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You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL CM921. You'll find the answers to all your questions on the HONEYWELL CM921 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HONEYWELL CM921
User guide HONEYWELL CM921
Operating instructions HONEYWELL CM921
Instructions for use HONEYWELL CM921
Instruction manual HONEYWELL CM921

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Manual abstract:

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. Honeywell Control Systems Ltd. Arlington Business Park, Bracknell Berkshire RG12 1EB Technical Help Desk: 08457 678999 www.honeywelluk.com 42011077-103 R1 © 2006 Honeywell International Inc. CM921 - User Guide 1 day Wireless

Programmable Room Thermostat with LoT technology Optimum Start option is an advanced feature which ensures that the optimum temperature conditions are achieved at the required times (option set by your installer). Description Description The Honeywell CM921 is a 'wireless' programmable room thermostat designed to control your heating system efficiently, providing comfortable temperatures when you control your heating system efficiently, providing comfortable when you are at home and energy savings when you are away. With 'wireless' communication there is no need to be wired connection between the thermostat and boiler.

and boiler. The following instructions explain how to set up, program up, program and operate your Honeywell CM921 Programmable Room Thermostat. Features Features Wireless connection to the boiler allows you to mount the Chronotherm in your room without decor disruption Armchair programming feature lets you program your Chronotherm while resting comfortably in your armchair Ergonomic User Interface features an 'OK-button' making the CM921 very easy to use so you always stay in control.

LoT technology provides informative 'on-screen' feedback and assistance to the user. the user. Extra Large Extra (Liquid LCD (Liquid Crystal Display) Screen with Backlight provides LCD Large Crystal Display) Screen with Backlight provides added user friendliness and clearer viewing even in the dark. added user friendliness and clearer viewing dark. 6 independent temperature levels you set any 6 temperatures you 6 temperature levels per day lets 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 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'. Saving Time'. Daylight Part Number Built-in Memory holds the user program indefinitely so that it is never lost is never lost Built-in Memory holds the user program indefinitely so that it even if you remove the batteries. Honeywell Control Systems Ltd. Systems Ltd. Honeywell Control Arlington Business Park, Business Park, Arlington Bracknell Berkshire RG12 1EB Bracknell Berkshire RG12 1EB © 2006 Honeywell International Inc. © 2006 Honeywell International Inc. CM921 - User Guide CM921 - Guide 1 day Wireless Programmable Room Thermostat 1 day Programmable Room Thermostat with LoT with LoT technology technology Optimum Start option is an advanced feature which ensures that the optimum temperature conditions are achieved at the required times (option set by your installer).

Technical Help Desk: 08457 42011077-103 R1 Desk: 08457 678999 678999 www.honeywelluk.com www.honeywelluk.com Back Front DO NOT INCLUDE THIS PAGE IN THE PRINTING Description The Honeywell CM921 is a 'wireless' 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 set up, program and operate your Honeywell CM921 Programmable Room Thermostat. Features Wireless connection to the boiler allows you to mount the Chronotherm in your room without decor disruption Armchair programming feature lets you program your Chronotherm while resting comfortably in your armchair Ergonomic User Interface features an 'OK-button' making the CM921 very easy to use so you always stay in control. LoT technology provides informative 'on-screen' feedback and operational assistance to the user. 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.

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

42011077-103 R1 © 2006 Honeywell International Inc. CM921 - User Guide 1 day Wireless Programmable Room Thermostat with LoT technology Optimum Start option is an advanced feature which ensures that the optimum temperature conditions are achieved at the required times (option set by your installer). Controls Layout 1 2 3 4 5 6 Contents GETTING STARTED WITH THE CM921 7 8 STEP 1: Installing the Batteries ...

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.... 4 PROGRAMMING THE CM921 The Built-in Heating Program.

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

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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.

GETTING STARTED WITH THE CM921 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 b. Use the or buttons to set the correct day. When either of these buttons are pressed 'DAY OK?' will be displayed. Once the correct day is reached, press the green button to confirm. c. Now the month digits will start flashing and 'SET THE MONTH' will be displayed. Change the month and then the year using the or buttons, pressing the green button to save any changes made.

(If an invalid date has been entered you will be returned to the start of the date setting mode). d. After setting a valid date desired period (2 to 6) by moving the slider switch to the PROG position, then using the and 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 the period has been removed from the program. To enable time periods: Navigate to the disabled period by moving the slider switch to the PROG position, then using the and buttons.

Once selected 'DISABLED' will be displayed. Press and hold the button for at least 2 seconds and 'ENABLED' will be displayed for a moment before returning to normal programming mode. **OPERATING THE CM921** Choosing the Operating Mode The thermostat can operate in three different modes: Automatic, Manual or Off. To set the operating mode move the slider switch to the desired position. The screen indicates which mode is currently active by displaying AUTO, MAN or OFF.

