

Thank you for purchasing a BNThermic product. Manufactured to a high standard, this product will, if used according to these instructions and properly maintained, give you years of trouble free performance. Please ensure instructions remain with your customer for their reference.



IMPORTANT: PLEASE READ THESE INSTRUCTIONS IN CONJUNCTION WITH THE HEATER INSTRUCTIONS, NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS, AND CAUTIONS. USE THIS PRODUCT CORRECTLY, AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY.



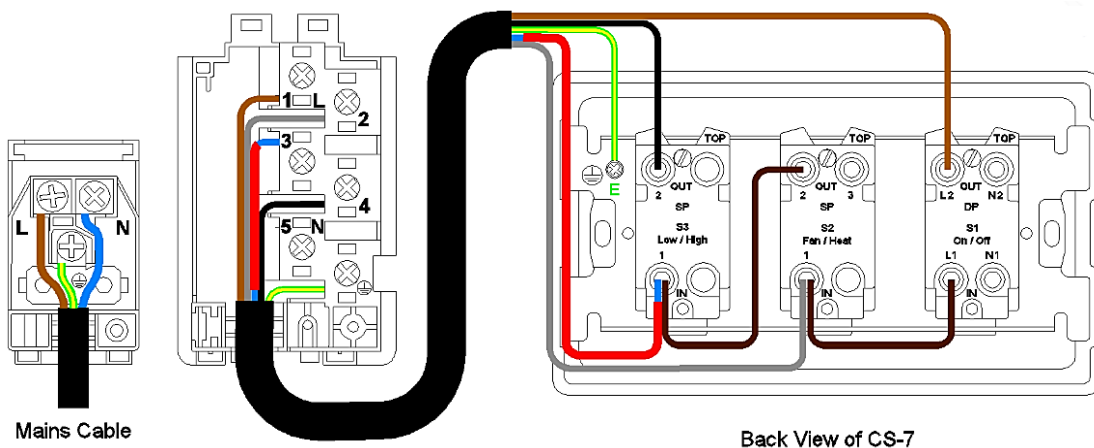
Please ensure you follow the correct wiring diagram for the heater you are connecting the CS-7 controller too. Incorrect installation may damage the heater and is not covered by the guarantee.

Please Note:- Specified cable sizes are for typical installations, correction factors may need to be used when determining actual cable sizes.


The model number of the heater can be found on the silver label attached to the heater close to the mains cable electrical connection box.

1. Heater Model – 830

Model- 830 + CS-7

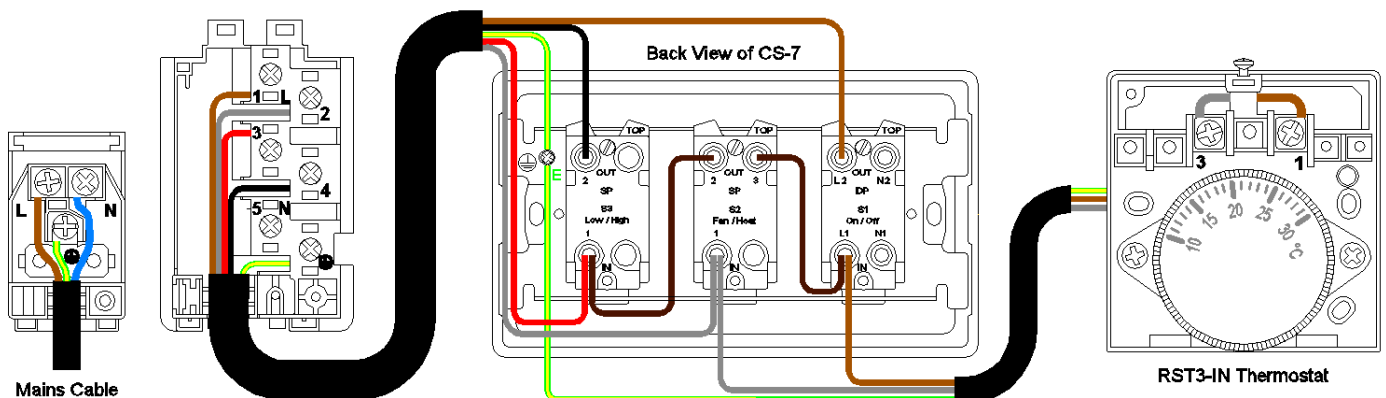


Use 1.5mm² 3 Core Mains Cable (see note above).
Use 1.5mm² 5 Core Cable to connect the heater to the CS-7 Controller (see note above).


Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown.

Model- 830 + CS-7 + Thermostat



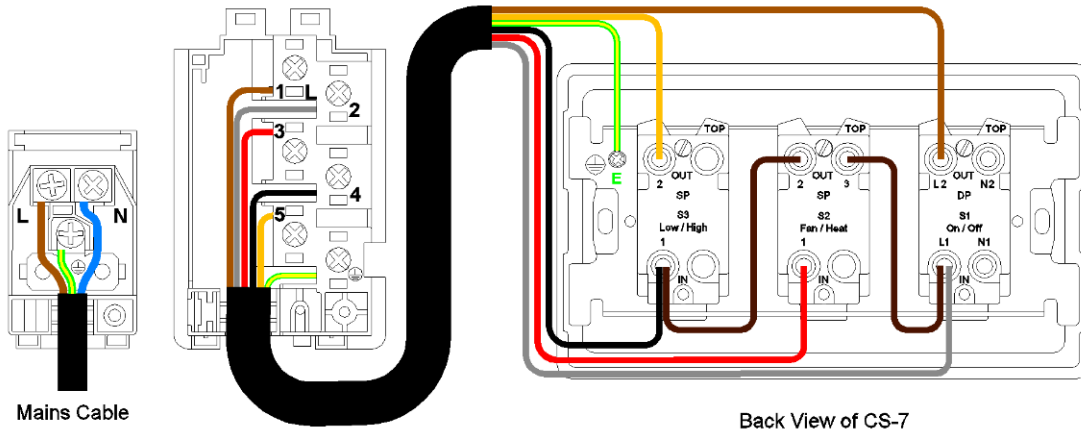
Use 1.5mm² 3 Core Mains Cable (see note above).
Use 1.5mm² 5 Core Cable to connect the heater to the CS-7 Controller (see note above).
Use 1.5mm² 3 Core Cable to connect the CS-7 Controller to Thermostat (see note above).

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown above.


Please Note:- Specified cable sizes are for typical installations, correction factors may need to be used when determining actual cable sizes.

2. Heater Model – 830T



Model- 830T + CS-7

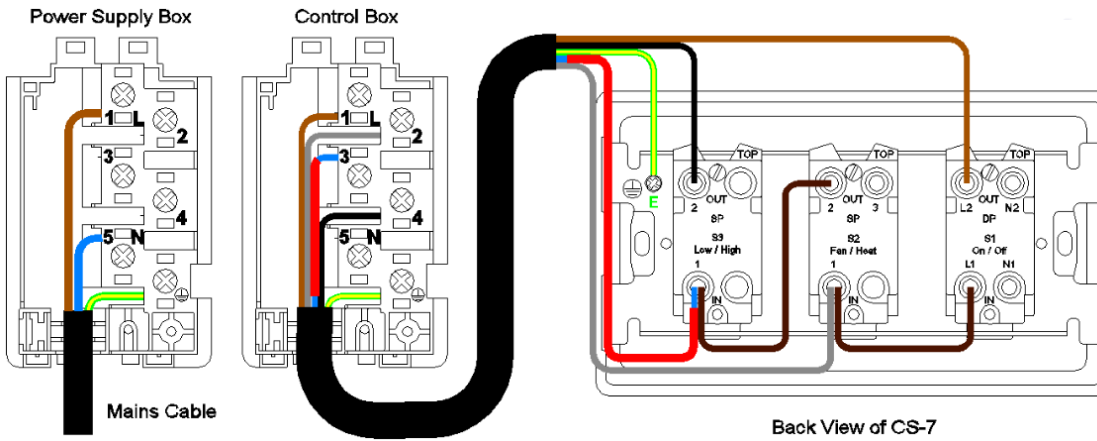
Use 1.5mm² 3 Core Mains Cable (see note above).
Use 1.5mm² 6 Core Cable to connect the heater to the CS-7 Controller (see note above).

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown.


