



home FMC 2000 Wireless Controller for RAE Systems Instruction Manual

[Home](#) » [home](#) » home FMC 2000 Wireless Controller for RAE Systems Instruction Manual 

Contents

- [1 home FMC 2000 Wireless Controller for RAE Systems](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 OVERVIEW](#)
- [5 PARTS Description](#)
- [6 MICA CONVECTOR WITH REMOTE CONTROL](#)
- [7 COMMISSIONING](#)
- [8 CLEANING, MAINTENANCE](#)
- [9 TROUBLESHOOTING](#)
- [10 FEATURES](#)
- [11 OPERATION](#)
- [12 TECHNICAL SPECIFICATION](#)
- [13 Documents / Resources](#)
 - [13.1 References](#)
- [14 Related Posts](#)



home FMC 2000 Wireless Controller for RAE Systems



Product Information

The FMC 2000 is a MICA convector with a remote control. It is designed to provide heating in a room. The product consists of various parts including wheels, wheel brackets, heater body with MICA panels, cable holder with mains connection cable, protective grid, main switch, remote controller, power button (ON/OFF), off timer (Timer), select heating level, set temperature (Temp), remote control receiver window, switch-off timer active indicator, thermostat mode indicator, under current indicator light, remaining operating time in hours (H), low heating level indicator, and high heating level indicator.

Product Usage Instructions

1. Ensure that the product is placed in a dry and cool place.
2. Connect the mains connection cable to the power source.
3. Turn on the main switch to activate the convector.
4. Use the remote controller to control the product.
5. Press the power button (ON/OFF) to turn the convector on or off.
6. Set the desired temperature using the set temperature (Temp) function.
7. Choose the heating level by selecting the appropriate option on the product.
8. Use the off-timer (Timer) function to schedule the automatic shutdown of the convector.
9. Monitor the remaining operating time in hours (H) to know when the convector will automatically turn off.
10. Check the low heating level indicator and high heating level indicator to determine the current heating level.
11. If you notice any irregularities such as unusual noise or burning smell, immediately turn off the convector and unplug it from the power source. Contact a professional for assistance.
12. Ensure that the power is switched off before moving the convector.
13. When replacing batteries for the remote controller, make sure to follow the correct polarity and use batteries of the same brand and charge level.
14. After replacing the batteries, securely close the battery compartment.

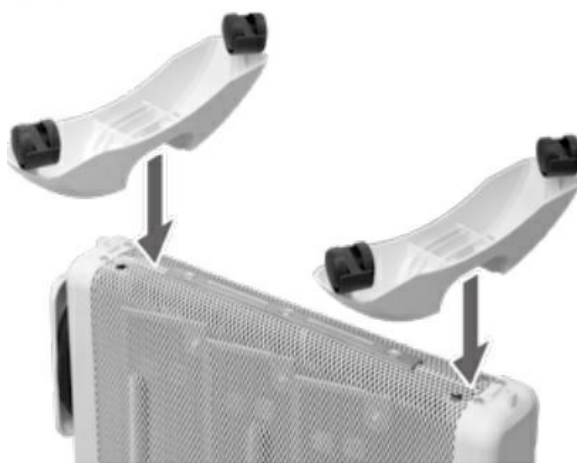
15. If the product is not going to be used for a longer period, remove the batteries from the remote controller.

16. In case of any battery leakage, clean the battery compartment with a dry cloth.

- For additional safety instructions and important information, please refer to the instruction manual provided with the product.
- This product is suitable for heating only well-insulated spaces or for occasional use!

