

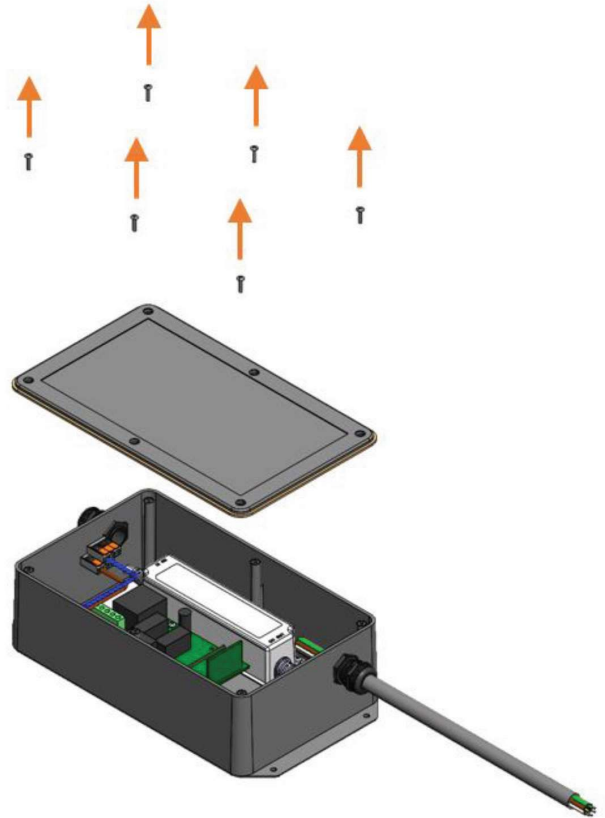
# ELECTRICAL INSTALLATION – PENDANT HEATERS CONTROL



## IMPORTANT

The controller must be installed in a space with free and open air flow which ensures ambient temperature does not exceed 86°F.

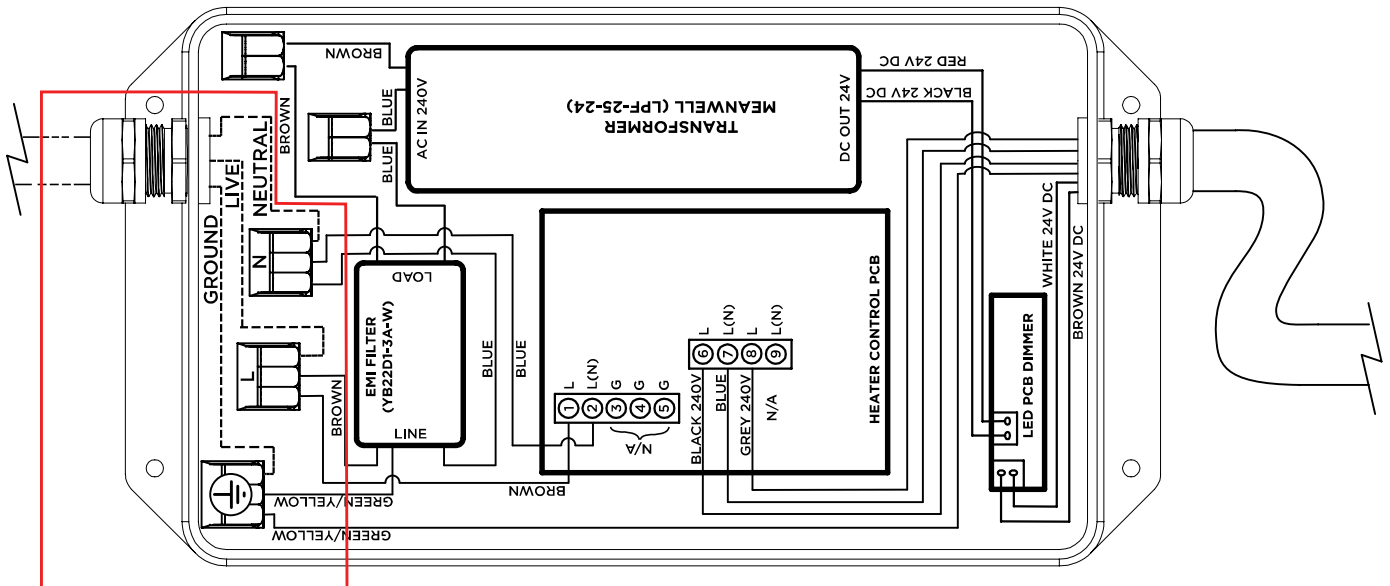
1. Open cover to the Pendant Control Box, by removing 6x Oval head screws (#4-40 - Length: 1/2") from the cover.



