

UNIWATT™

UHC CONVECTOR

OWNER'S MANUAL

UHC...WCW
UHC...W
UHC...PW



INS-UHC_EN_0423

THANK YOU FOR YOUR PURCHASE!
QUESTION? PROBLEM? CONTACT STELPRO CUSTOMER SERVICE.

WWW.UNIWATT.CA
CONTACT@STELPRO.COM
1-844-STELPRO

UNIWATT is a line of products manufactured by STELPRO.
For more information, please contact customer service.

IMPORTANT INSTRUCTIONS

Before installing or using this product, you must read and understand these instructions and save them for future reference. The manufacturer will not be held responsible for anything, and the warranty will be void if the installer and user do not follow these instructions.

This product must be installed by a qualified person and connected by a **certified electrician** in accordance with local electrical and building codes.

Failure to follow these instructions could result in personal injury, property damage, serious injury and potentially fatal electrical shock.

Protect the unit with the appropriate circuit breakers or fuses according to the nameplate.

Make sure that the supply voltage (volts) corresponds to that indicated on the nameplate.

This unit must be grounded. Use copper conductors only.

Use power leads suitable for 75°C (167°F).

Switch off the power supply to the unit at the circuit breaker/fuse before installation, repair and cleaning.

Ensure that the unit is designed for the intended use (if necessary, consult the product catalog or a representative).

Recommended heating capacity: 1.25 W/cubic foot (0.03 m³).

This corresponds to **10 W/square foot (0.09 m²)** based on a standard ceiling height of **8 feet (2.44 m)**. The recommended capacity is usually sufficient for normal heating needs. Please note that wall and window insulation quality affects heat loss and impacts the power required to heat a room. If necessary, refer to a specialist who can calculate these heat losses and optimize the required capacity or consult the "Online heating calculation" section of the Stelpro Design website (residential buildings). To heat and increase the comfort of a large room, install several units instead of just one. For example, 2 x 1000 W instead of 1 x 2000 W. If the power of the unit is insufficient for the size of the room, it will run continuously, causing it to age prematurely or turn yellow.

Do not install the unit where objects could be heat damaged.

Respect distances and positions indicated in the installation section of this guide.

If the installer or user modifies the unit in any way, they will be held responsible for any damage resulting from such modification, and the CSA certification may be voided. This unit must not come into contact with any water source and must be protected from splashes (e.g., water from a mop). Do not use it if any part has been submerged. Moreover, do not turn it on or off when your feet are in water or your hands are wet.

When cutting or drilling a wall to install the unit, make sure not to damage the wiring and other hidden utilities.

When the unit is first turned on or turned on after a long period of time, it's normal for it to temporarily emit some odours and a thin whitish smoke.

Because it heats up, this unit presents risks even when it is operating normally. Therefore, **use caution, good judgment and care** when using it. To avoid burns, do not allow bare skin to come into contact with hot surfaces. Allow the unit to cool down for a few minutes before handling it (it will remain hot for some time).

Leave at least **6 inches (15.2 cm)** of free space between the unit and adjacent surfaces and at least **4 inches (10.2 cm)** from the floor. However, do not allow objects or furniture such as, but not limited to, blankets, towels, bedding, laundry baskets, clothing, papers, etc., to come into contact with the unit and keep them at least **12 inches (30.5 cm)** away from the unit. Moreover, some materials are more heat-sensitive than others, so make sure that those near your appliance can withstand the heat it gives off. Do not install the unit on a wall behind a door. Never block the unit's air inlets and outlets. Doing so will lead to overheating, which may cause a fire. Do not insert foreign objects into the unit's air inlets and outlets, as this may damage the unit and cause electric shock or fire.

The unit contains hot and potentially arcing (sparking) parts. It is not intended for use or storage in damp locations or locations containing flammable liquids, combustible materials, and corrosive, abrasive, chemical or explosive materials such as, but not limited to, paint, gasoline, chlorine, sawdust, and cleaning products.

Some areas are dustier than others. The user must therefore assess whether **the unit needs to be cleaned** based on the amount of dirt accumulated on the air inlets and outlets and inside the unit. Accumulated dirt can cause the unit to turn yellow or cause a component to fail. Failure to install and maintain the unit in accordance with these instructions poses a fire hazard. Activation of the thermal protection indicates that the unit has been subjected to abnormal operating conditions. If the thermal protection remains activated or repeatedly activates and deactivates, the unit should be inspected by a qualified electrician or a recognized repair centre to ensure that it is not damaged (refer to the limited warranty terms beforehand).

