



# Wall Heater

☐ 120V    ☐ 240V



## INSTALLATION & USER MANUAL

Please read and save manual.

Thank you for purchasing this **INFANDY** product.

Please read manual carefully before attempting to install, operate, or service the products. Failure to follow the instructions may result in personal injury or property damage.

Please retain this manual for future reference.

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# **| Safety Considerations**

## **⚠ WARNING**

To reduce the risk of fire, electric shock or personal injury, please observe the following:

- Please use this equipment in the manner prescribed by the manufacturer. If you have any questions, please contact the manufacturer.
- Installation work and electrical wiring must be completed by qualified personnel in accordance with all applicable codes and standards, including fireproof construction.
- When cutting or drilling, do not damage wires or other hidden facilities.
- Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting mains to prevent power from being switched on accidentally. When the service disconnecting mains cannot be locked securely, fasten a prominent warning device, such as a tag, to the service panel.
- Do not set the power supply in a wet place or electric shock can occur.
- Do not disassemble the unit for reconstruction. It may cause fire or electric shock.
- This heater is hot when in use. To avoid burns, do not touch hot surfaces. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, etc. and curtains at least 3 feet (0.9m) from the front of the heater.
- Extreme caution is necessary when any heater is used by or near children and whenever the heater is left operating unattended.
- Do not operate any heater after it malfunctions. Disconnect power at service panel and have heater inspected by a professional electrician before reusing.
- Do not use outdoors. Do not use heaters for drying.
- Paint, plaster, sawdust and drywall sanding dust must be kept out of heater.
- 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.
- The heater has heat generating and arcing or sparking parts inside. Do not use where petrol, paint or flammable vapors or liquids are used or stored.
- Use this heater only as described in this manual. Any use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- To avoid electric shock: Do not install the unit in a bathtub or in any place where it may come into direct contact with water.
- Do not connect the heater to dimmer switch or speed control.
- Do not install the heater upside down or sideways.
- Provide a separate circuit for this heater as instructed in the “Wiring” section.
- This product must be grounded.
- This product is equipped with an intelligent temperature sensing device that activates automatically. Turn off the power at the service entrance before cleaning or servicing.
- This heater is equipped with an over-temperature protection feature that warns if the component temperature becomes too high. If the display panel shows an “F2” error code, turn the heater off immediately and check for objects on or near the heater that could cause high temperatures.
- The WH1500 cannot be ceiling mounted.
- The WH1500 cannot be mounted on a wall rated as a “firewall”.

### **⚠ WARNING:**

Connecting the heater to a higher voltage than it is rated for will damage the heater and may start a fire. If connected to a voltage lower than the voltage on the heater’s rating label, the heater will not heat properly.

**!!! Please use the appropriate voltage for the model you purchased, never use the wrong voltage!**



# Unpacking

Carefully open the package containing the wall heater. Check that all items are included and undamaged.



Wall Heater X1



Twist Nuts  
Connectors  
P4 X2



Twist Nuts  
Connectors  
P6H X2



Dry Wall  
Screws X4



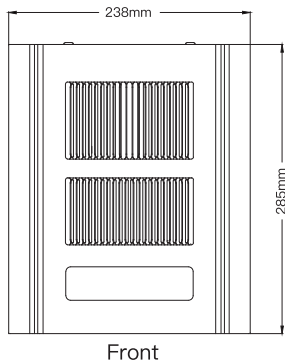
Remote Control X1



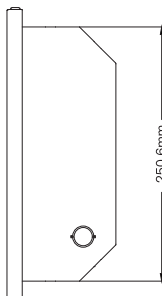
Hex Wrench X1

# Specifications

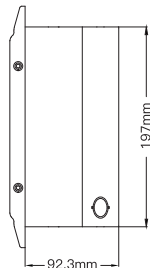
Model	WH1500-120V	WH1500-240V
Product Size	9 2/5" x 4 1/4" x 11 1/3"	
Applicable Area	120-150 sq. ft. in a normal residential home	
Electrical	120Volts, 60Hz, 1500W	240Volts, 60Hz, 1500W
Amps	13Amps Max	6.5Amps Max
Warranty	5 Years	



Front



Side



Top

## I Description

This heater is designed to be installed in a relatively enclosed space, such as a cavity wall of a stud structure, to provide warm, gentle heat in bedrooms, bathrooms, living rooms, and so on.