## DANGER


The Power source **MUST NOT** be live when installing the Eclipse Control Box.


2. Wire the power supply (not included) as per the wiring diagram. The Live, Neutral and Ground supply wires connect to their corresponding L, N and Ground (⊕) WAGO 3-way quick connectors.

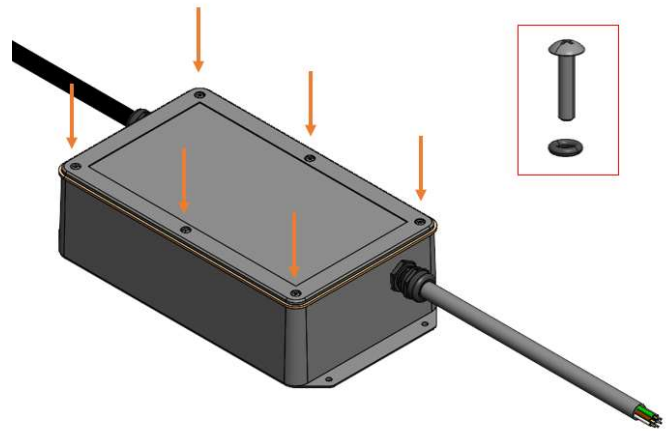


# ELECTRICAL INSTALLATION - PENDANT HEATERS CONTROL

3. Refit cover to the box, ensuring the 6 X M3 O-Rings are present on the 6x Oval head screws (#4-40 - Length: 1/2").

**6x**  #4-40 - Length: 1/2"  
(Preassembled)

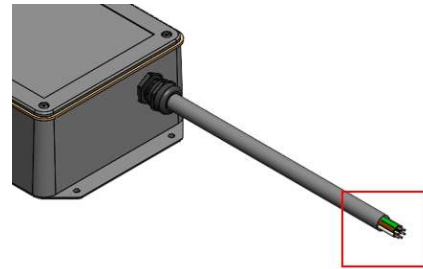
**6x**  M3 - O-Ring  
(Preassembled)



## DANGER

The Power source **MUST NOT** be live when installing the Eclipse Control Box.

4. Wire the 6 Core Cable from the Eclipse Control Box to the Corresponding coloured wires on the 6 core cable from the Eclipse Heater Head, according to local Electrical Code regulations.

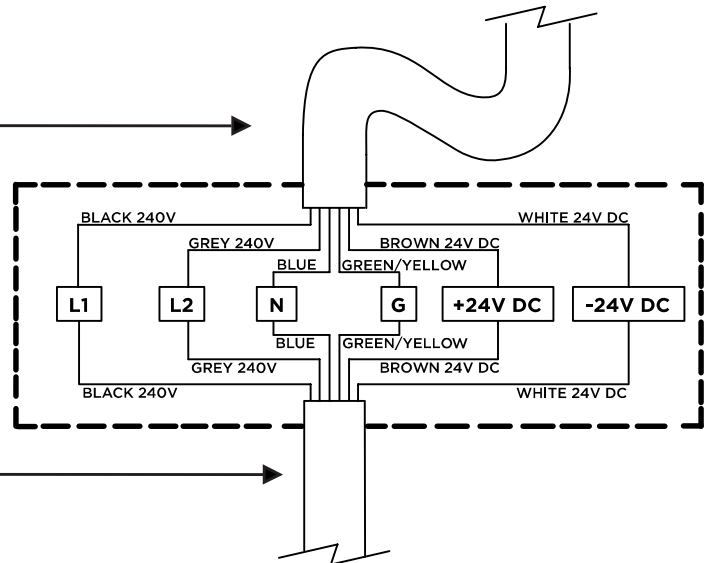


Ensure connection is adequately protected from the environment using an IP54 (or better) cover (not included) suitable for the application.