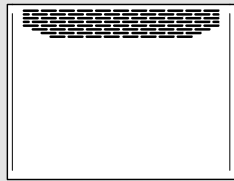
If the unit is damaged or defective, turn off the power supply at the circuit breaker/fuse and have it repaired at an authorized service centre (refer to the limited warranty terms beforehand).

SAVE THESE INSTRUCTIONS

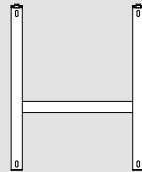
INSTALLING THE CONVECTOR

TO ENSURE A SAFE AND EASY INSTALLATION, TAKE A FEW MINUTES TO READ THIS INSTALLATION GUIDE.

WHAT'S IN THE BOX THE BOX



Convector



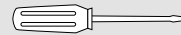
Wall bracket

Twist-on wire connectors* models:
UHC...W, UHC...WCW

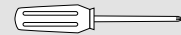
*Not supplied with UHC1501PW



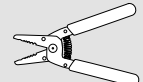
TOOLS AND MATERIALS



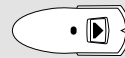
⊖ Flat screwdriver



⊕ Phillips screwdriver



Wire stripper



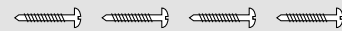
Stud finder



Level



Tape measure



Four to six #6 to #10 round-head wood screws and suitable anchors to secure the convector (see weight on package) to the type of wall

WARNING: This convector must be installed by a certified electrician according to the electrical and building codes effective in your region.

1 WHERE TO INSTALL YOUR CONVECTOR

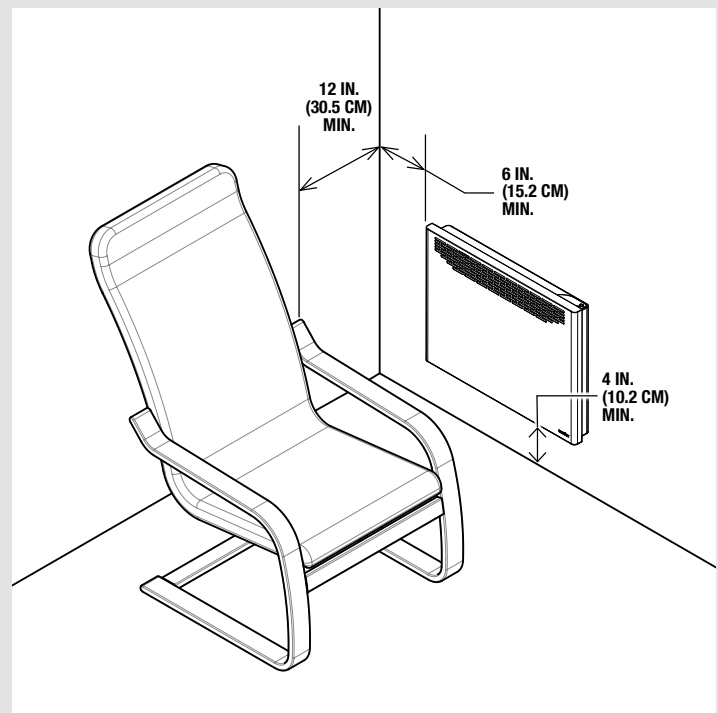
ATTENTION: To avoid the risk of overheating and fire, leave a clearance of at least 12 in. (30.5 cm) in front of the convector, 6 in. (15.2 cm) on each side and 4 in. (10.2 cm) of space from the floor.

Do not allow objects or furniture such as, but not limited to, blankets, towels, laundry baskets, clothing, papers, etc., to come into contact with the convector and keep them at least 12 inches (30 cm) away.

The unit is not intended for use or storage in locations that are wet or contain flammable liquids, combustible materials, and corrosive, abrasive, chemical or explosive materials such as, but not limited to, paint, gasoline, chlorine, sawdust, and cleaning products.

No electrical outlets may be located within the housing's enclosure, as interference may occur.

