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## INSTRUCTIONS Architectural Radiant Panel AS Models



### WARNING

When using electrical appliances, basic precautions should always be taken to reduce the risk of fire, electrical shock and injury, including the following.

**Read carefully** these instructions before installation, operation of the heater. Failure to adhere to the instructions could result in fire, electric shock, serious personal injury, and death or property damage. Review frequently for continuing safe operation and instruction of future users, if necessary.

## IMPORTANT INSTRUCTIONS

- 1- Read all instructions before installing or using this heater.
- 2- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials, like furniture, pillows, bedding, papers, electrical cords, clothes, and curtains at least 36 in. (915 mm) from the front of the heater and away from the sides.
- 3- Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- 4- Do not operate any heater after it malfunctions. Disconnect power at service panel and have heater inspected by a reputable electrician before reusing.
- 5- Do not use outdoors.
- 6- To disconnect heater, turn off the circuit breaker that is connected to the heater, then disconnect it from the thermostat/control at the wall.
- 7- Do not insert any foreign objects in the heater as this may cause an electric shock or fire, or damage the heater.
- 8- Certain components may produce arcing or sparking. Do not use it in areas where gasoline, paint, or flammable vapors or liquids are used or stored.

- 9- 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.
- 10- The thermostat should not be considered an infallible device in cases where maintaining a temperature is considered critical. Examples: Hazardous material storage, computer server room, etc. In these particular cases, it is imperative to add a monitoring system to avoid the consequences of a thermostat failure.
- 11- Never paint the front panel of the heater.
- 12- Heater should not be blocked in any manner.
- 13- For ceiling installation only.
- 14- Check voltage rating of heater to make sure it is same as supply voltage.
- 15- Do not install the heater directly over a shower cubicle, nor in places where it will be exposed for a long period to high humidity or moisture.
- 16- This heater is hot when in use. To avoid burns, do not install this heater in an accessible place. Allow 8 ft. (2.4 m) minimum clearance from the floor.
- 17- A badly installed heater can be permanently damaged and present a risk of fire or electric shock. The heater must be firmly fixed to the ceiling structure.

## SAVE THESE INSTRUCTIONS

## OPERATING INSTRUCTIONS

- 1- The heater must be properly installed before it is used.
- 2- Turn the power on at the circuit breaker panel.
- 3- The use of the heater may vary depending on the type of control used. Please refer to the operation manual of the thermostat, timer or switch.

Conforms to UL STD 2021

Certified to CSA STD C22.2 No.46

## MAINTENANCE INSTRUCTIONS

- 1- Cleaning should be done while the heater is disconnected from the main service panel. Wait until the housing and heating element cool before performing maintenance.
- 2- To clean the painted surface, use a cloth moistened with a mixture of water and vinegar in equal proportions.
- 3- A detergent can be used to remove residue due to its environment (warehouse, industrial premises, etc.), but it is strongly recommended to test a small section in area that is not visible.
- 4- Do not use abrasives or corrosive chemicals as this may damage the paint and the appearance of the product.
- 5- The front panel of the panel can not be repainted.
- 6- The back of the panel can be repainted with latex paint.
- 7- Any other servicing should be performed by a qualified technician.

## WARRANTY

Please refer to the product sheet at [www.ouellet.com](http://www.ouellet.com).

# INSTALLATION INSTRUCTIONS

## CAUTION

- High temperature, risk of fire, keep electrical cords, drapery, furnishings, and other combustibles at least 36 in. (915 mm) from the front of the heater. To reduce the risk of fire, do not store or use gasoline or other flammable vapors and liquids in the vicinity of the heater.
- Allow 2 in. (50.8 mm) minimum clearance between the back of the panel and the ceiling structure.
- Allow 8 ft. (2.4 m) minimum clearance from the floor.
- 6 in. (152 mm) space between the panel and adjacent walls is recommended.
- Allow 36 in. (915 mm) minimum clearance between the heater and a device sensitive to heat of 40 °C (104 °F) and higher.
- Use power supply wire suitable for at least 75 °C (167 °F).
- Canadian installations shall be made according to the provisions of Section 62 of the Canadian Electrical Code, Part 1, and to regulations of all authorities having jurisdiction. United States installations are to be made in accordance with the National Electrical Code and local codes where applicable. When determining the number of branch circuits required to accommodate the heating load, note the branch circuit must be derated in accordance with Canadian Electrical Code or National Electrical Code as applicable. The heater must be grounded to prevent the risk of electric shock.
- For proper heater performance, ensure the supply voltage matches the voltage printed on the heater nameplate. DO NOT connect the heater to a higher voltage. Connection to lower voltages is permitted but will cause the heater to operate at a reduced wattage.
- Ensure the electrical supply is de-energized before connection in an approved box using approved wire connectors.
- Replace and screw the cover of the internal junction box before testing.

## INSTALLATION

- 1- To avoid a risk of fire caused by overheating of the wires, all wires connected to the heating panels must be provided for a minimum temperature of 75 °C (167 °F).
- 2- Allow 2 in. (50.8 mm) minimum clearance above the panel.
- 3- It is recommended to use steel suspension cable 3/64 in. (1.8 mm) in diameter.
- 4- To access the internal junction box, remove the 2 screws holding the plate in place.

## INSTALLATION OF THE RADIANT PANEL SUSPENDED FROM A CEILING

- 1- Make sure the ceiling can support the heating panels.
- 2- A suspension cable (not included) must be attached to the 4 suspension clips and attached to the ceiling structure.
- 3- The panels will be installed suspended from the ceiling. Figure 1.
- 4- Proceed to the electrical wiring according to Figure 3.

## INSTALLATION OF THE RADIANT PANEL INSERTED INTO A T-BAR SUSPENDED CEILING

- 1- Make sure the ceiling can support the heating panels.
- 2- Remove the acoustic tiles at the appropriate places in order to distribute the heat as evenly as possible.
- 3- It may be necessary to remove a T bar if they are too close together.
- 4- Make sure the suspension cables of the T bars are secure and that they do not interfere with the installation of the panels.
- 5- Remove the panel on the T bars and suspend the ceiling panel using suspension cable. Figure 2. A suspension cable (not included) must be attached to each of the 4 suspension clips and attached to the ceiling structure.
- 6- Proceed with the electrical wiring according to Figure 3.

## INSTALLATION OF THE RADIANT PANEL SURFACE OR RECESSED MOUNTED ON GYPSUM CEILING

- 1- Make the selection of the required framing models.
- 2- Refer to the SF or PF Frames installation instructions.
- 3- Proceed with the electrical wiring as shown in Figure 3.