Please read the safety precautions carefully and follow the installation operations below.

This heater can be installed in parallel with multiple units, but be aware that the total number of units added together must be within 80% of the circuit breaker's amperage!

Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes and standards.

### NOTE

- It is recommended that flexible conduit be used for field wiring to the unit to protect the wires from sharp objects or hazardous environments.
- Be sure supply voltage meets the equipment requirement. Refer to the rating plate, unit wiring diagram and specification table.

### WARNING:

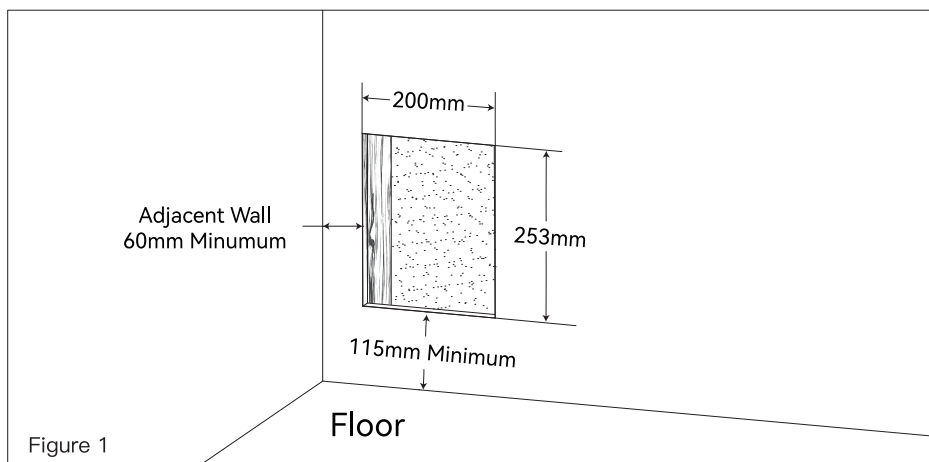
- Do not operate heater without top cover in place.

### CAUTION

- For proper and continuous safe operation, your heater must be inspected and cleaned regularly. If used as primary heat, inspect and clean the heater at least annually, or more frequently if necessary, and do not continue to use the heater if lint and dirt have built up inside it.

# Installing Heater

1. First, determine the installation location. Cut a rectangular hole with a width of 200mm and a height of 253mm at this location (it is recommended that at least one side allows the screws to fix the wall studs). If you have not yet installed drywall, skip this step. (See Figure 1)

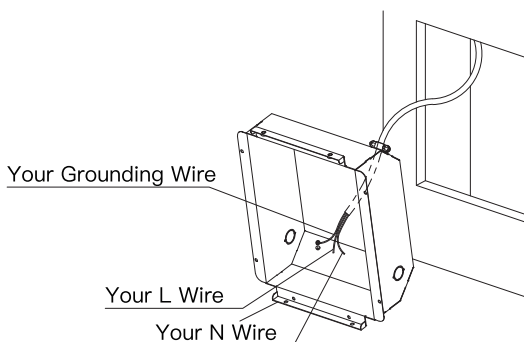
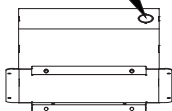


2. Position and lay the power cables: Connect the power cable from the circuit breaker to the heater location. Remove one knockout from the protective casing (choose a hole near the power cable's location). (See Figure 2.1)

Use a clamp-type cable connector (not included, must be purchased separately, specification: 3/8") to connect the power cable, leaving an appropriate length of cable.