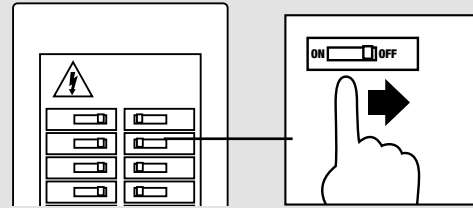
The UHC1501PW must be installed within 1.8 m (6 ft) of a 120 V outlet with a dedicated circuit to plug it in.



2

TURN OFF THE POWER SUPPLY

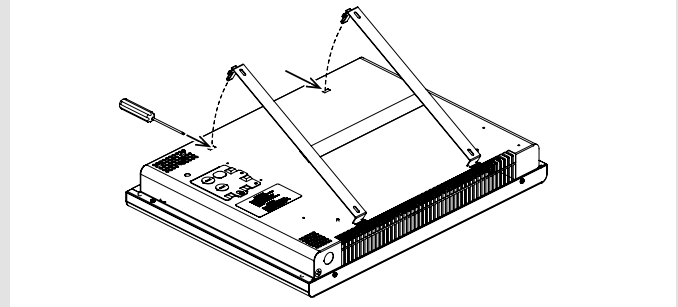
To protect yourself from the risk of electric shock, turn off the power to the power cables at the electrical panel.



3

REMOVE THE WALL BRACKET FROM THE UNIT

1. Lay the unit flat on a clean, non-abrasive surface to avoid damaging the front of the unit.
2. Press down on each spring with a screwdriver.
3. Swivel the bracket upwards.
4. Remove the bottom hooks from the unit.

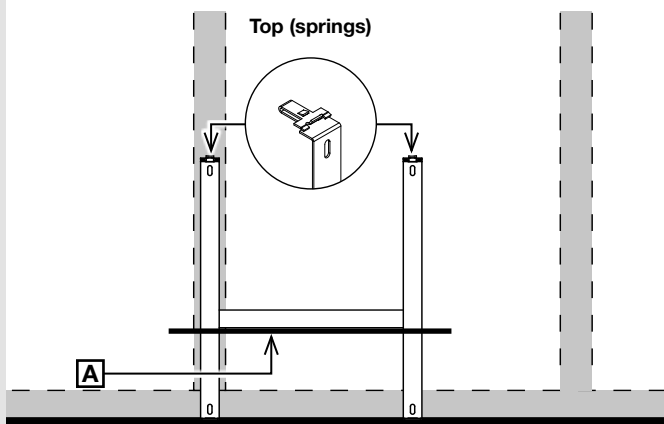


4

PREPARING THE SURFACE FOR INSTALLATION

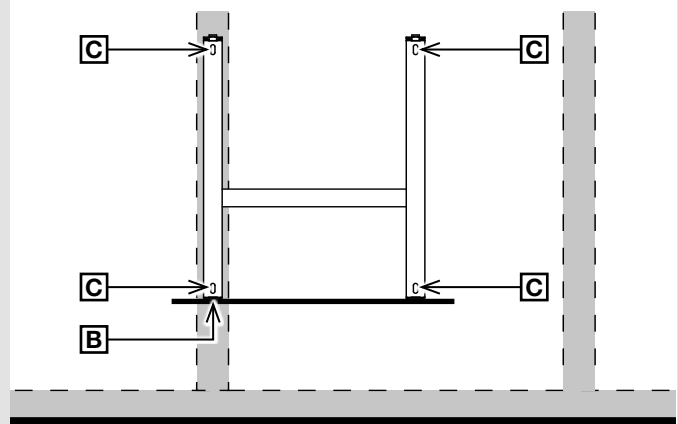
NOTE: The wall where you install the unit must be as flat as possible to ensure a secure and sturdy connection between the unit and the bracket. It is very important to follow this guideline to avoid damaging the bracket during installation. This could cause the locking system to malfunction.

1. Using the stud finder, locate studs and other structures that may be inside the wall.
2. To determine where to install the unit on the wall, use the wall bracket as a guide. For a sturdier installation, align one side of the wall bracket with a stud as shown in the illustration.
3. To install the unit at the minimum height of 4 in. (10.2 cm), place the bracket on the floor on the wall where the unit will be installed and draw a temporary line under its horizontal cross bar with a pencil. **[A]**
4. Align the bottom of the wall bracket with the temporary line drawn in the previous step or at the desired height. Make sure the bracket is level. **[B]**



5. Mark the position of the screws in the bracket's slots **[C]**. Make sure it is level.
6. Install the appropriate anchors to secure the convector (see weight on the packaging) according to the type of wall, then screw* the bracket in place.
7. Pull the power cable out of the wall. Allow extra cable to easily connect the unit's wires.

