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## INSTALLATION INSTRUCTIONS "OCT" Series

### 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, 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 power to heater circuit at main disconnect panel.
- 7- Do not insert or allow foreign objects to enter any exhaust opening as this may cause an electric shock or fire, or damage the heater.
- 8- Do not block air intakes or exhaust in any way whatsoever.
- 9- This 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.
- 10- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury.
- 11- **AMERICAN VERSION ONLY:** This heater includes a visual alarm to warn that parts of the heater are getting excessively hot. If the light turns on, immediately turn the heater off and inspect for any objects on or adjacent to the heater that may have blocked the airflow or otherwise caused high temperatures to have occurred. If no obstruction is visible, the heater must be checked by a qualified person. **DO NOT OPERATE THE HEATER WHEN THE ALARM LIGHT IS ON.**
- 12- 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.

## SAVE THESE INSTRUCTIONS

## INSTALLATION INSTRUCTIONS

### CAUTION:

- Use supply wires suitable for 90 °C (194 °F).
- For bathroom use, the heater must be installed so that switches and other controls cannot be touched by anyone in the bath or shower.
- This product is not recommended with the ground fault circuit interrupter (GFCI). The humidity in the air can generate a leakage current higher than the limit of the GFCI which will cause the product to stop.

### SURFACE WALL MOUNTING:

- 1- Locate approximately the appropriate place to pull the electrical wiring from the wall. The wire shall be at the right of the wall bracket. Recommended clearance below heater base to floor is 4 in. (102 mm) minimum.
- 2- The 2 arrows on the support mark the center of the heater. Before installing support, align center of heater with support center mark and make sure the heater sides are at least 4 in. (102 mm) from any adjacent walls.
- 3- Lean the bottom of the bracket on the floor. Mark the height desired of the heater bottom using the wholes with inches written on the side. Remove the bracket. Screw partially 2 of the 4 screws supplied in the previous marks. Slide the bracket of the heater over the 2 screws into the keyholes. Mark the holes to screw the top of the bracket. Complete fixing the wall bracket by tightening the 4 screws.
- 4- Untighten wire holder (for Loomex cable) and make electrical connections by having the heater the nearest possible to the electrical wire. For BX cable, remove one of the two knock-outs, install a connector (not furnished) and have 6 to 8 in. (15 to 20 cm) of free wire and get them out of the hole of the wire holder in order to make connections from outside. Do not forget to connect the green wire to ground wire in order to have a safe grounded heater.
- 5- Once connections completed, place bottom T slots in the base part of support, and clip the upper side of the body in the upper U shape part of the support.
- 6- Do not let the excess of the supply wire come in contact with the back of the heater, as well as any other object.
- 7- Put the main power on.

### 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 and away from the sides. To reduce the risk of fire, do not store or use gasoline or other flammable vapors and liquids in the vicinity of the heater.

### IMPORTANT

Do not obstruct the front of the heater for at least 48 in. (1200 mm).

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## OPERATING INSTRUCTIONS

- The heater must be properly installed before it is used.
- Turn the power on at the circuit breaker panel.
- Electronic thermostat: Set the thermostat temperature at the wanted room temperature
- Consult the specific instructions of the thermostat.

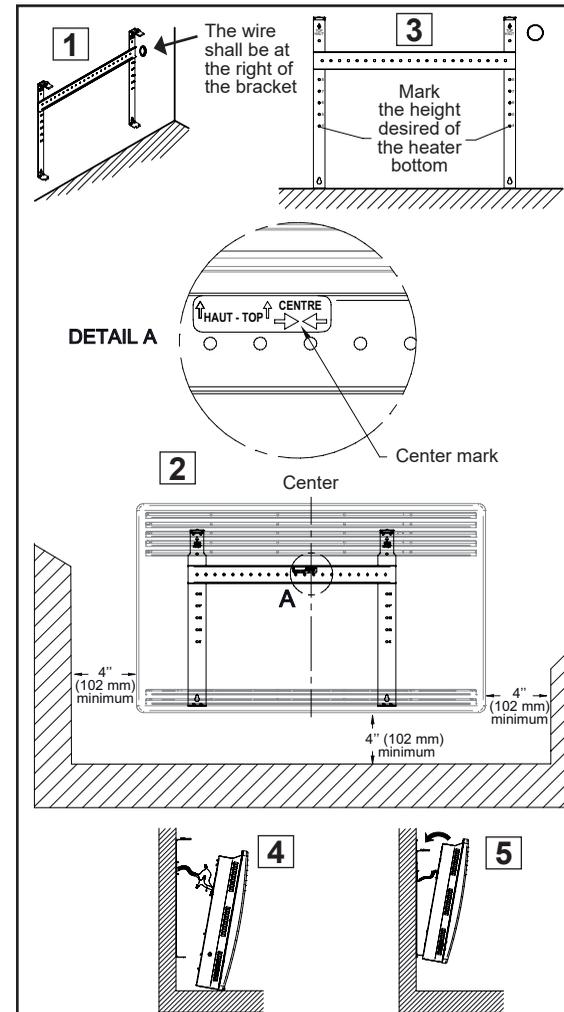
### CONTROL:

#### Model with built-in electronic thermostat:

The electronic thermostat shall keep the room temperature in a range of  $\pm 1$  °C ( $\pm 2$  °F) unless the room is not well insulated or the heater is too or not enough powerful for the room.

