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## HJM OPTIMA1500WIFI E/P

# HJM OPTIMA 1500 Ceramic WiFi Low Consumption Thermal Emitter Instruction Manual

Model: OPTIMA1500WIFI E/P

|                               |                           |                         |                                 |
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## 1. INTRODUCTION

Thank you for choosing the HJM OPTIMA 1500 Ceramic WiFi Low Consumption Thermal Emitter. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new heating device. Please read it thoroughly before use and retain it for future reference.

The HJM OPTIMA 1500 is designed for efficient heating with advanced features such as WiFi connectivity, 24/7 programming, and compatibility with smart home systems like Amazon Echo and Google Home. Its ceramic blocks provide high thermal inertia, ensuring consistent and comfortable warmth.



Figure 1: HJM OPTIMA 1500 Thermal Emitter showcasing WiFi, voice control, and presence detection capabilities.

## 2. SAFETY INFORMATION

**WARNING: Failure to follow these safety instructions may result in fire, electric shock, or injury.**

- Read all instructions before installing or using this appliance.
- Do not operate any heater with a damaged cord or plug, or after the heater malfunctions or has been dropped or damaged in any manner.
- Do not use outdoors. This heater is intended for indoor use only.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic area and where it will not be tripped over.
- To disconnect heater, turn controls to OFF, then remove plug from outlet.
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
- To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.
- A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable liquids are used or stored.
- Use this heater only as described in this manual. Any other use not recommended by the

manufacturer may cause fire, electric shock, or injury to persons.

- Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The appliance must be installed so that the switches and other controls cannot be touched by a person in the bath or shower.
- **Child Lock:** This device includes a child lock feature to prevent accidental changes to settings. Refer to the Operating Instructions for activation.

### 3. PACKAGE CONTENTS

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Carefully unpack the box and ensure all items are present and undamaged. If any items are missing or damaged, contact your retailer immediately.

- HJM OPTIMA 1500 Ceramic WiFi Thermal Emitter
- Wall mounting brackets (2x)
- Fixing screws and wall plugs (4x)
- Screwdriver (for installation)
- Instruction Manual (this document)



Figure 2: Typical mounting kit components included with the thermal emitter.

### 4. SETUP & INSTALLATION

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#### 4.1 Wall Mounting

The HJM OPTIMA 1500 is designed for wall mounting. Ensure the installation location is suitable, away from flammable materials, and has adequate clearance for air circulation.

1. **Choose Location:** Select a wall location that is clear of obstructions and allows for proper heat distribution. Ensure there is a power outlet nearby.
2. **Mark Drilling Points:** Use the provided wall mounting brackets as a template. Mark the drilling points on the wall. Ensure the marks are level.
3. **Drill Holes:** Drill holes at the marked points using an appropriate drill bit for your wall type. Insert the wall plugs.
4. **Attach Brackets:** Secure the wall mounting brackets to the wall using the provided screws.
5. **Mount Emitter:** Carefully lift the thermal emitter and align its rear slots with the wall mounting brackets. Gently lower the emitter onto the brackets until it clicks securely into place.
6. **Secure Emitter:** Use the small clips (if provided) to further secure the emitter to the brackets, preventing accidental dislodgement.