***Note: When drilling the wall, be careful not to damage electrical wiring and other hidden utilities.**



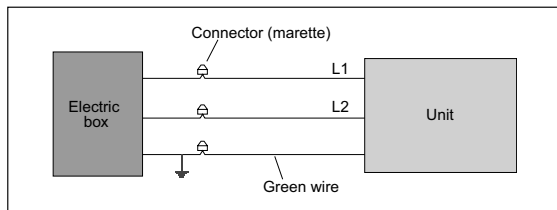
5

CONNECTING THE WIRING

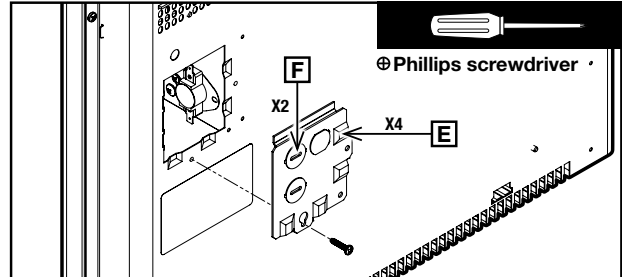
WARNING: Use only copper wire that can withstand a temperature of 75°C (167°F).

1. Unscrew and remove the junction box door and set it aside.
2. Pull the wires out of it.
3. If necessary, strip the wires from the power cable **[A]** using a wire stripper.
4. Connect the bare wire (ground) to the green wire **[B]** using one of the supplied twist-on connectors **[C]** (see connection diagram).
5. Then connect the convector **[D]** and power supply wires in the same way with the two other twist-on connectors. Tighten them on the wires to ensure each connection is secure.
6. Then place all the wires in the junction box, taking care to place the cable in one of the clearances provided **[E]**.

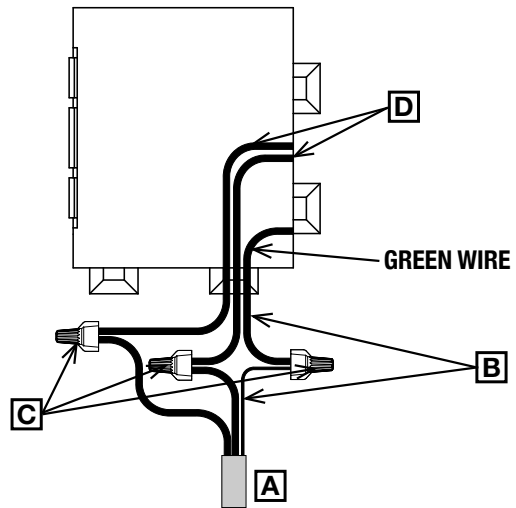
NOTE: If installing in a knockout **[F]**, use a wire clamp to secure the power cable. Replace the junction box cover and insert the screw to hold it in place.



ELECTRICAL DIAGRAM OF THE DEVICE



REMOVING THE JUNCTION BOX COVER



CONNECTION DIAGRAM

CONNECTING THE UHC1501PW MODEL (WITH CORD)

This model is equipped with a three-pin plug:

- For safety reasons, the plug can only be inserted into a grounded outlet. If you are unable to insert the plug into the outlet, contact your electrician. Do not override the safety grounding feature of the plug.
- The convector must be plugged into a dedicated 120V circuit. Adding other units to this circuit may cause the circuit breaker to trip.
- Plug the unit's cord directly into a wall outlet (do not use an extension cord).

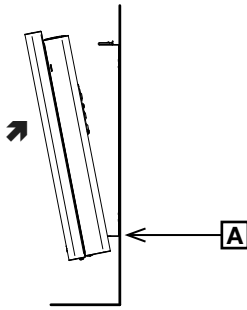
WARNING: No electrical outlets may be located within the housing's enclosure, as interference may occur.

6

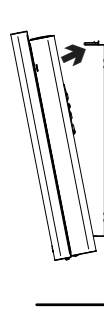
HANG THE UNIT ON THE WALL BRACKET

CAUTION: Ensure that the convector is correctly engaged in the wall bracket to avoid dropping and damage.