3. Heater Models – 860 / SCHG-60 / SMH-60 or RH60

Models- 860 or SCHG-60 or SMH-60 or RH60 + CS-7



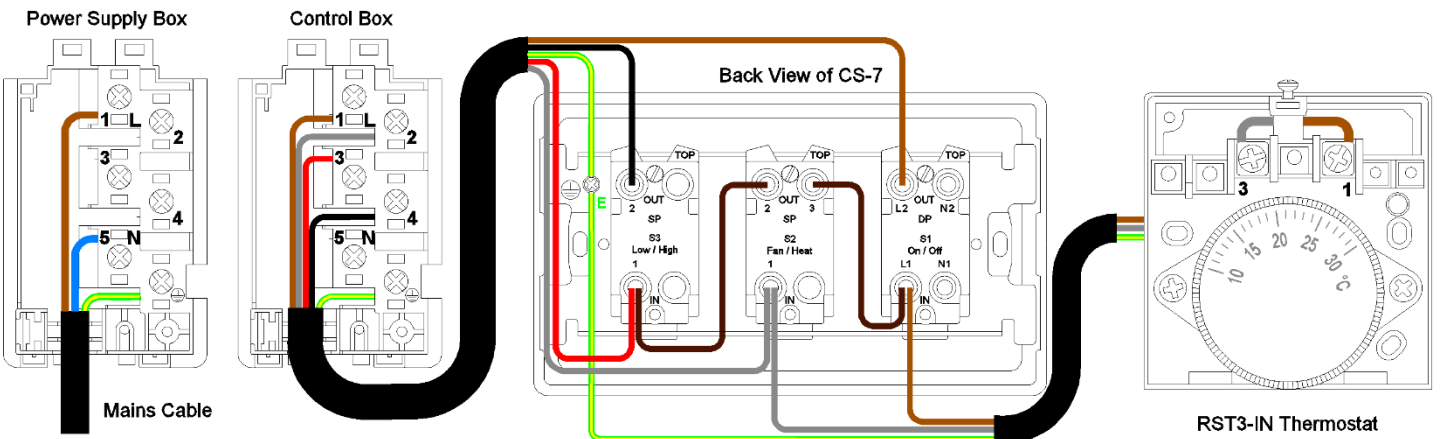
Use 4mm² 3 Core Mains Cable (see note above).

Use 1.5mm² 5 Core Cable to connect the heater to the CS-7 Controller (see note above).

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown


Models- 860 or RH60 + CS-7 + Thermostat



RST3-IN Thermostat

Use 4mm² 3 Core Mains Cable (see note above). Use 1.5mm² 5 Core Cable to connect the heater to the CS-7 Controller (see note above).

Use 1.5mm² 3 Core Cable to connect the CS-7 Controller to Thermostat (see note above).

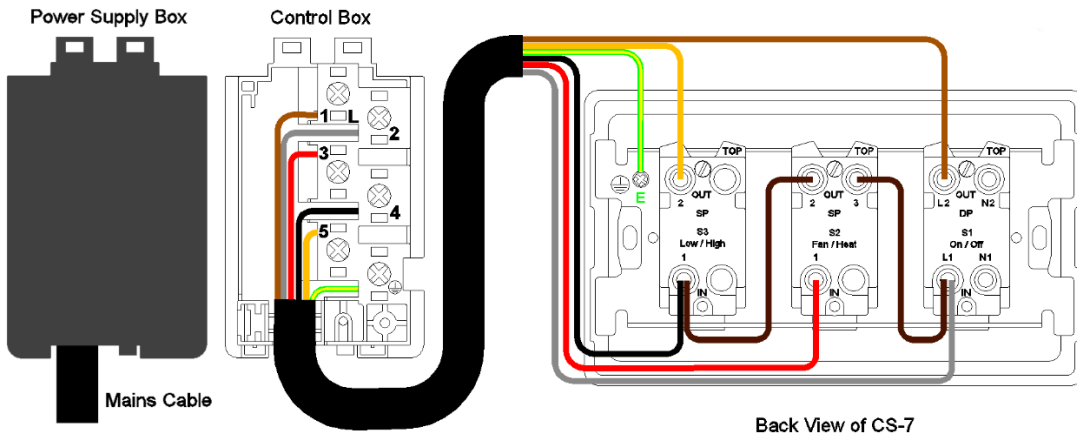
Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown above.

Please Note:- Specified cable sizes are for typical installations, correction factors may need to be used when determining actual cable sizes.

