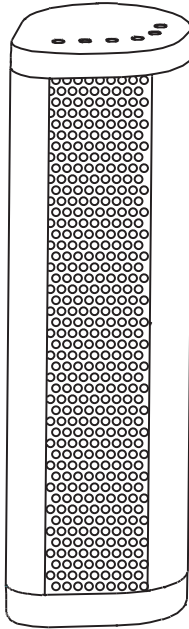


**SPT<sup>®</sup>**

**SH-1516D**

**PTC FAN HEATER**



**OWNER'S MANUAL**

***SAVE THESE INSTRUCTIONS***

# IMPORTANT INSTRUCTIONS

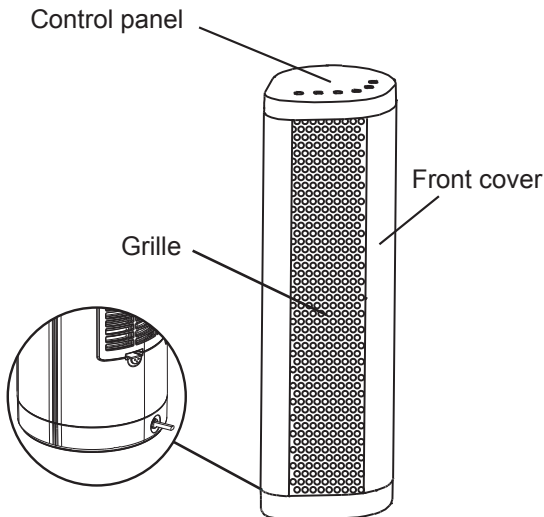
## PLEASE READ AND SAVE THESE IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

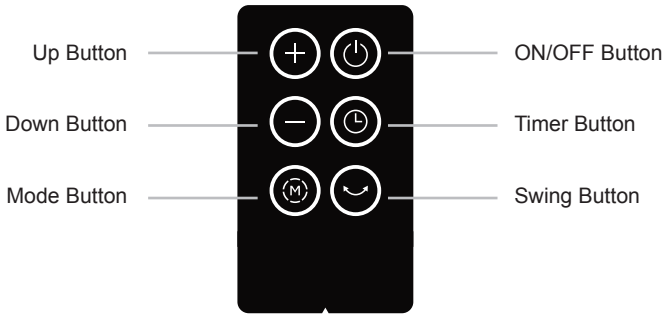
1. Read all instructions before using heater.
2. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surface. If provided, always use handles when moving this heater. Keep combustible materials such as furniture, pillows, bedding, papers, clothes and curtains at least 3 feet (0.9m) from the front of the heater and keep them away from the sides and rear.
3. Extreme caution is necessary when any heater is used by or near children and whenever the heater is left operating unattended.
4. Always unplug the heater when not in use.
5. Do not operate any heater with a damaged cord/plug, after heater malfunctions, or has been dropped or damaged in any manner. Discard heater or return heater to authorized service facility for examination/repairs.
6. Do not use the heater outdoors.
7. The heater is not intended for use in spaces with high humidity (e.g. bathrooms and laundry rooms). Do not place heaters near any source of water.
8. Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
9. CAUTION: This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of shock, this plug is intended to fit only one way in a polarized outlet. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. DO NOT attempt to BYPASS this safety feature. To do so could result in an electric shock hazard.
10. This heater draws 12.5 amps during operation. To prevent overloading a circuit, do not plug the heater into a circuit that already has other appliances working.
11. CAUTION: It is normal for the plug to feel warm to the touch; however, a loose fit between the AC outlet (receptacle) and plug may cause overheating and distortion of the plug. Contact a qualified electrician to replace loose or worn outlet.

12. To disconnect the heater, first turn controls to off, then remove plug from outlet. Never pull by the cord.
13. 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.
14. To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surface, like a bed, where openings may become blocked.
15. A heater has hot and arcing or sparking parts inside. Do not use it in the areas where gasoline, paint, or flammable liquids are used or stored.
16. 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.
17. CAUTION: Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or reloadable power tap (outlet/power strip).
18. The output of this heater may vary and its temperature may become intense enough to burn exposed skin. Use of this heater is not recommended for persons with reduced sensitivity to heat or an inability to react to avoid burns.
19. **“SAVE THESE INSTRUCTIONS”**

## PART FIGURE

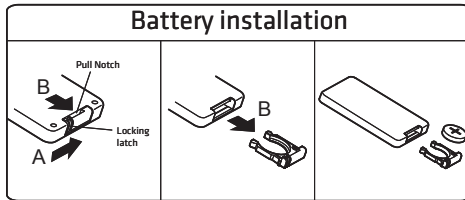


# REMOTE CONTROL



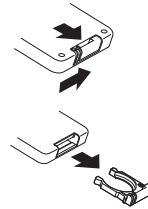
## BATTERIES INSTRUCTIONS (included)

1. Please push locking latch in the direction of Arrow A, and pull out the pull notch in the direction of Arrow B at the same time.
2. Use 1 "CR2032" lithium battery (included)
3. Insert the batteries, making sure that the positive terminals are facing the proper way.
4. Replace the cover.



## BATTERY WARNING

1. Do not dispose of batteries in fire, batteries may explode or leak.
2. Do not mix old and new batteries.
3. Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
4. Non-rechargeable batteries are not to be recharged.
5. Batteries are to be inserted with the correct polarity.
6. Exhausted batteries are to be removed from the product.
7. The batteries must be removed from the remote controller before it is scrapped and that they are disposed of safely.