**Power cable from controller (Supplied with controller)**

**Junction box & terminals (Provided by installer)**

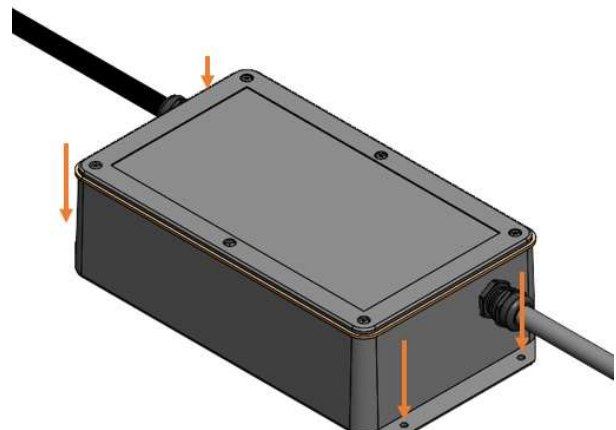
**Power cable from heater (Supplied with heater)**



## IMPORTANT

The controller must be installed in a space with free and open air flow which ensures ambient temperature does not exceed 86°.

5. Mount the Pendant Heater Control to the desired ceiling or wall location using appropriately sized and type screws (not included) for the mounting surface. Ensure the Pendant Heater Control is firmly secured with fasteners in the 4 holes before



# PENDANT HEATER CONTROL WIRING DIAGRAM

## FOR INSTALLATION USING BROMIC ECLIPSE PENDANT CONTROL

(Bromic Eclipse Pendant Control supplied separately)

**ONLY TO BE INSTALLED & SERVICED BY LICENSED & AUTHORIZED TECHNICIAN. APPLIANCE MANUAL MUST BE READ BEFORE INSTALLING OR SERVICING THIS PRODUCT.**

Power supply 220-240V - a.c.  
Minimum Circuit Ampacity 17A.  
(Provided by installer)

### NOTES:

- Supply connection must be protected with appropriate safety device, that includes isolation switch.
- Suitable junction box for connection to be supplied by installer.
- Control box must be located in an environment of no more than 86°F ambient, away from other heat sources and separation clearances maintained.
- Wiring must be completed according to local electrical code.
- 24VDC lighting circuit is to be separated inside the junction box from 220-240VAC circuits.
- Electrical installation must ensure earth continuity is checked.