4. Heater Models – 860T / 890T

Models- 860T or 890T + CS-7




For Mains cable wiring see instructions with each Heater

Control Box Wiring

For 860T heater Use 1.5mm² 6 Core Cable to connect the heater to the CS-7 Controller (see note above).

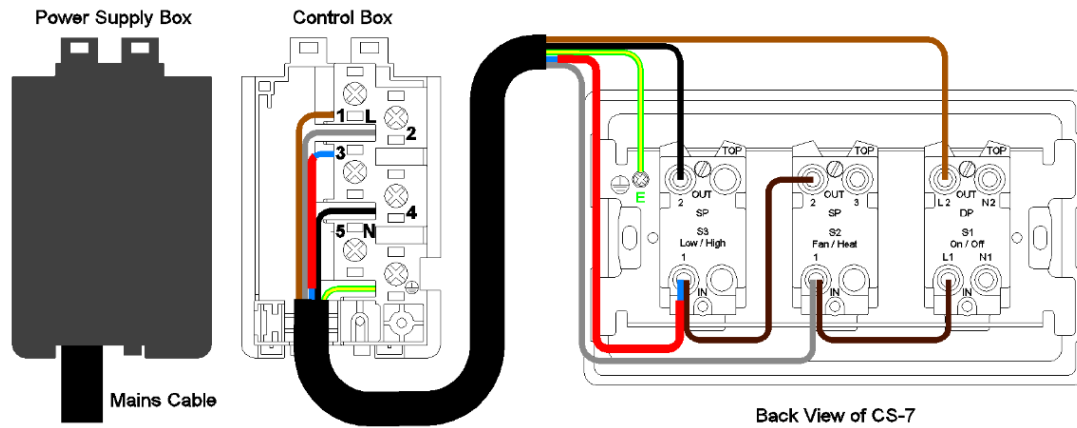
For 890T heater use 0.75mm² 6 Core Cable to connect the heater to the CS-7 Controller

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown.

5. Heater Model – 890


Model – 890 + CS-7



For Mains cable wiring see instructions with Heater

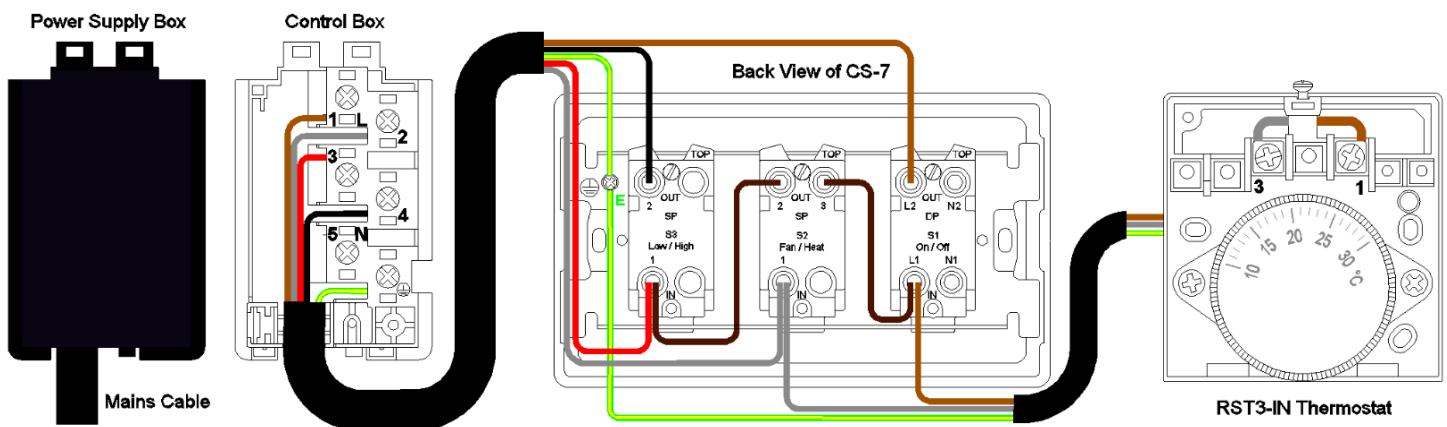
Control Box Wiring

Use 0.75mm² 5 Core Cable to connect the heater to the CS-7 Controller (see note above).