**Note:** Make sure to ground the cable properly! (See Figure 2.2)

For example, this hole can be removed by rotating it a few times repeatedly



3. Install the protective casing: After securing the power cable and ensuring it is properly grounded, insert the protective casing into the hole you've just made. Mark four positions on the drywall (left side red circle) with a pencil. (See Figure 3.1)

Then, install the four included drywall expansion anchors (right side red), and fix the protective casing in place. Finally, install the eight screws (right side green) to secure the casing. The protective casing is now installed. (See Figure 3.2)

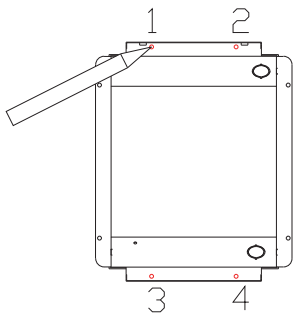


Figure 3.1

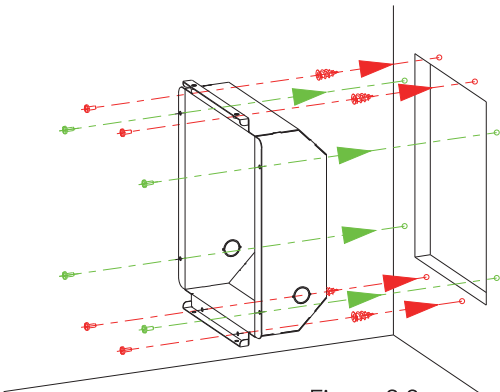


Figure 3.2

4. Connect the heater: After completing the steps above, you should have two wires ready to be connected: the L (live) wire and the N (neutral) wire. (See Figure 4.1)

Now, take the main part of the heater and use the included threaded connectors to connect the wires (two sizes included, choose the one suitable for your wire thickness). Connect the L wire to the black wire on the machine, and the N wire to the white wire on the machine. Be sure not to leave excess wire length.

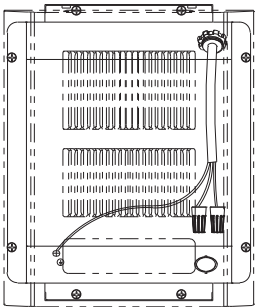
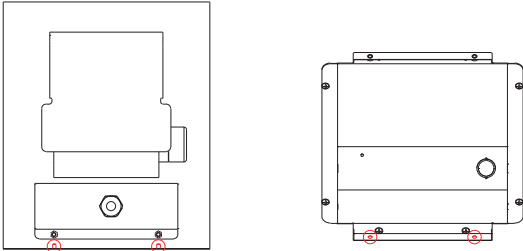


Figure 4.1

After connecting the wires, do not rush to install the heater. First, test the heater by powering it on to ensure it operates properly without any loose connections. Be careful not to touch any live terminals during this test.

If the test is successful, proceed as shown in the figure below. First, place the power cable near the right side of the protective casing to avoid any risk during fan and heating tube operation. Then, securely install the heater. (See Figure 4.2)



Locate the two locating posts on the heater body, and the two round holes on the underside of the protective case.



Tilt the body at an angle so that the locating posts are inserted into the round holes, then push the heater body value upright, and finally hit the two screws that are given to you.

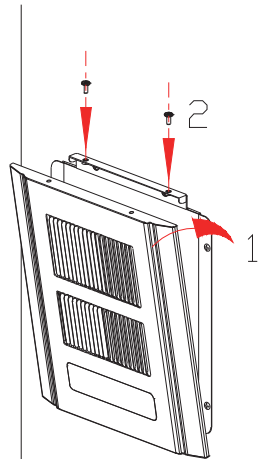


Figure 4.2

After installation, set the heater to the highest setting and let it run for 30 minutes. If you notice signs of overheating, such as the heater emitting a red glow or repeatedly reaching abnormally high temperatures and turning off, please immediately turn off the circuit breaker and check if the voltage is correct or contact us for assistance.