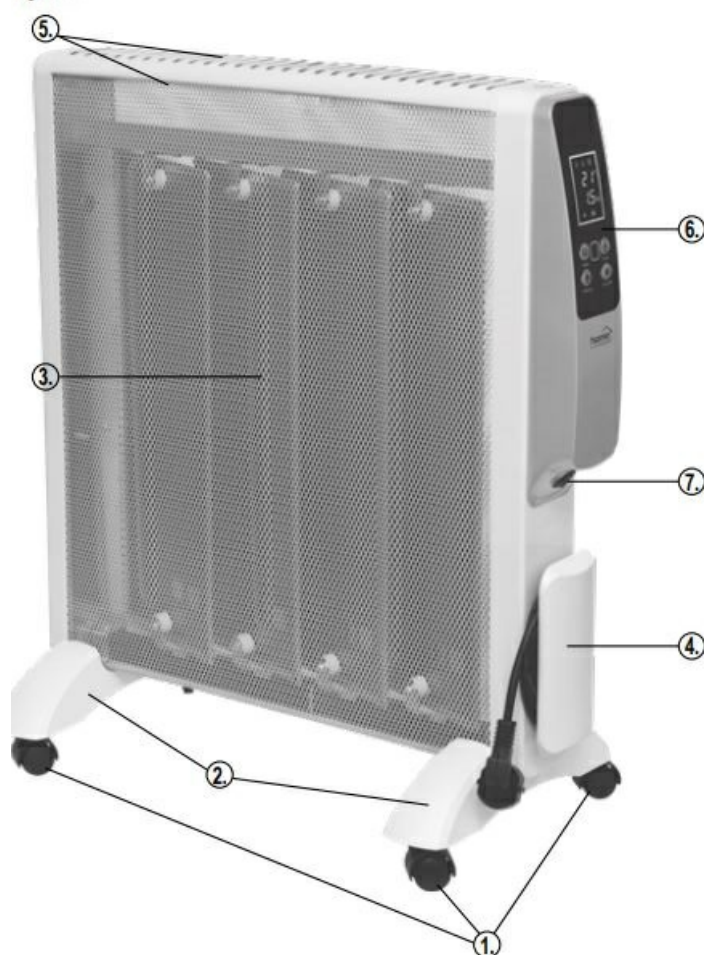
OVERVIEW

figure 1.



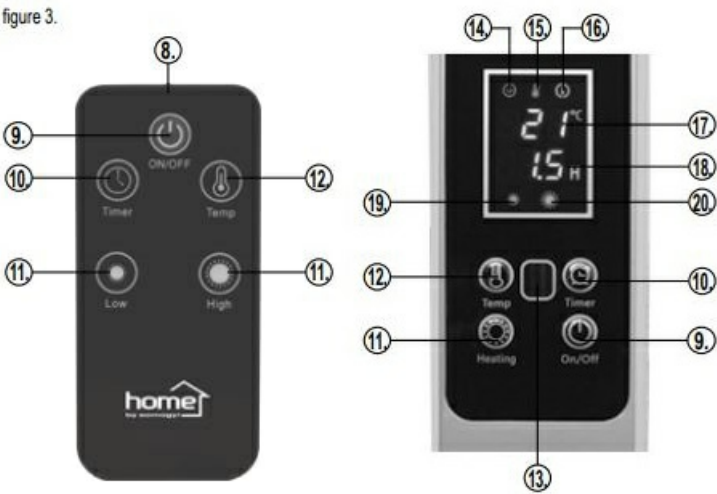
PARTS Description

figure 2.



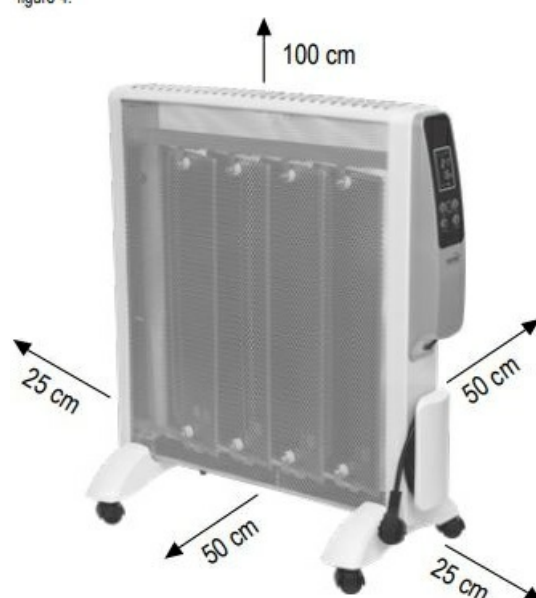
	STRUCTURE (Figure 2.)
1.	wheels
2.	wheel brackets
3.	heater body with MICA panels
4.	cable holder with mains connection cable
5.	protective grid
6.	control panel and display
7.	main switch

figure 3.



