruction manual HONEYWELL CM907





Description

The Honeywell CM907 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 CM907 to provide the most home comfort at the least cost.

Features

Ergonomic User Interface features an 'OK-button' making the CM907 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.

7-day heating program lets you set the CM907 independently for each day of the week to match your lifestyle, whilst maximizing energy savings.

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

Party button lets you temporarily maintain (or adjust) the current temperature for 1 - 23 hours. Useful when you have guests or leave the house for a short period.

Day Off button copies Sunday's program into any other day of the week, so that you can make the CM907 follow this program if you have a day or days off.

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 CM907 to display the temperature outside your home.

Remote Temperature Sensor (optional accessory) can be fitted to the CM907 to control to the room temperature in another location, concealing the CM907.

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



CM907 - User Guide
7 day Programmable Room Thermostat

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Manual abstract:

6 independent temperature levels per day lets you set any 6 temperatures you require (from 5 to 35°C) so you can enjoy economical comfort every 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. Party button lets you temporarily maintain (or adjust) the current temperature for 1 - 23 hours. Useful when you have guests or leave the house for a short period. Day Off button copies Sunday's program into any other day of the week, so that you can make the CM907 follow this program if you have a day or days off. Automatic Summer/Winter Time Change will adjust the clock automatically for 'Daylight Saving Time'. Honeywell Control Systems Ltd. Arlington Business Park, Bracknell Berkshire RG12 1EB Technical Help Desk: 08457 678999 www.honeywelluk.com 42010943-703 R1 © 2005 Honeywell International Inc. CM907 - User Guide 7 day Programmable Room Thermostat 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 CM907 to display the temperature outside your home. Remote Temperature Sensor (optional accessory) can be fitted to the CM907 to control the room temperature in another location, concealing the CM907. Optimum Start option is an advanced feature which ensures that the optimum temperature conditions are achieved at the required times. Controls Layout 1 2 3 4 Contents 5 6 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'. 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. GETTING STARTED WITH THE CM907
7 19 18 DAY 8 STEP 1: Installing the Batteries.

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3 STEP 2: Setting the Date and Time.....

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..... 4 STEP 3: Running the Built-In Heating Program

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. 4 PROGRAMMING THE CM907 The Built-in Heating Program.....

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.....

..... 5 Reviewing the Heating Program

.....

.....

.....

.....

.... 5 Modifying the Heating Program.

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.....

.....

.....

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.... 5 Disabling / Enabling Time Periods

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..... 7 17 16 15 14 COPY DAY AUTOMANOFF CM907 1.

.6 DATE PROG AUTO MAN OFF 9 10 OPERATING THE CM907 Choosing the Operating Mode

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.. 8 AUTO mode ...

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.. 8 MAN mode ...

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

.....
.....
.....
.....
.....

.. 8 During Normal Operation ...

.....
.....
.....
.....

..... 8 Temperature Enquiry

.....
.....
.....
.....
.....

... 8 Temperature Override

.....
.....
.....
.....

..... 9 Using the Special Functions ..

.....
.....
.....
.....
.....

... 9 HOLIDAY Function

.....
.....
.....

.....
.....
.... 17 WHAT IS A PROGRAMMABLE ROOM THERMOSTAT? An explanation for householders .
.....
.....
.....

..... 18 Manufactured for and on behalf of the Environment and Combustion Controls Division of Honeywell Technologies Sàrl, Ecublens, Route du Bois 37, Switzerland by its Authorised Representative Honeywell International Inc. 13 12 11 1 2 3 4 5 6 7 8 9 Day / Date Display Time Display Dynamic Text Display Heating On Indicator Battery Low Indicator Temperature Display Temperature Change Buttons Temperature Enquiry Button Slider Switch 11 12 13 14 15 16 17 18 Program Buttons Battery Compartment Lid Battery Compartment Holiday Function Button Party Function Button Day Off Function Button Copy Day Button Day Select Button Time Change Buttons 19 10 Green OK Button GETTING STARTED WITH THE CM907 This section shows you how to setup and run the thermostat in 3 simple steps: STEP 1: Installing the Batteries Note: Please follow the instructions in this section only if the thermostat screen is blank (no symbols or digits are displayed). If the screen displays some information move on to STEP 2: Setting the Date and Time. To install the Batteries: a. Lift up the front cover of the thermostat to reveal the battery cover and product controls.