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.


Ensure the dark brown link wires are in the correct position as shown.

Model - 890 + CS-7 + Thermostat



For Mains cable wiring see instructions with each Heater

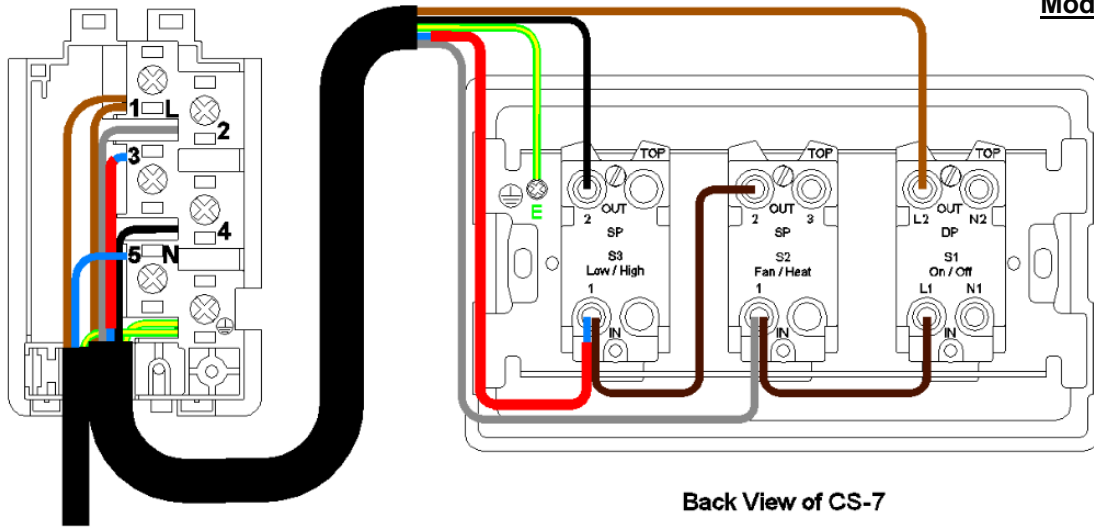
Use 0.75mm² 5 Core Cable to connect the heater to the CS-7 Controller (see note above).
Use 0.75mm² 3 Core Cable to connect the CS-7 Controller to Thermostat (see note above).

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown above.


6. Heater Models – RH20 / RH30

Models- RH20 / RH30 + CS-7



Mains Cable

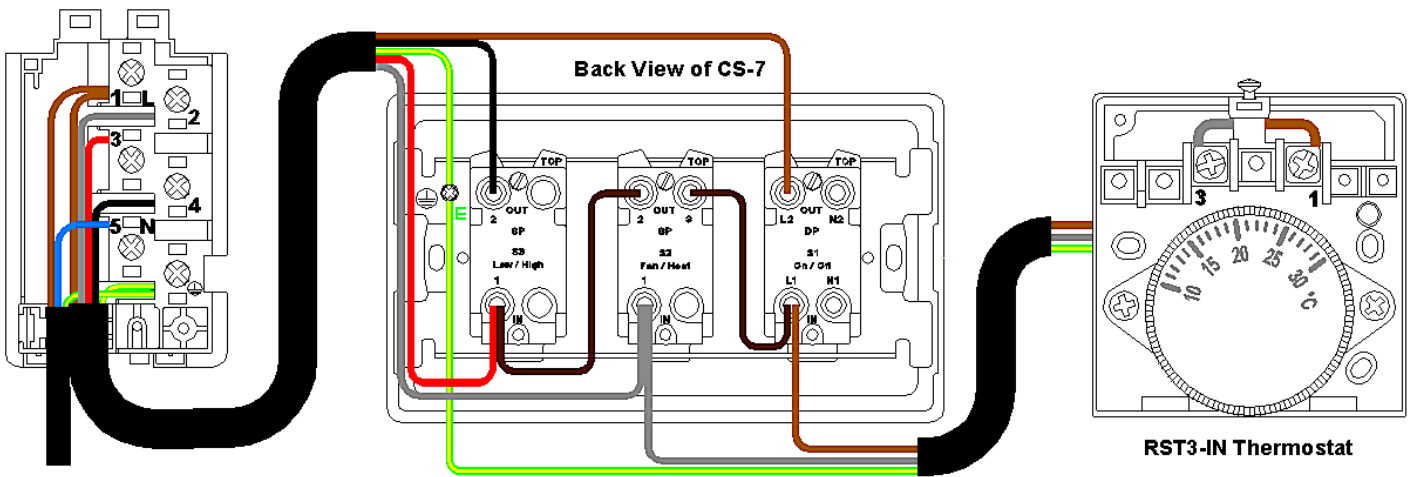
Use 1.5mm² 3 Core Mains Cable (see note above).
Use 1.5mm² 5 Core Cable to connect the heater to the CS-7 Controller (see note above).