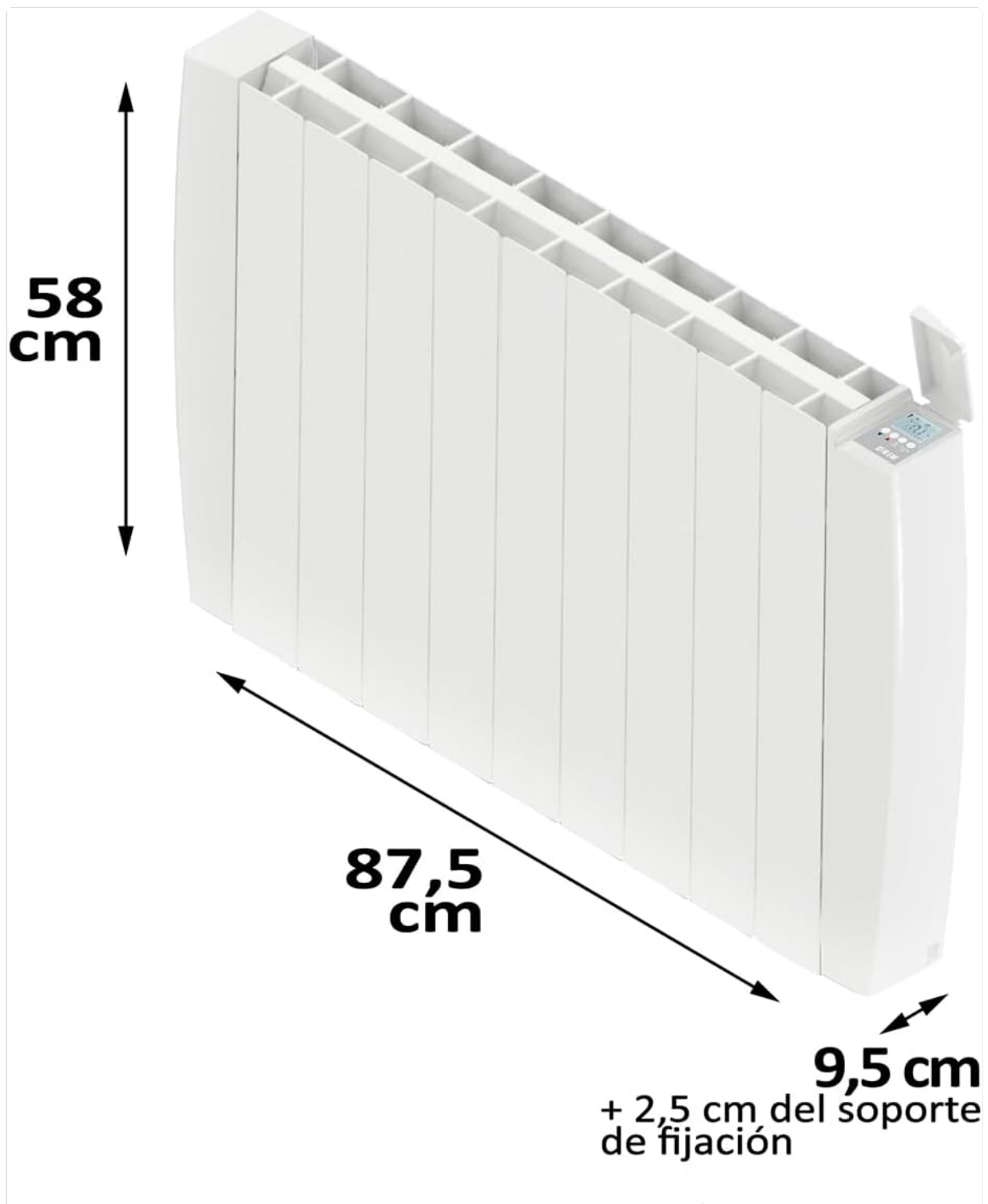


Figure 3: Product dimensions for installation planning.

## 4.2 Initial Power-On and WiFi Connection

1. **Plug In:** Once securely mounted, plug the thermal emitter into a suitable electrical outlet.
2. **Power On:** The digital display will illuminate. Follow the on-screen prompts for initial setup.
3. **Download App:** Download the HJM smart home application (e.g., "OPTIMA" app) from your smartphone's app store (available for iOS and Android).
4. **Pair Device:** Open the app and follow the instructions to add a new device. The app will guide you through connecting the emitter to your home WiFi network. Ensure your WiFi network is 2.4GHz.
5. **Voice Assistant Integration:** If desired, link your HJM account with Amazon Alexa or Google Home through their respective apps to enable voice control.



Figure 4: The HJM OPTIMA smart home application for controlling your thermal emitter.

## 5. OPERATING INSTRUCTIONS

### 5.1 Control Panel Overview

The thermal emitter features a digital display and control buttons for direct operation. Refer to the diagram in the manual for button identification.

### 5.2 Operating Modes

The HJM OPTIMA 1500 offers several operating modes to suit your heating needs:

- **COMFORT Mode:** Maintains a comfortable set temperature.
- **ECO Mode:** Operates at a reduced temperature to save energy.
- **ANTI-FREEZE Mode:** Prevents the room temperature from dropping below a critical level (e.g., 5°C) to protect against freezing.
- **TURBO Mode:** Provides maximum heating power for a limited time to quickly reach the desired temperature.
- **AUTO Mode:** Follows the programmed schedule.
- **MANUAL Mode:** Allows you to set a desired temperature manually, overriding any programming.
- **OFF Mode:** Turns the heating function off.

### 5.3 24/7 Programming

Utilize the 24/7 programming feature to set custom heating schedules for each day of the week. This can be done directly on the device's control panel or more conveniently via the HJM smart home app.