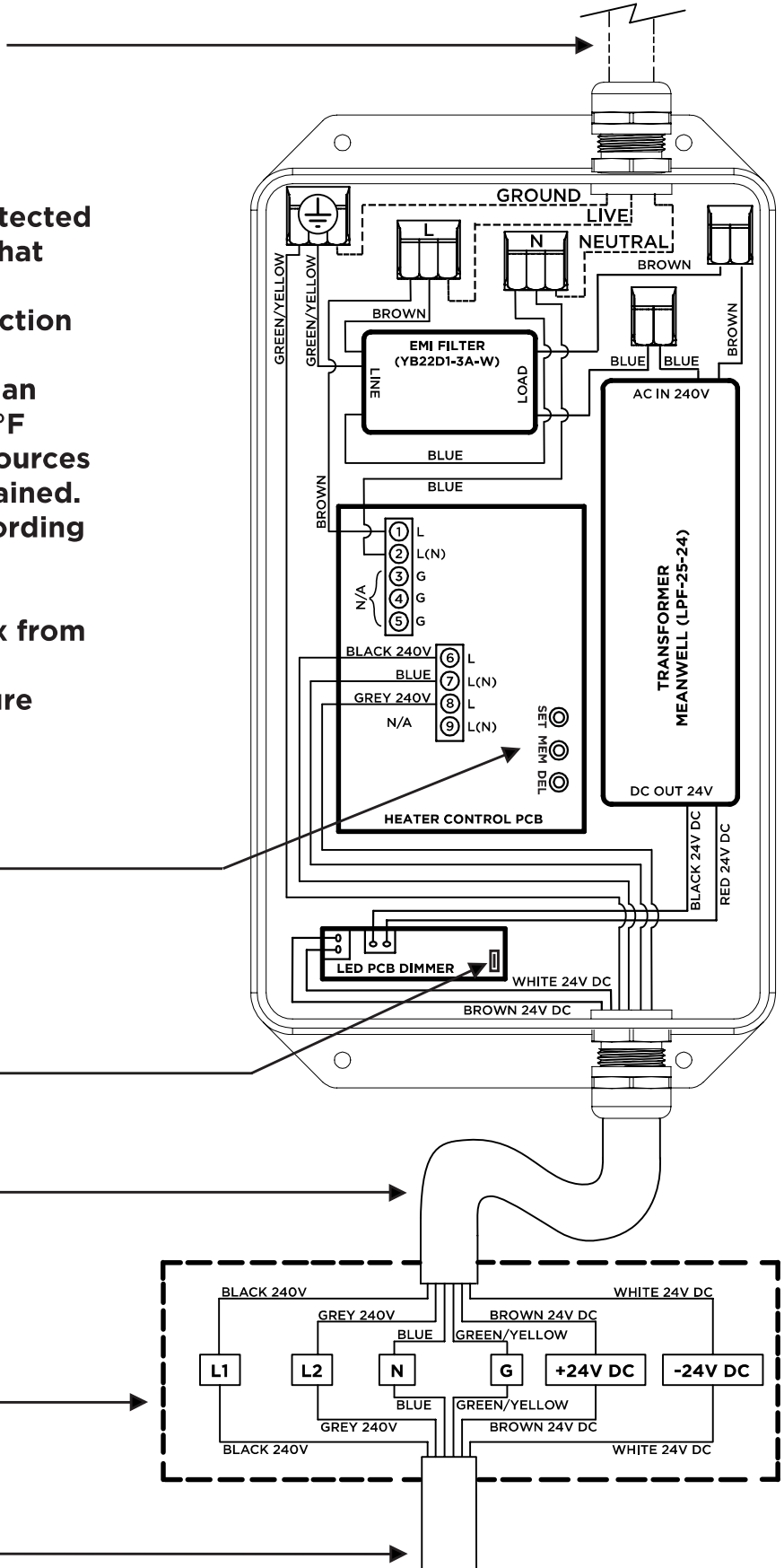
'MEM' button for re-pairing remote to Heater control PCB

Button for re-pairing remote to LED PCB

Power cable from controller (Supplied with controller)

Junction box & terminals (Provided by installer)

Power cable from heater (Supplied with heater)



# PENDANT HEATER CONTROL WIRING DIAGRAM

## FOR INSTALLATION NOT USING BROMIC ECLIPSE PENDANT CONTROL

ONLY TO BE INSTALLED & SERVICED BY LICENSED & AUTHORIZED TECHNICIAN.  
APPLIANCE MANUAL MUST BE READ BEFORE INSTALLING OR SERVICING THIS PRODUCT.

Power supply to suit  
rated input of transformer  
(Provided by installer)

LED Transformer  
Output: 24V DC,  
Power Rating: 25W Minimum  
(Provided by installer)