Remove any links  that may be present in heater terminal box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown.

Back View of CS-7

Models- RH20 / RH30 + CS-7 + Thermostat




Mains Cable

Back View of CS-7

RST3-IN Thermostat

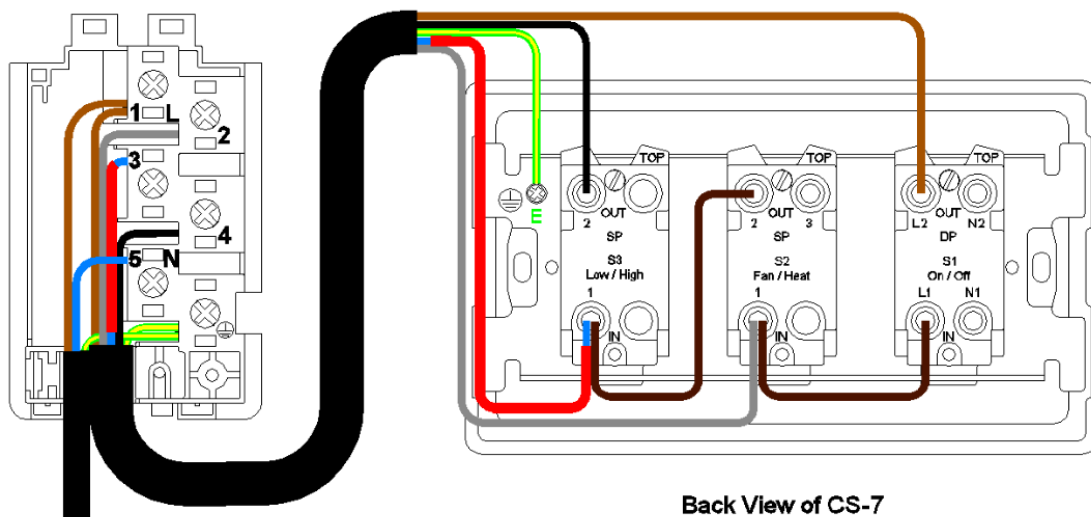
Use 1.5mm² 3 Core Mains Cable (see note above). Use 1.5mm² 5 Core Cable to connect the heater to the CS-7 Controller (see note above).
Use 1.5mm² 3 Core Cable to connect the CS-7 Controller to Thermostat (see note above).

Remove any links  that may be present in heater terminal box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown above.

7. Heater Models – SCHG-30 / 45 or SMH-30 / 45

Models- SCHG-30/45 + CS-7 or SMH-30/45




Mains Cable

Back View of CS-7

Use 2.5mm² 3 Core Mains Cable (SCHG-45 or SMH-45) or 1.5mm² 3 Core Mains Cable (SCHG-30 or SMH-30) (see note above).

