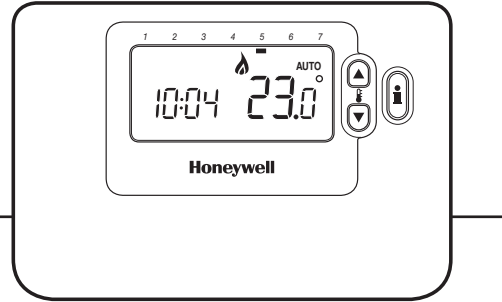


CM707 CM701

Installation Guide



The Honeywell CM700 (CM707 or CM701) is a modern programmable room thermostat based on Honeywell's proven programming philosophy. To further improve the ease of use, this product includes a large LCD display with backlighting to assist customers during daily use.

Please follow the illustrations below to install the thermostat correctly.



4 Mount the backplate to wall

M3.5
N°6

3mm max.
7mm max.

5 Connect the wiring correctly

1.0-2.5mm²
6mm max.

6 Attach the cover to backplate

90°

7 Install the batteries (included)

8 Attach the instruction label to flap

1 Find a suitable location for mounting

1,50m

2 Remove from packaging

3 Typical wiring connections

Basic Boiler
24-230V~ 50-60Hz <5A

Combi Boiler
24-230V~ 50-60Hz <5A

Zone Valve
230V~ 50-60Hz <5A

Zone Valve
230V~ 50-60Hz <5A

Electric Actuator
24-230V~ 50-60Hz <5A

Cover Removal

CM707/701 - INSTALLATION GUIDE

You have now installed the Programmable Thermostat. For gas boiler applications, the factory system settings will not need to be changed (for other applications see below). You can now use the **USER GUIDE** to program the unit and demonstrate how it works to the homeowner.

Using the Programmable Thermostat for Specific Applications

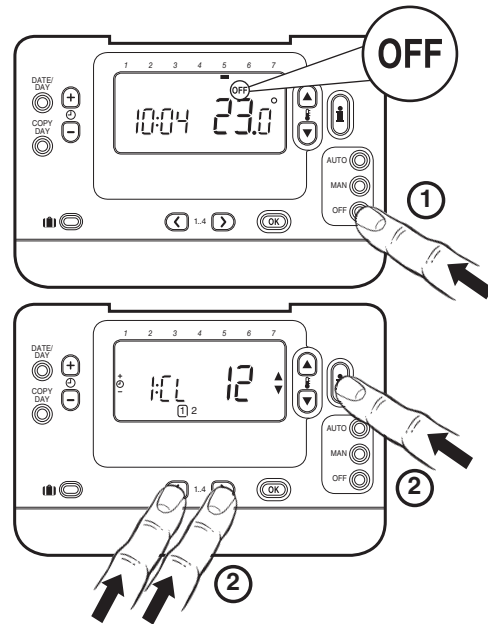
Application	Settings		What to change
	Cycle /Hour	Minimum ON time	
			Note: All parameters listed below belong to category 2 – system parameters (see Installer Parameter Table)
Gas Boiler (<30kW)	6	1	No changes required
Oil Boiler	3	4	Set 1:Ot parameter to 4 Set 2:Cr parameter to 3
Thermal Actuator	12	1	Set 2:Cr parameter to 12
Zone Valve	6	1	No changes required
Electric Heating (resistive load 3-5A)	12	1	Set 2:Cr parameter to 12

Using the Special Features of the Thermostat

Special Feature	Description	Enable/Disable this feature
Summer/Winter Auto time change	This feature moves time automatically on the last Sunday of March and the last Sunday of October. The feature is factory enabled.	To enable: Set parameter 3: tC (category 1) to 1.
Optimisation (Variable Start Time)	The thermostat will adjust the start time in the morning/afternoon so the desired temperature is reached by the start of the program period. The system will restrict the start time to a max of 2 hours.	To enable: Set parameter 8: OP (category 1) to 1.
Scheduled Maintenance Alert Period	If the installation requires scheduled maintenance and the user needs to be reminded that the service is due the parameter value can be set to the required number of months (1-48). When the preset period expires the CM701/CM707 will display the 'SERVICE' icon.	Set parameter 19 to the required value to enable maintenance alert. Value set to zero disables the function.

Entering the Installer Mode

1. Press the **OFF** button.
2. Press and hold the **OFF** button and the two **PROGRAM** buttons together.
3. The unit will display the first parameter of installer parameter group category 1 (from Parameter No. 1 to 20).
4. Press the **▲** or **▼** button to change the factory setting. The display will flash indicating that a change has been made.
5. Press the green **OK** button to confirm the change. The display will stop flashing.
6. Press the **⏪** button to go to the next parameter.
7. Press the **PROGRAM** button to go to Installer parameter group category 2 (from Parameter No. 1 to 5).
8. To exit installer mode, press the **AUTO**, **MAN** or **OFF** button.



Installer Parameters Table

Parameter	Parameter No.	Factory Default Settings		Optional Settings	
		Display	Description	Display	Description
Category 1 Parameters - Programmable Thermostat Settings					
AM-PM / 24hr Display	1:CL	12	12 hr – AM/PM clock display format	24	24 hr clock display format
Reset Time/ Temp Program	2:rP	1	Time / Temp profile set to factory default Changes to 0 when one of the time/temp profiles are changed	0 1	Time / Temperature are as programmed To restore the factory profile set to 1
Auto Summer/Winter Time Change	3:tC	1	Auto Summer/Winter Time Change enabled	0	Auto Summer/Winter Time Change disabled
LCD Backlight	5:bL	1	Backlight enabled	0	Backlight disabled
Upper Temp Limit	6:UL	35	5°C Lower Temp. Limit	21-34	21°C to 34°C adjustment in 1°C steps
Lower Temp Limit	7:LL	5	No temperature offset	6-20	6°C to 21°C adjustment in 1°C steps
Optimisation	8:Op	0	Optimisation disabled	1	Optimisation enabled
Temperature Offset	12:tO	0	Proportional band of 1.5 degree	-3 to +3	-3°C to +3°C adjustment in 0.1°C steps
Proportional Band Width	13:Pb	1.5	All settings at factory defaults.	1.6 to 3.0	1.6°C to 3.0°C adjustment in 0.1°C steps
Scheduled Maintenance Alert Period (months)	19:SP	0	Scheduled Maintenance Alert Period disabled	0 to 48	0 to 48 months adjustment in 1 month steps
Reset Parameters to Factory Defaults	20:FS	1	Changes to 0 when one of the parameter is changed	0 1	Settings are as modified above To restore the factory profile set to 1
Category 2 Parameters - System Settings (press PROGRAM to access this category)					
Minimum boiler ON time	1:Ot	1	1 minute minimum ON time	2 to 5	Selection of 2, 3, 4 or 5 minutes minimum ON time
Cycle Rate	2:Cr	6	6 cycles per hour (cph)	3,9,12	Selection of 3, 9 or 12 cph
Pump Exercise	5:PE	0	Pump exercise disabled	1	Pump exercise enabled

Notes: Always remember to press the green **OK** button to confirm that you want to store the new Installer Set-Up setting. To exit the Installer Set-Up Mode press the **AUTO** or **MAN** button.

System Commissioning

To enter the diagnostic mode press the **OFF** button then press and hold the **OFF** button for 5 sec. The unit will enter the user settings mode. Next press and hold the **OFF** and **⏪** buttons together. The unit will hold the relay on for 5 minutes and the following information will be available on the display: model ID, date code (WW/YY) and checksum. To view this info press the **▲** or **▼** button.

"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."

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