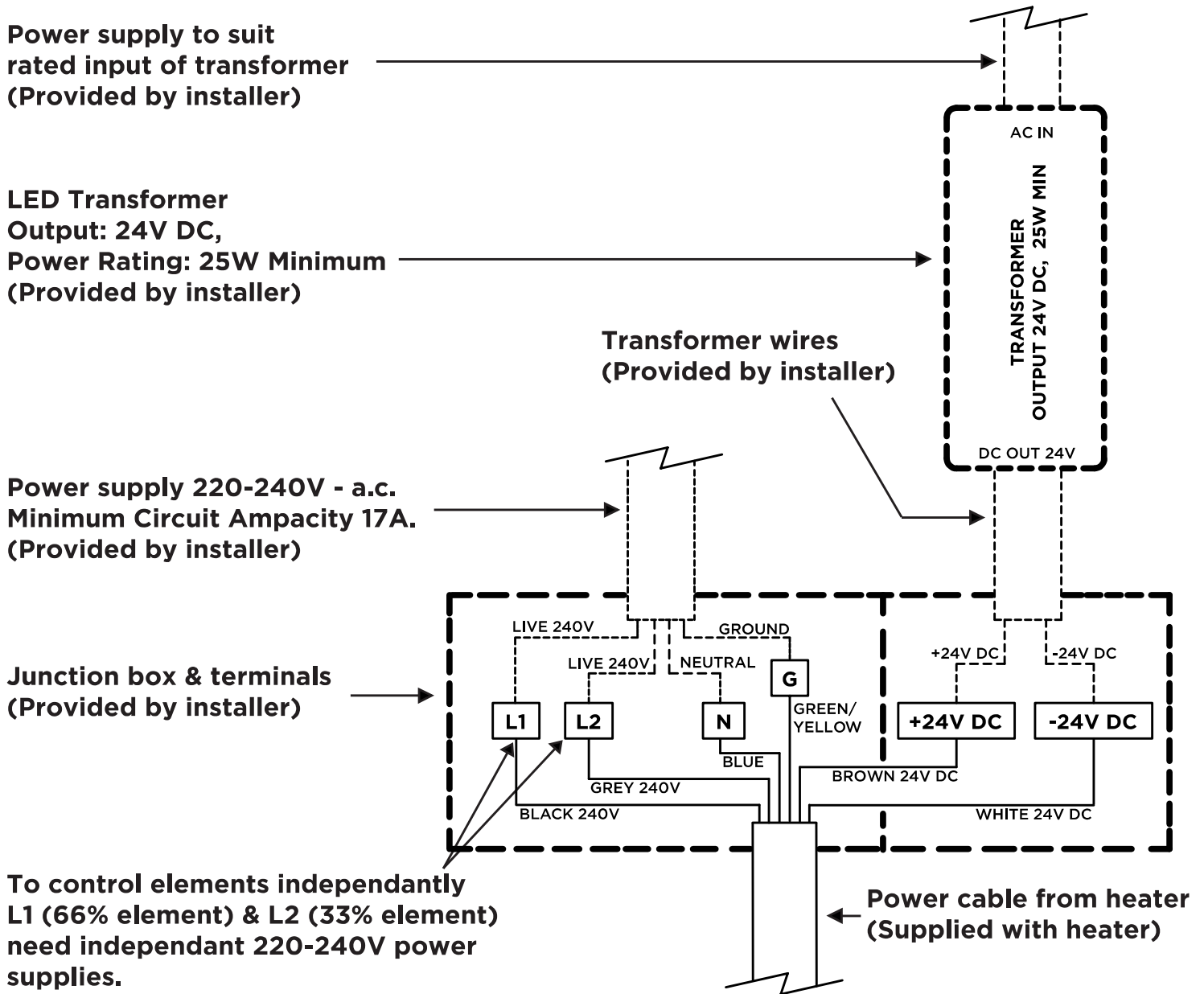
Power supply 220-240V - a.c.  
Minimum Circuit Ampacity 17A.  
(Provided by installer)

Junction box & terminals  
(Provided by installer)

To control elements independantly  
L1 (66% element) & L2 (33% element)  
need independant 220-240V power  
supplies.