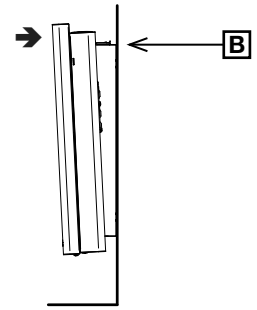
1. Insert the unit into the lower hooks [A] of the wall bracket.



2. Tilt the top of the unit and snap it into the top hooks.



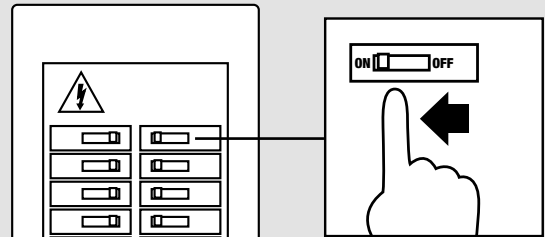
3. Push the unit to ensure it is firmly seated. [B]



7

TURNING THE POWER BACK ON

1. Restore power back to the convector. Make sure that the unit works by raising the temperature until it starts to heat.
2. See the **Using the convector** section to get the most out of your unit.




USING THE CONVECTOR

WARNING: Before using your convector, make sure that it has been installed by a certified electrician in accordance with the electrical and building codes in effect in your area. Before using the unit, make sure both the air inlet (bottom) and air outlet (front) are not obstructed.

CONVECTOR CONTROL

Depending on the model you've chosen, refer to the table below for information on how to control the convector.

UHC...W, UHC1501PW	These models are controlled using a built-in thermostat to adjust the room temperature setpoint (see page 7 for details).	
UHC...WCW	This model is controlled by a wall-mounted thermostat to adjust the room temperature setpoint.	---

BUILT-IN ELECTRONIC THERMOSTAT CONTROL

SETTING THE TEMPERATURE

You can change the temperature by increasing (top button) or decreasing (bottom button) the setpoint. Each press with increase or decrease the temperature setpoint by 0.5°C (or 1°F). If you hold down the button, the temperature will quickly scroll through, making it faster and easier to adjust the setting.

ANTIFREEZE PROTECTION ❄

Set the thermostat to antifreeze mode to protect your home against the risk of freezing and reduce energy consumption if you are away from home for a long time. To enter this mode, lower the daytime temperature to between 3°C and 5°C until a snowflake (❄) is displayed. The icon indicates that this energy-saving and safe operating mode is enabled.

“NO HEAT” MODE

To turn off the heater, lower the temperature below 3°C. The “- -” symbol will appear on the display to indicate that the heater is completely switched off (note that the power is still on, so the risk of electric shock remains).

CELSIUS / FAHRENHEIT MODE

To switch the display from Celsius to Fahrenheit and vice versa:

1. Press and hold both buttons at the same time.
2. After 3 seconds, °C or °F will flash.
3. Release the buttons to make the change. If the thermostat was in °C, it will now be in °F, and vice versa.

TROUBLESHOOTING

The following table lists the most common problems and alerts you may encounter with your convector.

If your problem isn't listed in the table below or the proposed solution does not solve the problem, turn off the power and contact our customer service team

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1-844-STELPRO

PROBLEM/ALERT	POSSIBLE CAUSES AND SOLUTIONS
The unit doesn't start up	<ul style="list-style-type: none">• Open circuit breaker or fuse• Thermal protection activated• Incorrect connection
The unit runs continuously	<ul style="list-style-type: none">• Faulty or incorrectly adjusted thermostat/timer
The housing is extremely hot	<ul style="list-style-type: none">• Faulty thermal protection• Blocked air inlet and/or outlet
The desired room temperature cannot be reached	<ul style="list-style-type: none">• One or more components are defective• Faulty or incorrectly adjusted thermostat/timer• Voltage lower than that indicated on the nameplate• Heat losses in the room greater than the unit's capacity
The unit cycles on thermal protection (unit overheating)	<ul style="list-style-type: none">• Blocked air inlet and/or outlet
The circuit breaker trips when the unit is switched on	<ul style="list-style-type: none">• Incorrect connection• Voltage higher than that indicated on the nameplate
The unit does not heat up	<ul style="list-style-type: none">• One or more defective components

MAINTAINING THE CONVECTOR

NOTE: For the warranty to be valid, the fan heater's air inlet and outlet must be cleaned regularly. Over time, cigarette smoke may cause the outlet grill to yellow. The best way to prevent yellowing is to clean the unit regularly.