	STRUCTURE (Figure 3.)
8.	remote controller
9.	power button (ON/OFF)
10.	off timer (Timer)
11.	select heating level
12.	set temperature (Temp)
13.	remote control receiver window
14.	switch-off timer active indicator
15.	thermostat mode indicator
16.	“under current” indicator light
17.	temperature display °C
18.	remaining operating time in hours (H)
19.	low heating level indicator
20.	high heating level indicator

figure 4.



MICA CONVECTOR WITH REMOTE CONTROL

IMPORTANT SAFETY INSTRUCTIONS READ THE INSTRUCTION MANUAL CAREFULLY BEFORE USE AND RETAIN IT FOR LATER REFERENCE!

WARNINGS

1. Before use of the product, please read this instructions manual and keep it for future reference. The original document was prepared in Hungarian language.
2. Children under 3 years of age shall be kept away from the appliance unless they are under constant supervision. Children over 3 years of age and under 8 years of age should only be allowed to switch the appliance on/off provided that it is placed and installed in its normal operating position, and that they are supervised or instructed in the safe use of the appliance and understand the hazards of use.
3. This appliance can be used by children aged 8 years or above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, provided that they are supervised or have been given instructions concerning the safe use of the appliance and understand the hazards involved. Children may not play with the appliance. Children may perform the cleaning or user maintenance of the appliance subject to supervision. ATTENTION: Some parts of this appliance may become very hot and cause burns. Particular care should be taken when children and vulnerable people are present!
4. Make sure that the appliance was not damaged during shipping.
5. Do not use the appliance if it has been dropped!
6. Do not use the appliance if there is visible damage!
7. The appliance should only be used with the wheels on to ensure that cold air can flow underneath the appliance!
8. Do not place in a corner, observe the minimum positioning clearances shown in Figure 4. Observe the requirements effective in the country of use.
9. The appliance is intended to be used for air heating only, not for general heating purposes.
10. Do not direct the hot air exhaust directly at curtains or other combustible materials!
11. Do not place near flammable materials. (at least 100 cm)
12. Do not use the appliance in environments where flammable vapours or explosive dust may be released. Do not use in an inflammable or explosive atmosphere.
13. DO NOT use the appliance near a bathtub, washbasin, shower, swimming pool or sauna.
14. Use it only under dry, indoor conditions. Protect it from humid environments (e.g. bathroom, swimming pool).
15. It is forbidden to mount the unit directly below a power socket!
16. Operate the appliance under constant supervision at all times.
17. Do not operate the appliance near children without supervision.
18. Do not use the appliance in motor vehicles or confined spaces (< 5 m²) (e.g. elevators).
19. If you are not going to use the appliance for an extended period, turn it off and unplug the power cord. Store in a dry, cool place.
20. Always switch off the power before moving the heater!
21. If you notice any irregularities (such as unusual noise from the appliance or burning smell), switch off and unplug the appliance immediately.
22. Make sure that no objects or liquids can enter the appliance through the openings.
23. Protect from dust, moisture, sunlight and direct heat.
24. Before cleaning, disconnect the appliance from the power supply by pulling out the plug.
25. Never touch the appliance or the power cord with wet hands.
26. Only connect to earthed wall socket with 230V~ / 50Hz rated supply voltage.
27. Always fully unroll the supply cable.
28. Do not run the power cord across the appliance or near air inlets and outlets!

29. Do not run the power supply cable under a carpet, door mat, etc.
30. Do not use an extension cord or splitter to connect the appliance to the mains.
31. Keep the appliance in a place, where the power supply plug can be easily reached and unplugged.
32. Run the power supply cable so that it cannot be accidentally disconnected, and it does not create a risk of stumbling.
33. Battery replacement must be performed by an adult!
34. Ensure that the polarity is correct when placing in the batteries.
35. Do not use batteries of different brands and/or levels of charge together.
36. After replacing the batteries, put the lid on the battery compartment.
37. If the device is not used for a longer period, remove the batteries.
38. If any fluids have leaked from the batteries, clean the battery compartment with a dry cloth wearing protective gloves.
39. Remove any depleted batteries right away.
40. **Caution!** Incorrect battery replacement can cause explosion hazard. Only use equivalent, or interchangeable batteries for replacement.
41. Do not expose batteries to direct heat or sunlight. Never open, place into fire or short circuit the batteries.
42. Never charge non-rechargeable batteries. Explosion hazard!
43. Do not replace the battery with a rechargeable battery, as the voltage and efficiency are lower!
44. Do not weld or solder anything directly to the batteries!
45. Store unused batteries in their original packaging and away from metal objects.
46. Do not mix together the already unpackaged batteries.
47. Due to continuous developments, technical specifications and design may change without prior notice.
48. The most recent instructions manual is available for download from the www.somogyi.hu website.
49. However we regret such inconvenience, we do not take any responsibility for possible printing errors.
50. The product is designed for household, not for industrial use.