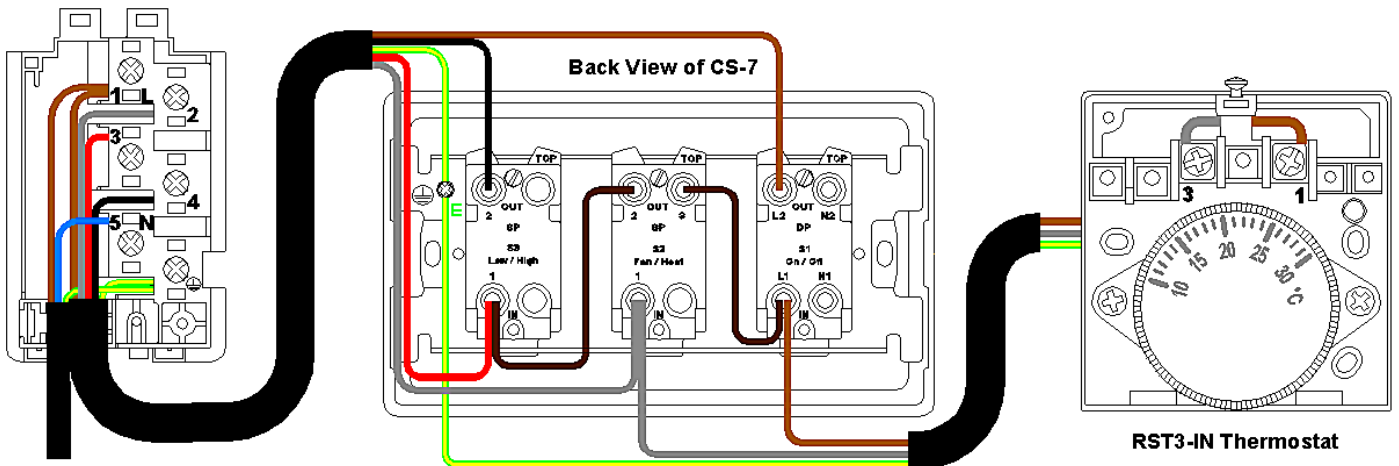
Use 2.5mm² 5 Core Cable (SCHG-45 or SMH-45) or 1.5mm² 5 Core Cable (SCHG-30 or SMH-30) to connect the heater to the CS-7 Controller (see note above).

Remove any links  that may be present in heater terminal box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown

Please Note:- Specified cable sizes are for typical installations, correction factors may need to be used when determining actual cable sizes.


Models- SCHG-30/45 or SMH-30/45 + CS-7 + Thermostat



Mains Cable

RST3-IN Thermostat

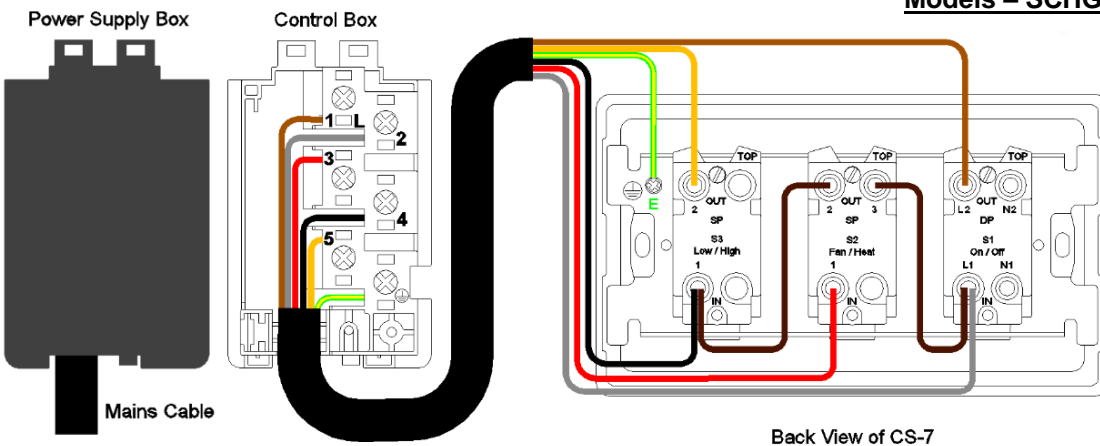
Use 2.5mm² 3 Core Mains Cable (SCHG-45 or SMH-45) or 1.5mm² 3 Core Mains Cable (SCHG-30 or SMH-30) (see note above).
 Use 2.5mm² 5 Core Cable (SCHG-45 or SMH-45) or 1.5mm² 5 Core Cable (SCHG-30 or SMH-30) to connect the heater to the CS-7 Controller (see note above).
 Use 2.5mm² 3 Core Cable (SCHG-45 or SMH-45) or 1.5mm² 3 Core Cable (SCHG-30 or SMH-30) to connect the CS-7 Controller to Thermostat (see note above).