#### Model without control:

Use a proportional pulsing electronic thermostat with a cycle of 15 seconds maximum.



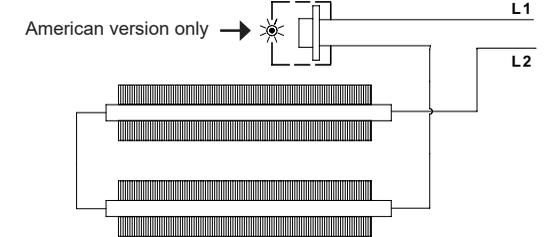
## MAINTENANCE INSTRUCTIONS

- 1- Once a year, remove the front panel and use a vacuum cleaner to remove the dust accumulation inside the heater and through openings of the front panel.
- 2- 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.
- 3- Replace the front panel before energizing.
- 4- Any other servicing should be performed by a qualified technician.

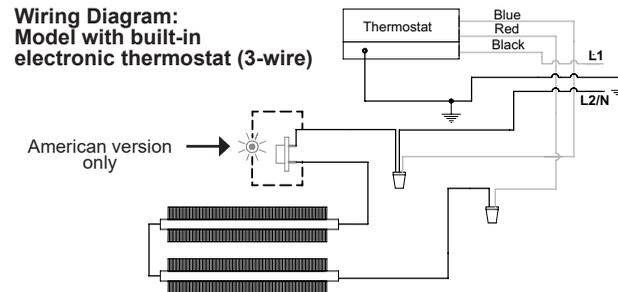
## WARRANTY

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

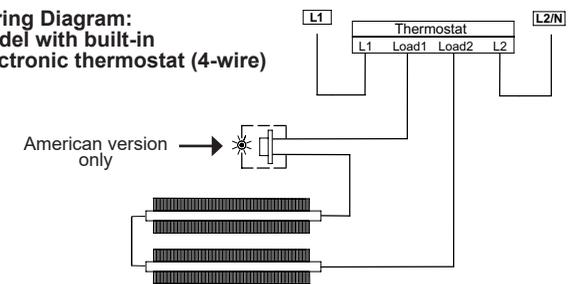
### Wiring Diagram: Model without control



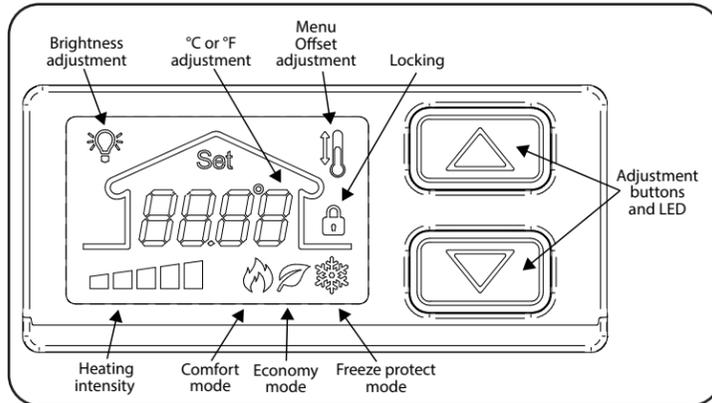
### Wiring Diagram: Model with built-in electronic thermostat (3-wire)



### Wiring Diagram: Model with built-in electronic thermostat (4-wire)



## USER MANUAL Digital Integrated Thermostat



### Technical specifications

Voltage, frequency: 120/240V, 50/60 Hz  
 Maximum load (resistive only): 12.5 A  
 Adjustment range: 5°C to 30°C (41°F to 86°F)  
 Resolution: 0.5°C (1°F)

### Operating mode

Comfort, economy, freeze protect.

### Button color meaning

White: Comfort mode  
 Yellow: Configuration menu or out of range display  
 Green: Economy mode  
 Blue: Freeze protect mode  
 Red: Thermostat in error

### Features

- Display in °C or °F.
- Button lock.
- Light of buttons and screen: ON or AUTO.
- Adjust the light brightness of the screen, scale from 0 to 5.
- Adjust ambient temperature offset.
- Setting the freeze protect mode 5°C to 10°C (41°F à 50°F) in the configuration menu.
- Setting the economy mode in the configuration menu.
- Return to initial state in case of power failure.
- Display range: 0°C to 36°C (32°F to 97°F).
- Out of range display (Yellow LED):  
 LO when under 0°C (32°F), HI when over 36°C (97°F).