If the high-temperature safety switch trips more than once a day, please replace the heater.

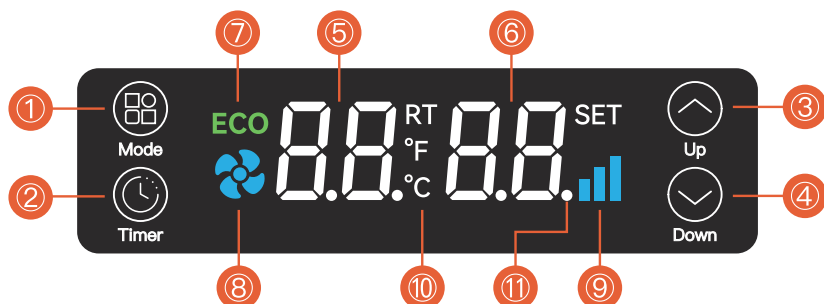
## Fault Codes

DISPLAY	PROBLEM	SOLUTION
No Display	No power, internal control fault	Check if the heater is powered. If using a generator, confirm the generator setup. If the display still doesn't work, the control board may be faulty. Please contact customer service.
Buttons and remote control do not respond but there is a beeping sound	Check if the child lock is enabled. In this case, the display will show "CL".	Disable the child lock using the combination keys or the remote control's child lock button. Refer to the manual's child lock section for guidance.
No beeping sound	Check if the beeper is turned off manually or if the beeper is faulty.	Use the combination keys to enable it. Refer to the detailed instructions in the user manual for disabling silent mode.
F1	Temperature detection anomaly	This indicates a temperature sensor fault or poor connection. Check and reseal the connector. If the error persists, contact customer service.
F2	High-temperature protection code	This indicates that the sensor detected an internal temperature exceeding the safety range. Allow the unit to cool down before restarting. Once normal temperature is restored, it will resume operation.

### Important Notice — Please Read

- This heater is equipped with dual overheat protection mechanisms. When the temperature of the heater becomes too high, one of the overheat protection switches will cut off the main power supply to the heater, causing the unit to shut down and display the F2 error code.
- The second overheat protection switch is a one-time fuse that will only activate when the heater requires major repairs. Do not bypass this fuse. When the first overheat protection fails, the second protection switch plays a crucial role in preventing potential hazards. If you need to replace the overheat protection switch, please contact authorized service personnel.

# Operating Instructions



## ① Mode Button

Single click: Switch the device's current mode.  
Long press: Turn the device on/off.

## ② Timer Button

Single click: Enter timer mode, allowing settings from 1 to 9 whole hours.  
Displaying (--- ---) exits timer mode.  
Long press (5 seconds): Turn off the screen.  
Additional key combinations are available; see details below.

## ③ Up ↑ Adjustment Button

Single click: Increase temperature or timer value.  
Long press: Quick adjustment.

## ④ Down ↓ Adjustment Button

Single click: Decrease temperature or timer value.  
Long press: Quick adjustment.

## ⑤ Current Room Temperature Display Area

## ⑥ Set Parameter Display Area

## ⑦ Energy-Saving Mode Indicator

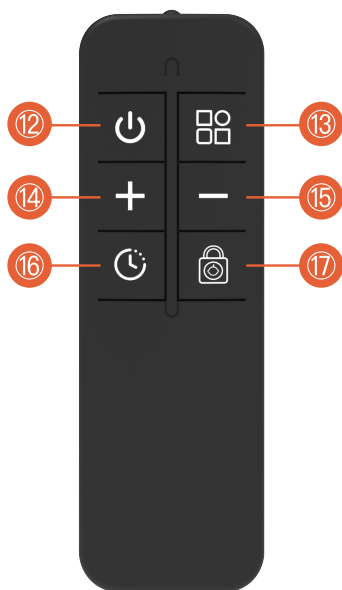
## ⑧ Fan-Only Mode Indicator

## ⑨ Current Fan Speed Level Display

## ⑩ Fahrenheit or Celsius Display Area

## ⑪ Timer Mode Indicator:



This dot blinks when the timer mode is active.