b. Remove the battery cover by pressing down and sliding out. c. Insert the 2 x AA LR6 Alkaline Batteries supplied with the thermostat, ensuring the correct orientation (see 'Controls Layout' on page 2). d. After a short pause the thermostat will display information on the screen and is now ready for use. e. Replace the battery cover by sliding it firmly back into the front of the thermostat. PLEASE RESPECT YOUR ENVIRONMENT! Take care to dispose of used batteries carefully. 3 GETTING STARTED WITH THE CM907 STEP 2: Setting the Date and Time To set the Date and Time: a.

Move the slider switch to the DATE position. 'SET THE DAY' will be displayed on the screen and the day digits will be flashing. DATE PROG AUTO MAN OFF buttons to set the correct day. When either of these buttons or b. Use the are pressed 'DAY OK?' will be displayed.

Once the correct day is reached, press button to confirm. the green c. Now the month digits will start flashing and 'SET THE MONTH' will be displayed. buttons, pressing the or Change the month and then the year using the button to save any changes made. (If an invalid date has been entered green you will be returned to the start of the date setting mode).

d. After setting a valid date, the time digits will begin flashing and 'SET THE TIME' will be displayed. or buttons to set the correct time. Each press of the button will e. Use the change the time by one minute and holding the button down will change the time slowly at first and get progressively quicker. Once the correct time is set, press button to confirm then 'CHANGES SAVED' will be displayed for a the green moment followed by 'DATE COMPLETE'. Note: If the slider switch is moved at any time before 'DATE COMPLETE' is displayed the changes to the date and time will NOT be saved. STEP 3: Running the Built-in Heating Program The thermostat is now ready for operation. Move the slider switch to the AUTO position and the built-in heating program will start running. The built-in heating program has been designed to provide normal comfort requirements, but if you want to customise the default settings (as shown on the next page) please see the next section 'PROGRAMMING THE CM907'.

4 PROGRAMMING THE CM907 The Built-in Heating Program The built-in heating program has 6 temperature level changes per day that can be set between 3.00am and 2.50am the following day - allowing you to maintain the evening temperature after midnight. Each temperature level can be set between 5°C and 35°C, and adjusted in 0.5°C increments. The factory default program for heating is as follows: Monday to Friday Period Time Temperature Saturday & Sunday Period Time Temperature 1 8:00 21°C 2 10:00 21°C 3 12:00 21°C 4 14:00 21°C 5 18:00 21°C 6 23:00 16°C 1 6:30 21°C 2 8:00 18°C 3 12:00 21°C 4 14:00 18°C 5 18:00 21°C 6 22:30 16°C Reviewing the Heating Program To review or edit the heating program move the slider switch to the PROG position then use the or buttons to navigate between the 6 individual programming periods for Monday.



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Use the DAY button to step through each day of the week, so the complete 7 day heating program can be reviewed or edited. Modifying the Heating Program To change the heating program: a. Set the slider switch to the PROG position, entering programming mode. SET TIME 1' will be displayed and the time settings for period 1 on Monday (MON) will be flashing.

The active period is highlighted by a flashing square symbol around the numbers at the bottom of the screen and the selected day is flashing in the top left hand corner of the screen. DATE PROG AUTO MAN OFF 123456 5 PROGRAMMING THE CM907 or buttons and 'TIME 1 OK?' will b. To adjust the period start time press the be displayed. Holding the button down will change the time quickly. or buttons and the display flashes the next Note: If you are pressing the change period, it means the next change will be pushed forward if you continue buttons).

or to press button to confirm the setting. 'CHANGES SAVED' is displayed c. Press the green for 1.5 seconds then 'SET TEMP 1' will be shown. Note: If the original time setting did not require adjustment press the green button to move on to step 'd.

' d. @@@To or buttons and 'TEMP 1 OK?' will be displayed. adjust this press the button to confirm the setting. 'CHANGES SAVED' will be e. Press the green displayed for a moment followed by 'SET TIME 2'. f. The next time and temperature period will now be active. @@@@days. @@@@Note: To run the adjusted program select the AUTO mode.