### Error codes

E1: Temperature probe disconnected. Red LED. No heating.  
 E2: Temperature probe shorted. Red LED. No heating.  
 E6: Over temperature: Red LED flash quickly. No heating when the device is over temperature.

### Default setup

Economy mode: Lowers the setpoint temperature by -3°C (-6°F).  
 Freeze protect mode: Sets the temperature at 10°C (50°F).  
 Comfort mode: Temperature adjust at 21°C (70°F).  
 Light of the buttons and the screen: ON.  
 Screen brightness, set at 3.  
 Temperature offset 0°C (0°F).

### Navigation

Main Menu		
Increase the temperature	Press 1-second and release	Adjustment button ▲
Decrease the temperature	Press 1-second and release	Adjustment button ▼
Change mode	Maintain 1-second	Adjustment buttons ▲ ▼
Enter the menu	Maintain 5-second	Adjustment buttons ▲ ▼
Reset	Maintain 15-second	Adjustment buttons ▲ ▼
Configuration Menu		
Change menu	Maintain 1-second	Adjustment buttons ▲ ▼
Increase or change value	Press and release	Adjustment button ▲
Decrease of change value	Press and release	Adjustment button ▼
Exit menu	Maintain 5-second	Adjustment buttons ▲ ▼

### Operating modes

To change the operating mode, simultaneously press the 2 adjustment buttons for 1 second.

The thermostat offers three operating modes. The icon of the operating mode in application appears in the lower right corner of the screen.

	<b>Comfort mode (White):</b> Preferred mode when heating is necessary. E.g.: You are at home and want heating suitable for your comfort. Adjustment between 10°C to 30°C (50°F à 86°F).
	<b>Economy mode (Green):</b> Mode to privilege in the moments requiring less heating. E.g.: When you sleep or when you are not at home during the day, this mode saves energy during this time.
	<b>Freeze protect mode (Blue):</b> Mode to favor when very little heating is necessary. E.g.: You spend a week outside the house and heating of only 5°C to 10°C (41°F à 50°F) is sufficient during your absence.

### Temperature display

The thermostat displays the measured room temperature by default.

The heating intensity will be indicated by an intensity indicator.



To display the set temperature, press once for 1 second on one of the adjustment buttons. The set temperature appears for 5 seconds.

To change the set temperature, press the adjustment button once for 1 second, when the set temperature is displayed, press the adjustment button repeatedly until the desired temperature is displayed.

### Configuration menu

To configure the thermostat parameters, access the configuration menu by following the steps below:

- Press the two adjustment buttons simultaneously for 5 seconds until the adjustment buttons lights flash and release. The adjustment buttons will be yellow.
- Use the adjustment buttons to adjust the displayed parameter.
- To go to the next configuration; press the two adjustment buttons simultaneously and release immediately.
- In order to exit the configuration menu at any time and access the display, simultaneously press the two adjustment buttons for 5 seconds until the adjustment buttons lights flash or wait 5 seconds and the thermostat will exit the menu.

Note: The thermostat will automatically record any changes.

### Configuration of parameters

The options will be presented in the following order:

	<b>Economy mode (Green)</b> The economy mode can be set between -0.5°C and -5°C (-1°F and -9°F). E.g.: By setting this parameter to -3°C (-6°F), when this mode is selected the setpoint of the device will decrease by 3°C (6°F).
	<b>Freeze protect mode (Blue)</b> The freeze protect mode can be set between 5°C and 10°C (41°F and 50°F). E.g.: By setting this parameter to 7°C (45°F), when this mode is selected the setpoint of the device will be at 7°C (45°F).
	<b>Ambient temperature offset</b> The device's thermostat is calibrated in the laboratory to an accuracy of ± 0.5°. However, depending on the conditions in which it is installed, the actual ambient temperature in the room may be different from that displayed. In order for the room temperature to be exactly as displayed, you must use the room temperature offset function. Can be set from -5°C to +5°C (-9°F to +9°F), 0.1° resolution.
	<b>Locking</b> This feature eliminates unwanted temperature adjustments and the use of different thermostat modes. Before activating it, make sure you have set your set temperature correctly.
	<b>Brightness</b> Light intensity of the screen on a scale of 0 to 5.
	ON   Light On at all times (buttons and screen).
	AUTO   Light turns Off 5 seconds after use (buttons and screen).
	<b>Temperature display</b> °C or °F.

### Power outage

The thermostat restarts in the same mode as before the shutdown.