Remote Control



- ⑫ **Power Button**  
Turn the device on/off.
- ⑬ **Mode Button**  
Switch the device's current mode.
- ⑭ **Up ↑ Adjustment Button**  
Increase temperature or timer value.
- ⑮ **Down ↓ Adjustment Button**  
Decrease temperature or timer value.
- ⑯ **Timer Button**  
Enter timer mode, allowing settings from 1 to 9 whole hours.  
Displaying (--- ---) exits timer mode.
- ⑰ **Remote Control – Child Lock Button**  
Enable child lock mode.  
Click again to disable.

## Power On/Off

Long press ①  on the control panel for 3 seconds, or single press ⑫  on the remote control to turn the device on or off. The device will resume the last mode used before being powered off.

## Mode Selection Operation

Once the device is powered on, you can select the desired mode by:


Single pressing ①  on the control panel or ⑬  on the remote control.

The available modes include full-power heating mode, Energy-Saving Mode and Fan-Only Mode.





## I Full-Power Heating Mode

The device operates at maximum heating output, with the fan running at its highest speed (non-adjustable).


Set your desired room temperature, which will be displayed in the ⑥  display area. The device will start heating when the temperature falls below the set value and will enter standby mode when the temperature exceeds the set value. (Note: To avoid frequent cycling near the target temperature, the device will only shut off when the temperature exceeds the set value by 3°F.)

## II Energy-Saving Mode



Recommended if you do not require rapid heating. The ⑦  indicator will light up, and the device will operate at half-power heating with the fan running at the second speed (non-adjustable).




Similar to Full-Power Heating Mode, use the ⑥  display area to set your desired temperature, with the same 3°F standby threshold to avoid frequent cycling.



## III Fan-Only Mode

The ⑧  indicator will light up, and the heating function will be disabled. Only the fan will operate, and its speed can be adjusted. Ideal for circulating air without heating the space.

## Timer Setting Operation



Single press ②  on the control panel or ⑩  on the remote control to enter timer shutdown.

The ⑥  display area will show . Adjust the time using the + or – buttons, the value will change. Adjust the value to your desired time, and after 3 seconds of no operation, the timer will activate. A small dot in the lower-right corner of the ⑥  display area will blink to indicate the timer is running.

To cancel, set the ⑥  display back to  and wait for 3 seconds without input.




## Beeper Sound Mute Operation

If the beeping sound is too loud, you can mute it:

Long press ①  and ②  on the control panel simultaneously for 3 seconds. Release to mute the beeper.  
Repeat the same operation to turn the sound back on.




## Fahrenheit and Celsius Display Switch

The device allows you to toggle between Fahrenheit and Celsius:

Long press ②  and ④  on the control panel simultaneously for 3 seconds. The ⑩  display area will switch to the selected unit.

## Child Lock Operation

To prevent accidental operation by children, the device includes a child lock feature:


Long press ②  and ③  on the control panel simultaneously for 3 seconds, or single press ⑪  on the remote control.

The ⑥  display area will show , indicating the child lock is activated.

While locked, no buttons will respond until the child lock is deactivated using the same method.

## Screen-Off Operation

To turn off the screen without affecting device operation:

Long press ②  on the control panel for 3 seconds. The screen will go dark. Press any button to reactivate the screen.

## Maintenance

To ensure proper and continuous safe operation, your heater must be regularly inspected and cleaned. The frequency depends on usage. If the heater is used as a primary heat source, it should be inspected and cleaned at least once a year, or more frequently if necessary.