WARNING: The unit is powered even if the thermostat is in the off position. You could therefore receive an electric shock as long as the unit is powered. Switch off the power supply at the circuit breaker/fuse before cleaning the unit.

Remove dust from the unit with a soft cloth. Clean only with a damp cloth. Do not use any cleaning products to avoid yellowing of the unit. Do not use chemical or abrasive cleaning agents, as they may damage the unit's coating. If the unit is in a very dusty place, use the dusting brush of a vacuum cleaner to remove dust and other foreign objects from the unit.

NEVER USE:

- Chlorine
- A metal brush or scouring pad
- Cleaning products that contain abrasives
- Cleaning products that bear the following symbols:



STELPRO LIMITED WARRANTY

This limited warranty is offered by STELPRO DESIGN Inc. ("STELPRO") for the following STELPRO manufactured product and model: **UNIWATT UHC**. Please read this limited warranty carefully. Subject to the terms of this warranty, STELPRO warrants its products and their components against defects in material and workmanship for the following periods from the date of purchase: **2 years**. This warranty applies to the original purchaser only; it is not transferable and cannot be prolonged or extended.

CLAIM PROCEDURE

If at any time during the warranty period the unit becomes defective, you must cut off the power supply at the main electrical panel and contact 1) your installer or distributor, 2) your service center or 3) STELPRO's customer service department, who will advise you on the procedure to follow. In all cases, you must have a **copy of the invoice** and provide the **information listed on the product nameplate**. STELPRO reserves the right to inspect or have inspected any product or part before honouring a claim. STELPRO also reserves the right to replace the unit, refund the purchase price, or repair or have repaired a defective part. Please note that repairs made within the warranty period must be authorized in advance in writing by STELPRO and carried out by a person authorized by STELPRO.

Before returning a product to the STELPRO plant, you must have a Stelpro authorization number (RMA). To obtain it, call the customer service department at: **1-844-STELPRO**. The authorization number must be clearly written on the parcel or it will be refused.

CONDITIONS, EXCLUSIONS AND DISCLAIMERS

This warranty is exclusive and in lieu of all other representations and warranties (except of title), expressed or implied, and Stelpro expressly disclaims and excludes any implied warranty of merchantability or implied warranty of fitness for a particular purpose.

Stelpro's liability is limited to what is provided in this warranty. Stelpro shall not be subject to any other obligation or liability whatsoever, whether based on contract, tort or other theories of law, with respect to goods or services furnished by it, or any undertakings, acts or omissions relating thereto. Without limiting the generality of the foregoing, Stelpro expressly disclaims any liability for property damage or personal injury; penalties; special or punitive damages; loss of profits or use; cost of capital; cost of replacement products, facilities or services; shutdowns; downtime; and any other type of pecuniary loss. Stelpro also declines

any responsibility for claims from customers or any other third party for such damages. Furthermore, Stelpro refuses to take responsibility for any indirect, incidental and possible damage of any kind.

This warranty does not cover damage or breakage resulting from 1) improper installation or storage; 2) misuse, abuse, misapplication, lack of maintenance, improper servicing (other than that intended by STELPRO) or use other than that for which the product was designed; 3) an act of God or an event beyond STELPRO's control, including, but not limited to, hurricane, tornado, earthquake, terrorist attack, war, power surge, flood, water damage, etc. This warranty does not cover any accidental or intentional losses or damages, nor does it cover damages caused by negligence of the user or owner of the product. Moreover, it does not cover the cost of disconnection, transport, and installation.

This warranty is limited to the repair of the unit, its replacement or the reimbursement of its purchase price **at the discretion of STELPRO**. Parts that are replaced or repaired with STELPRO's written authorization within the warranty period will themselves be warranted for the remaining warranty period of the original part. This warranty will not be valid and STELPRO may deny any claim if the unit has been **modified in any way** without STELPRO's prior written authorization or if the numbers displayed on the nameplate have been removed or altered. This warranty does not cover scratches, dents, corrosion or discoloration caused by excessive heat, chemical cleaning products or abrasive agents. It also does not cover damage or breakage during shipping.

Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, and some of them do not allow limitations on how long an implied warranty lasts, so these exclusions or limitations may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state or from province to province.