· **AUTO (automatic) mode** Automatic mode sets the thermostat to follow the temperature program (default or personalised). Operating the thermostat in this mode is the best way to maintain a high level of temperature comfort whilst maximising your energy savings. · **MAN (manual) mode** Manual mode sets the thermostat to act as a simple thermostat with a fixed setpoint throughout the day. @@@@To set the Holiday function: a. Move the slider switch to the AUTO or MAN position. b. @@c. @@Press the or time buttons to set the holiday time (1 - 99 days). @@d. Press the green button to confirm the setting.

e. @@@@Press the green button to confirm the setting. @@@@To change any of these user's parameters: a. @@button for approximately 5 seconds. button for OFF DATE PROG AUTO MAN OFF CM921 1..6 b. Once entered the following information will be shown on the screen: 10 FINE **TUNING THE CM921** 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 change press the green button.

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, 1=factory program) and the display will flash, indicating a change has been made. To confirm this change press the green button. iii) Enable or disable summer/winter time change time button twice.

The display will show 'AUTO CHANGE'. Press the or buttons to select the preferred setting (0=disabled/Off, 1=enabled/ On) and the display will flash, indicating a change has been made. To confirm this change press the green button. d. To exit the user mode move the slider switch to the AUTO, MAN or OFF position.

11 12 Possible Cause Batteries not installed. 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. Replace with new batteries. Replace with new batteries. Troubleshooting Guide Remedy Symptom The thermostat has a blank LCD screen. Incorrect battery orientation. fAQ's & TROUBLESHOOTING Exhausted batteries. Batteries are exhausted and need replacing. The thermostat shows a flashing symbol on the LCD screen.

The thermostat's LCD display shows a symbol but the heating does not switch on. The heating is not required at this moment. The heat demand is sent to the HC60NG as a value between 0-100%. The HC60NG will adjust the boiler on time to meet this requirement. That is why the heating will be off sometimes even if the symbol is displayed. To check if RF system is communicating properly press the button to increase the set temperature a few degrees above the current temperature. The heating should come on after a few seconds. Remove and re-insert the batteries in the thermostat. If the symbol does not clear itself in a few minutes call the installer. The thermostat shows a flashing symbol on the LCD screen.



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Fault in thermostat Symptom No power to heating system. Program does not call for heat. Move the slider switch to MAN and press or to increase the temperature a few degrees above the current room temperature. The heating should come on after a few seconds. Call electrical installer to check the boiler and HC60NG power supply as well as the connection between the boiler and the HC60NG.

Hook the thermostat back on the wall bracket or replace the thermostat on the table stand in the position where RF communication was reliable. Call installer. NOTE: You can control the boiler manually when the RF communication is lost: Press the HC60NG push button to switch the boiler on and off. When the green LED is on the boiler is on. The thermostat not set correctly for your system.

The thermostat not set correctly for your system. Call Installer. Check that there is power to the heating system. Possible Cause Remedy The thermostat's LCD display works but the heating does not switch on (HC60NG LEDs are off or green one is on). Wrong electrical connection. The red LED on the HC60NG is constantly on or flashing. RF communication lost due to the wrong location of the thermostat. RF communication fault. Heating switches ON or OFF too slowly or quickly. fAq's & TRoubleshooTING Temperature swings between too hot and too cold.

Call Installer. 1 fAq's & TRoubleshooTING How do I change the batteries on the CM921 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. I want to use the table stand instead of wall mounted bracket.

Where can I position the room unit? It is important to keep the room unit in a location where reliable RF communication was proven. Advise your installer where would you like to position the room unit and he will check if the RF communication is reliable in the selected location(s). Important: The Room Unit measures the temperature of the room where it is located. It is important that the placement of the Room Unit within the room is away from; draughts, direct sunlight and other heat sources. As this is a wireless device certain objects could interfere with the RF signal - Leave at least 30cm distance from any metal objects (including wall boxes) and at least 1 metre from any other electrical equipment eg.

radio, TV, PC, etc. 1 fAq's & TRoubleshooTING How do I remove the thermostat from the table stand or wall bracket? After programming is finished always replace the thermostat back on the wall holder or table stand. Wall bracket Table stand HC60NG Relay Box Controls Layout Push button and relay status LED's What does it mean when the HC60NG relay box green LED is ON? Green LED indicates normal operation of the radio frequency system. When the green LED is ON the boiler is also ON. @@@@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 12:00 24°C 14:00 28°C 18:00 24°C 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. 1 WHAT IS A pRoGRAMMABle RoOm THERMoSTAT? ...

an explanation for householders (The following explanation applies to heating applications only) 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.



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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. 1 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.
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