This heater is equipped with a thermostat that may activate automatically. Before performing any cleaning or maintenance, turn off the power at the service panel.

The following maintenance and cleaning tasks can be performed by the user. If you have any questions, please contact our customer service department: (Insert website or phone number).

### Lubrication

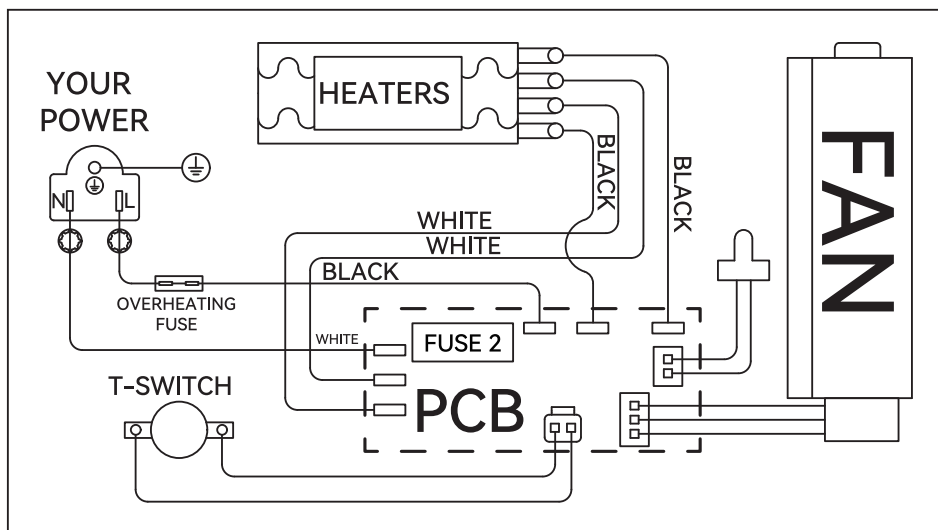
The heater is permanently lubricated and does not require oiling during assembly.

### Cleaning Procedure:

1. Disconnect the power at the main service panel.
2. Ensure the heating elements have cooled down.
3. Remove the screws and grille.
4. Take out the heater.
5. Remove the outer casing.
6. Use a vacuum cleaner with a brush attachment to clean the blower and the interior of the heater.
7. Carefully rotate the blower wheel by hand to ensure it moves freely. If any issues are detected, discontinue use and have the heater repaired.
8. Clean the grille.
9. Reinstall the heater.
10. Secure the grille with screws.
11. Reconnect the power.
12. Verify that the heater is functioning properly.

**Note:** Metal and electrical components must never be immersed in water.

## Wiring Diagram



## Warranty

INFANDY ensure the product components will be free of material defects in workmanship or materials for a period of 5 years following the date of initial purchase of such product by a customer. This warranty is limited to the repair or replacement of defective equipment.

If it is necessary to return unit for service, customer is solely responsible for proper packaging transportation costs. Customer must initiate warranty process by contacting INFANDY. Do not send any component or product back to INFANDY without return material authorization.

This limited warranty does not apply to any part or component that is damaged in transit or when handling, has been subject to misuse, corrosion, chemicals, acts of God, has not been installed, operated or serviced according to the seller's instructions, or has been operated beyond the factory rated capacity or has been altered in any way.

Routine maintenance is not covered by this warranty.

This limited warranty is void if defect(s) result from failure to have this unit installed by a qualified heating contractor.

INFANDY shall not be responsible for loss of use of any product, loss of time, inconvenience, or damage to other equipment, or any other indirect or consequential damage with respect to property whether as a result of breach of warranty, neglect, or otherwise.



Extraordinary Quality  
Led by INFANDY

[www.infandy.com/warranty](http://www.infandy.com/warranty)  
[support@infandy.com](mailto:support@infandy.com)  
(888) 889-6623

(8:00 am to 7:00 pm PST), Monday to Friday