- DO NOT COVER! COVERING THE UNIT CAN CAUSE OVERHEATING, FIRE OR ELECTRIC SHOCK.
- **Caution:** Risk of electric shock! Do not attempt to disassemble or modify the unit or its accessories. In case any part is damaged, immediately power off the unit and seek the assistance of a specialist.
- In the event that the power cable should become damaged, it should be serviced by a service facility or similarly qualified personnel.
- THE REMOTE CONTROL IS NOT A TOY. KEEP OUT OF REACH OF CHILDREN. THIS PRODUCT INCLUDES A BUTTON BATTERY. IT IS FORBIDDEN TO SWALLOW THE BATTERY, RISK OF CHEMICAL BURN. IN CASE OF INGESTION, IT MAY CAUSE STRONG INTERNAL BURN WITHIN 2 HOURS AND MAY LEAD TO DEATH. KEEP THE NEW AND USED BATTERIES OUT OF REACH OF CHILDREN. IF THE COVER OF THE BATTERY COMPARTMENT CANNOT GET CLOSED SECURELY, DO NOT CONTINUE TO USE THE PRODUCT AND KEEP IT AWAY FROM CHILDREN. IF YOU THINK THAT A BATTERY HAS BEEN SWALLOWED OR GOT INTO ANY BODY PARTS, SEEK MEDICAL ATTENTION IMMEDIATELY.

COMMISSIONING

1. Before installation, carefully remove packaging, and make sure not to damage the unit or the power cord. If you find any damage, the unit must not be operated!

2. Take out the unit from the box.
3. Firmly press the axles of the supplied wheels into the holes in the wheel brackets.
4. Screw the two wheel brackets to the bottom of the heater body, using 2 screws per bracket.(Figure 1)
5. Set the device on its wheels on a solid, level surface. Caution! The appliance must only be operated with the wheels fitted in their place!
6. To ensure proper operation, you have to arrange for the free circulation of hot air. Therefore, please, observe the minimum clearances indicated in Figure 4.
7. Make sure that the main switch of the appliance is in the off '0' position.
8. Plug the unit into a standard grounded wall socket. Now the unit is ready for operation!

CLEANING, MAINTENANCE

In order to ensure optimum functioning, the unit may require cleaning at least once a month, depending on the manner of use and degree of contamination.

1. Before cleaning, turn off the appliance and disconnect it from the power supply by pulling out the plug.
2. Let the device cool down (min. 30 minutes).
3. Use a vacuum cleaner with a brush head to clean the casing and the protective grids of the appliance.
4. Clean the outside of the appliance with a slightly damp cloth. Do not use aggressive cleaning agents! Do not let water leak inside the appliance or spill on electrical components.

TROUBLESHOOTING

Cause	Solution
The unit is not working in the heating stages.	Check the thermostat settings
	The overheating protection has been activated.
The overheating protection activates frequently	Clean the appliance

DISPOSAL

- Waste equipment must be collected and disposed of separately from household waste because it may contain components hazardous to the environment or health. Used or waste equipment may be dropped off free of charge at the point of sale, or at any distributor which sells equipment of identical nature and function.
- Dispose of products at a facility specializing in the collection of electronic waste. By doing so, you will protect the environment as well as the health of others and yourself.
- If you have any questions, contact the local waste management organization. We shall undertake the tasks pertinent to the manufacturer as prescribed in the relevant regulations and shall bear any associated costs arising.

DISPOSING OF ALKALINE AND RECHARGEABLE BATTERIES

- Batteries, whether alkaline or rechargeable, must not be handled together with regular household waste.