@@@Press a button to finish programming the thermostat or move the slider to select the desired operating mode. Disabling / Enabling Time Periods The thermostat has 6 periods each day that can be programmed, but you mayVED' will be displayed for a moment followed by 'TEMP OK?'.

@@@@@@@@@@@@@@@@@@@@To set the Party function: a. Move the slider switch to the AUTO or MAN position. b. @@The text 'PARTY DURATION' will now be displayed on the screen. Use the buttons to set the number of hours (1 - 23 hours). or d. Press the green button to confirm the setting. e.

@@@@Use the f. button to confirm the setting. @@@@This is useful when you have a day off during your normal week or will, unintentionally, be at home on a workday due to illness, etc. To set the Day Off function: a. Move the slider switch to the AUTO position.

b. Press the button to display the days off counter, 'DAYS OFF' will be displayed and the day off indicator will appear. buttons to set the number of days (1 - 99 days) you or c. Press the would like the alternative heating program to run for. Note: (The day and date will update according to the number of days selected).

d. Press the green button to confirm the setting. e. On confirmation 'CHANGES SAVED' will be displayed on the screen for a moment and then will return to the normal display, with the days off indicator displayed. The thermostat will now control to the alternative heating program for the set number of days before resuming with the normal heating program. To cancel the DAY OFF mode or to exit the function at any time press the button a second time or move the slider switch to a different position. Adjusting the Time or buttons to adjust To adjust only the time during normal operation use the button again to confirm any changes. the time and press the green 11 FINE TUNING THE CM907 Changing the User Parameters The user mode allows you to modify some basic settings of the thermostat to meet your personal preferences. You can change the time display format (24hr or AM/PM), reset the heating program to the built-in settings and disable or enable the summer/ winter time change feature. To change any of these user's parameters: a.

Move the slider switch to the OFF position, then press and hold the approximately 5 seconds. button for approximately 5 seconds. button for DAY COPY DAY OFF DATE PROG AUTO MAN OFF CM907 1..6 b. Once entered the following information will be shown on the screen: 12 FINE TUNING THE CM907 c.

Now choose which one of the following parameters you would like to change: i) Change the time format or 'CLOCK SELECT' should be displayed on the screen - press the buttons to select the preferred time format (12=AM/PM format, 24=24hr format) and the display will flash, indicating a change has been made. To confirm this button. change press the green ii) Reset the built-in program to the factory default time button once. The display will show 'RESET PROGRAM'.

Press the or buttons to select the preferred setting (0=user program, Press the 1=factory program) and the display will flash, indicating a change has been button. made. To confirm this change press the green iii) Enable or disable summer/winter time change time button twice. The display will show 'AUTO CHANGE'. Press Press the or buttons to select the preferred setting (0=disabled/Off, 1=enabled/ the On) and the display will flash, indicating a change has been made.

To confirm button. this change press the green d. To exit the user mode move the slider switch to the AUTO, MAN or OFF position. 13 FAQ's & TROUBLESHOOTING How do I change the batteries on the CM907 when they run out? The thermostat constantly monitors the battery power level, which typically last for about 2 years before needing replaced. 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. 14 FAQ's & TROUBLESHOOTING Can I use my CM907 to control my air-conditioning system? Yes, if your system has been set up correctly you can use your thermostat to control the cooling.



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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. @@Refer to the Troubleshooting Guide on page 17. If you still need assistance after this call your installer. @@1. @@@@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. 16 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 CM907 has a blank LCD screen CM907 shows a flashing symbol on the LCD screen The CM907'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 CM907 and the boiler.

Call Installer Call Installer Remove and re-insert the batteries in the CM907. If the symbol does not clear itself in a few minutes call the installer CM907 not connected to boiler properly CM907 not set correctly for your system CM907 not set correctly for your system Fault in CM907 Heating switches ON or OFF too slowly or quickly Temperature swings between too hot and too cold. CM907 shows a flashing symbol on the LCD screen 17 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. Any adjustments above these settings will waste energy and cost you more money. If your heating system is a boiler with radiators, there will usually be only one programmable room thermostat to control the whole house. But you can have different temperatures in individual rooms by installing thermostatic radiator valves (TRVs) on individual radiators. If you don't have TRVs, you should choose a temperature that is reasonable for the whole house. 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. 18 42010943-703 R1 .



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