### NOTES:

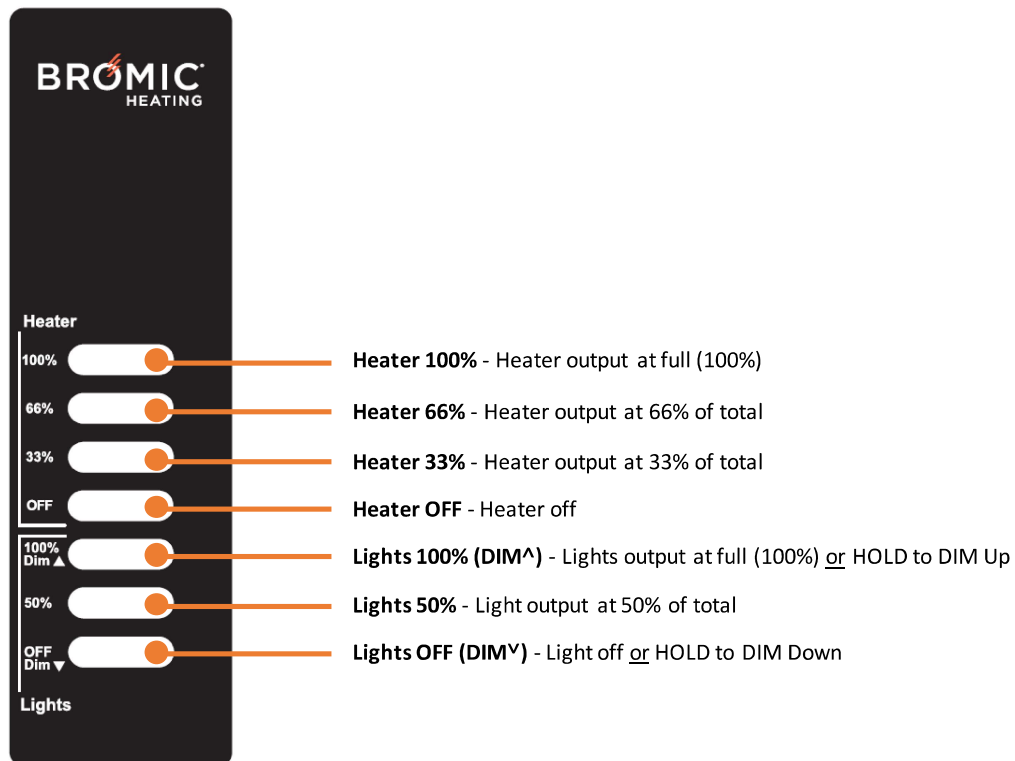
- Supply connection must be protected with appropriate safety device, that includes isolation switch.
- Suitable junction box for connection to be supplied by installer.
- Control must be located in an environment of no more than 86°F ambient, away from other heat sources and separation clearances maintained.
- Wiring must be completed according to local electrical code.
- 24V DC lighting circuit is to be separated inside the junction box from 220-240VAC circuits.
- Electrical installation must ensure earth continuity is checked



# OPERATING INSTRUCTIONS

## REMOTE CONTROL FUNCTIONS

(SUPPLIED WITH BROMIC ECLIPSE PENDANT CONTROL)



## TURNING THE APPLIANCE ON

- Using the Remote Control, select the desired Heater setting:
  - Heater 100% - Heater output at full (100%).
  - Heater 66% - Heater output at 66% of total.
  - Heater 33% - Heater output at 33% of total.
- Using the Remote Control, select the desired Light setting:
  - Lights 100% - Lights output at full (100%).
  - Lights 50% - Light output at 50% of total.
- To Lower lights, Press & Hold OFF DIM^ until the lights have lowered to the desired level.
- To Brighten lights, Press & Hold 100% DIM^ until the lights have increased to the desired level.

NOTE: It is normal to observe a small dim spot on the LED at the location where the LED joins together.



## TURNING THE APPLIANCE OFF

- Using the Remote Control, press on the desired Heater setting:
  - Heater OFF - Heater off.
- Using the Remote Control, select the desired Light setting:
  - Lights OFF (DIM^)

# OPERATING INSTRUCTIONS

## REMOTE CONTROL BATTERY

- Keep the batteries out of reach of children.
- Call a doctor immediately if a battery is swallowed.
- Explosion hazard if the battery is substituted incorrectly.
- Replace the battery with a CR2430 type battery only.
- Battery is not rechargeable and must not be recharged.
- Always wrap the battery up, both when it is being stored and when it is being disposed of. The battery should not come into contact with other metal objects as it could cause the battery to run down, catch fire or be damaged.
- Dispose of damaged or finished batteries immediately in compliance with the law. To this end, contact the authorities for safeguarding the environment or the centre for disposing of waste materials in your area.
- Do not throw the battery away with household rubbish.
- The supply terminals are not to be short-circuited.
- Battery must be inserted with correct polarity (+/-)!