- It is the legal obligation of the product's user to dispose of batteries at a nearby collection center or at a retail shop.
- This ensures that the batteries are ultimately neutralized in an environment-friendly way.

FEATURES

- MICA is the group name for plate-silicate minerals. One of their most notable features is their extremely perfect split and shiny surface.
- As they are electrically insulating and heat-resistant, they can be used as a support for heating filaments in heating appliances.
- MICA minerals have a high thermal inertia and a high ratio of infrared emission.
- The appliance thus provides a pleasant radiant heat.
- MICA convector heater for indoor air heating
- heats up quickly
- high radiant heat ratio
- 2 heating levels: 1000 W / 2000 W
- with digital
- thermostat 18–30°C
- 12-hour off timer (0.5-hour units)
- controlled by electronic push buttons and remote control
- quiet operation
- switches
- off in case of overheating and overturning
- easy to roll on wheels
- with cable holder

OPERATION

- After commissioning the appliance as described in the COMMISSIONING section, switch it on by turning the main switch (7) to the "I" position. The unit will beep, and the display will show the "under current" indicator light (16).
- Switch on the appliance by pressing the ON/OFF button on the remote control or the control panel. The display shows the room temperature at °C and the appliance operates on a low heating level.
- Use the Low and High buttons on the remote control or the Heating button on the control panel to change the heating levels. The low heating level (1000W) is confirmed by symbol 19, and the high level (2000 W) by symbol 20.
- Each touch of the power-off Timer button on the remote control or control panel increases the remaining operating time by 0.5 hours (00.0 – 12.0 hours).
- The active shutdown timer is confirmed by the symbol 14 on the control panel and the remaining operating time display (18).

The Temp button allows you to set the desired room temperature:


- for low heating level (1000 W) 18–24°C, in +1°C increments

- for high heating level (2000 W) 25–30°C, in +1°C increments
- For both levels, if the temperature is set to 00, the thermostat mode is switched off and the appliance will operate continuously at the current heating level.
- If the desired temperature is at least 2°C higher than the current room temperature, the current heating level is activated. As soon as the room temperature exceeds the thermostat setting by 1°C, the heating is switched off.
- To switch off the device, press the ON/OFF button or turn the main switch to position 0.
- Overheating protection serves to switch off the device in the event of overheating, e.g. if the appliance is covered. Disconnect the device by pulling out the mains plug. Let the device cool down (min. 30 minutes). Check if the air inlet and outlet are unblocked; clean them if necessary. Turn on the device again. If the overheat protection keeps activating, disconnect the device by pulling out the mains plug and contact an authorized service shop.
- The appliance switches off automatically if it is overturned. In this case, disconnect the appliance by pulling out its mains plug, place it upright on its stand and then put it back into operation as described in the COMMISSIONING section.
- The product will forget all settings after switching off.







TECHNICAL SPECIFICATION

- **power supply:**..... 220-240 V~ 50/60 Hz
- **output:**..... 1000 W / 2000 W
- **contact protection rating:**..... I.
- **IP protection:**..... IP20: The device is not protected against ingress of water.
- **heater dimensions:**..... 540 x 620 x 265 (80) mm
- **remote controller power supply:**..... 1 x 3 V (CR2025) button cell
- **Distributeur: S.C. SOMOGYI ELEKTRONIC S.R.L.**
- **J12/2014/13.06.2006 C.U.I.: RO 18761195**
- **Cluj-Napoca, județul Cluj, România, Str. Prof. Dr. Gheorghe Marinescu, nr. 2, Cod poștal: 400337**
- **Tel.: +40 264 406 488, Fax: +40 264 406 489**
- www.somogyi.ro
- **Producător: Somogyi Elektronik Kft**

Documents / Resources

	<p>home FMC 2000 Wireless Controller for RAE Systems [pdf] Instruction Manual FMC 2000 Wireless Controller for RAE Systems, FMC 2000, Wireless Controller for RAE Systems, Controller for RAE Systems, RAE Systems</p>
-------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

References

-  [Digitalis d.o.o.](#)
-  [Elementa d.o.o.](#)
-  [Somogyi Elektronik Kft.](#)
-  [Somogyi Elektronik S.R.L.](#)
-  [Somogyi Elektronik Slovensko s.r.o..](#)
-  [Zed d.o.o.](#)
- [User Manual](#)