# OPERATING INSTRUCTION

Check before turning on the machine

1. Check if the power wire is under good condition.
2. The product adopts 120V AC power supply, before use, please confirm if the rated current of the power socket meets the local requirements with safe grounding device, otherwise, please replace it with the qualified socket.

## Vertical and horizontal

This unit can be used BOTH standing up or laying flat on its side depending on the user's liking.

## Start the machine

Plug the unit into a grounded 120V outlet, press the ON/OFF key (or press the ON/OFF key of the remote controller) for start, the machine supplies air at high power after start, the display will show the temperature of 95°F.

## Mode setting

Press the "Mode button" to change settings in the following order: High Heat - Low Heat - Fan - Auto mode - High Heat.

## Temperature setting

Press the "+" or "-" to set the desired temperature with a range of 40-95°F. When the desired room temperature is reached, the display will flash for 10s and the unit will automatically go into standby mode. The unit will reactivate when room temperature again drops below the desired temperature.

## Timing function

### Timing stop

When the electric heater is turned on, press the TIMER key to enter the timing stop state (within 0-24 hours), then press the "+" key to increase the timing stop time by 1 hour once, and press the "-" key to decrease the timing stop time by 1 hour once.

### Timing start

When the electric heater is in the standby mode, press the TIMER key to enter the reservation start mode (within 0-24 hours), then press the "+" key to increase the reservation start time by 1 hour once, and press the "-" key to decrease the reservation start time by 1 hour once.

## Swing function

the electric heater is in operation mode, press the "swing" key to open the swing function, pressing this button to turn off the swing function; when the electric heater stops heating function, the wind swinging function also stop.

**Memory function**

When the unit is restarted after normal shut down, it will start with the very latest setting prior to shut down. If powered off completely after a period of time, the unit will be reset back to factory default of high gear start and 95°F.

**Off screen function**

While in operation, the display screen will automatically turn off after 1 minute of inactivity, only keeping the heating logo lit. You can turn the display screen back on by holding the “+” and “-“ button for 2 secs. You can again turn off the display screen by holding the “+” and “-“ button for 2 secs.

**Temperature sensor short circuit, open circuit protection function**

No matter in what mode, the temperature sensor short circuit or open circuit will cause the display to flicker “E1” or “E2” along with the buzzer ringing 10 times. All key operations will be invalid.

**Safety protection**

When the unit senses the temperature to be above 122°F, an auto shut off protection mode is initiated. The screen will display “FF” and flash 75 times once per second. The unit can only be reactivated by powering down the entire machine and restarting.

**AUTO energy saving function**

The AUTO function will allow the heater to determine the most energy efficient mode of achieving the desired temperature. This will provide the most energy savings.

**Remote controller**

The remote-control unit has the same key functions as the control panel on the main unit.

## MAIN TECHNOLOGY SPECIFICATIONS

Power supply: AC 120V ~ 60Hz

MODEL	POWER REGULATION RANGE (W)			
	LOW	HIGH	LOW OSC	HIGH OSC
SH-1516D	900	1500	900	1500

## Troubleshooting

Before contacting the manufacturer, the following are solutions to common problems. However, if the solutions below do not solve the issue, it is recommended to contact the manufacturer's customer service for further assistance.

Problem	Possible Cause	Solution
After the power is engaged, the machine does not work.	The plug may not be plugged well.	Check whether the plug is properly inserted into the receptacle.
The machine suddenly stops during heating.	The temperature exceeds the threshold of the thermal cut-off.	Unplug the heater and cool the machine before use

## CLEANING AND STORAGE

It is recommended that the heater be cleaned at least one time during the operating season in order to provide the optimum level of performance. **ALWAYS TURN THE POWER SWITCH OFF AND UNPLUG THE HEATER BEFORE CLEANING.** Be sure to save the box for off-season storage.

- Turn the heater "OFF", unplug it and wait for the heater to cool down.
- Use a dry cloth to clean only external surfaces of the heater.
- Do not use any cleaning agents or detergents.
- Never immerse the heater in water.
- Pack the heater in the original carton and store it in a cool and dry place.

Warning: This heater cannot achieve accurate temperature control of the environment, and thus cannot be used as insulation device for storage environment, items, animals and plants.

## READ AND SAVE THESE INSTRUCTIONS

# Your Guarantee

If this product is found to be faulty as a result of faulty materials or workmanship within one year from date of purchase, it will be repaired free of charge.

This guarantee is subject to the following terms:

- Sunpentown must be notified of the fault.
- Proof of purchase must be presented to Sunpentown's nominated representative.
- The warranty will be void if the product is modified, misused or repaired by an unauthorized person.
- The warranty after repair will not be extended beyond the original one-year period.
- All replacement parts will be new or reconditioned.
- Parts, which are replaced, become the property of Sunpentown.
- The warranty applies for the use of the product in the USA only.

What is NOT COVERED:

- Warranty does not include freight charges.
- Damage due to installation error, product abuse and/or misuse.
- Incidental or consequential damage caused by possible defects with this product.
- Labor cost incurred for the installation and/or removal of a possible defective unit.
- Damage to product caused by improper power supply voltage, accident, fire, floods or acts of nature.
- Failure of product resulting from unauthorized modifications to the product.
- Improper installation or failure to perform the necessary maintenance.
- Normal wear and tear on parts or replacement of parts designed to be replaced.
- Damage to personal property from use of product.
- Replacement or repair of household fuses, circuit breakers, wiring or plumbing.

This GUARANTEE is in addition to your Statutory Rights

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service@sunpentown.com  
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