To replace the battery:

1. Remove screw and open the back cover of the remote.
2. Take the old battery out and put the new one in the same way.

## PAIRING REMOTE CONTROL TO HEATER PCB (TOP 4 BUTTONS OF REMOTE).

**WARNING: MUST ONLY BE SERVICED BY LICENSED & AUTHORIZED TECHNICIAN.**



### DANGER

**ELECTRICAL SHOCK HAZARD!** Serious injury or death may occur. Do not touch any components other than specified below. Protective equipment including insulated gloves must be worn.

1. Open cover to the Pendant Control Box, by removing 6x Oval head screws (#4-40 - Length: 1/2") from the cover.
2. Switch the power supply to the Eclipse Pendant Control ON.
3. With the Eclipse Pendant Control powered ON, **PRESS & HOLD** the middle 'MEM' button on the large heater control PCB. (A long "Beep" sound should be heard whilst the button is held down).



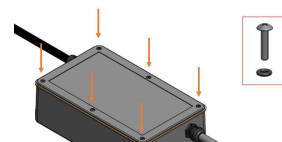
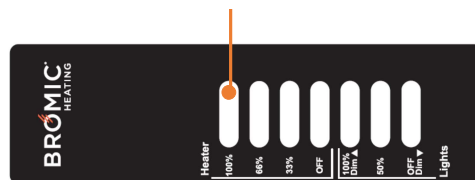
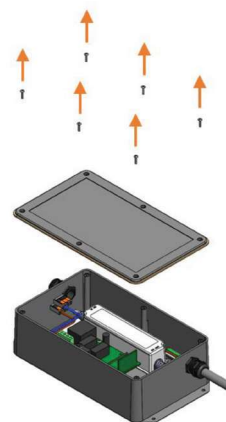
'MEM' button

Whilst the 'MEM' button is held down, **SHORT PRESS** the **Heater 100%** button on the remote control. (Three short "Beep" sounds should be heard to indicate the remote has been paired successfully).



**1s (short)**

4. Refit cover to the box, ensuring the 6 X M3 O-Rings are present on the 6x Oval head screws (#4-40 - Length: 1/2")



# OPERATING INSTRUCTIONS

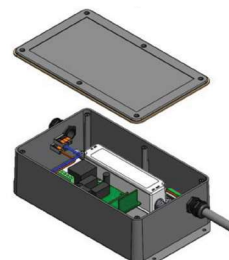
## PAIRING REMOTE CONTROL TO LED PCB (BOTTOM 3 BUTTONS OF REMOTE).

**WARNING: MUST ONLY BE SERVICED BY LICENSED & AUTHORIZED TECHNICIAN.**



### DANGER

**ELECTRICAL SHOCK HAZARD!** Serious injury or death may occur. Do not touch any components other than specified below. Protective equipment including insulated gloves must be worn.



1. Open cover to the Pendant Control Box, by removing 6x Oval head screws (#4-40 - Length: 1/2") from the cover.

2. Locate the small black button on the small LED PCB (shown in image on right), and the small button mid way down the back face of the remote (for later steps).

3. Switch the power supply to the Eclipse Pendant Control ON.



4. Using a thin item (e.g. paper clip/needle), **SHORT PRESS** the small button on the rear of the remote.

○ Remote Reset button

**1s (short)**



Within 5 seconds of pressing the small button on the rear of the remote, press the small black button on the LED PCB 3 times, holding the button down on the third press. (**2X SHORT PRESS** followed by **1X PRESS & HOLD**)

**1**      **2**      **3(hold)**



While the LED PCB button is held down, **SHORT PRESS** the **Lights 100%** button on the remote control.

**100% Dim ▲** **1s (short)**



5. The LED on the Heater head will flash 3 times to indicate the remote is paired.

6. Refit cover to the box, ensuring the 6 X M3 O-Rings are present on the 6x Oval head screws (#4-40 - Length: 1/2").