- Access the programming menu on the device or through the app.
- Select the day(s) and time slots for your desired heating modes (COMFORT, ECO, ANTI-FREEZE).
- Save your schedule. The device will automatically switch between modes according to your settings.

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Figure 5: Choose between manual configuration or control via your smartphone app for optimal consumption.

#### **5.4 Smart Features (WiFi, App, Voice Control, Geolocation)**

- **Remote Control via App:**

The HJM smart home app allows you to control your thermal emitter from anywhere. You can:

- Turn the emitter on or off.
- Adjust the temperature.
- Activate Turbo mode.
- Manage 24/7 programming.
- Control multiple HJM devices across different rooms or floors (up to 30 devices).



Figure 6: Control your thermal emitter remotely via the app to avoid unnecessary electricity costs.

- **Voice Control:**

Integrate with Amazon Echo or Google Home for hands-free control. Use simple voice commands to adjust settings (e.g., "Alexa, set living room temperature to 22 degrees").

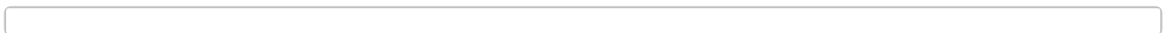


Figure 7: Voice control integration for convenient temperature adjustments.

- **GPS Geolocation:**

The geolocation feature allows the emitter to adjust its operation based on your proximity to home, further optimizing energy consumption.

- **Presence Detector:**

The integrated presence detector can automatically adjust heating based on room occupancy, enhancing energy efficiency.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your HJM OPTIMA 1500 thermal emitter.

## 6.1 Cleaning

- Always disconnect the power supply before cleaning.
- Wipe the exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- Ensure no water enters the internal components.
- Periodically vacuum the air intake and exhaust vents to remove dust and debris, ensuring proper airflow.

## 6.2 Storage

If storing the emitter for an extended period, ensure it is clean and dry. Store it in a cool, dry place, preferably in its original packaging, to protect it from dust and damage.

## 7. TROUBLESHOOTING

If you encounter issues with your HJM OPTIMA 1500, refer to the following common problems and solutions:

| Problem                   | Possible Cause   | Solution   |
|---------------------------|--|--|
| Emitter does not turn on. | No power supply.<br>Device is in OFF mode.   | Check if the power cord is securely plugged in.<br>Ensure the wall outlet is functional.<br>Switch the device to a heating mode (COMFORT, ECO, AUTO, MANUAL).    |
| No heat output.           | Temperature setting is too low.<br>Anti-freeze mode is active.<br>Child lock is engaged.                                 | Increase the set temperature.<br>Switch to a different operating mode.<br>Deactivate child lock (refer to operating instructions).                               |
| WiFi connection fails.    | Incorrect WiFi password.<br>Router is too far or signal is weak.<br>Incompatible WiFi frequency (only 2.4GHz supported). | Verify WiFi password.<br>Move the emitter closer to the router or use a WiFi extender.<br>Ensure your router is broadcasting a 2.4GHz network and connect to it. |
| App control not working.  | No internet connection on phone or emitter.<br>App not updated.<br>Device not paired correctly.                          | Check internet connectivity.<br>Update the HJM app to the latest version.<br>Re-pair the device with the app following the setup instructions.                   |

If the problem persists after trying these solutions, please contact HJM customer support.

## 8. SPECIFICATIONS

| Feature                        | Detail   |
|--------------------------------|--|
| Brand                          | HJM  |
| Model Number                   | OPTIMA1500WIFI E/P   |
| Power                          | 1500 Watts   |
| Color                          | White  |
| Product Dimensions (D x W x H) | 12 cm x 87.5 cm x 58 cm  |
| Product Weight                 | 21.5 kg  |
| Mounting Type                  | Wall Mount   |
| Special Features               | Child Lock, WiFi Enabled, Low Consumption, Digital Display, Programmable Thermostat, GPS Geolocation, Presence Detector, Compatible with Amazon Echo & Google Home |
| Heating Method                 | Radiant (Ceramic Blocks)   |
| Recommended Use                | Indoor, Home   |

## 9. WARRANTY & SUPPORT

HJM products are manufactured to high-quality standards and are guaranteed against manufacturing defects. Please refer to the warranty card included with your product or visit the official HJM website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or spare parts, please contact HJM customer service:

- **Website:** [www.hjm.es](http://www.hjm.es) (or relevant regional website)
- **Email:** Refer to the website for contact information.
- **Phone:** Refer to the website for contact information.

When contacting support, please have your product model number (OPTIMA1500WIFI E/P) and purchase date available.