Remove any links  that may be present in heater terminal box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown above


8. Heater Models – SCHG-30T or SMH-30T

Models – SCHG-30T or SMH-30T + CS-7



For Mains cable wiring see instructions with each Heater

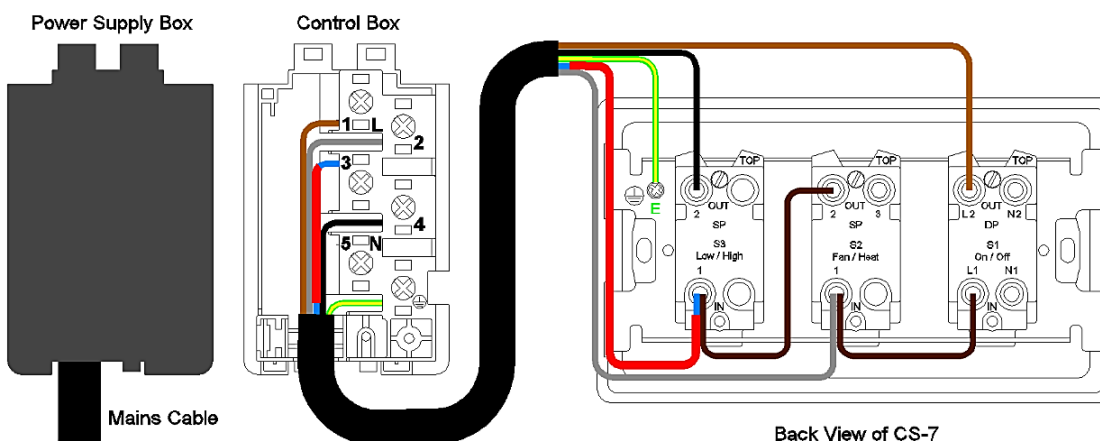
Control Box Wiring
 Use 1.5mm² 6 Core Cable to connect the heater to the CS-7 Controller (see note above).

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown.


9. Heater Models – CAS-30

Model – CAS-30



For Mains cable wiring see instructions with each Heater

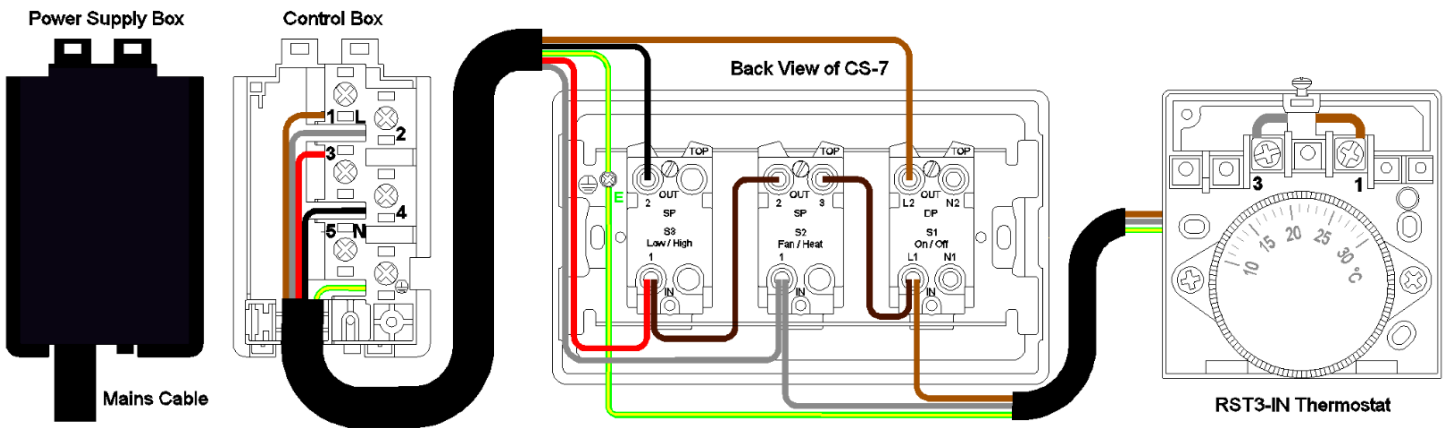
Control Box Wiring
 Use 1.5mm² 6 Core Cable to connect the heater to the CS-7 Controller (see note above).

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown.


Please Note:- Specified cable sizes are for typical installations, correction factors may need to be used when determining actual cable sizes.

Models- CAS-30 + CS-7 + Thermostat



For Mains cable wiring see instructions with each Heater

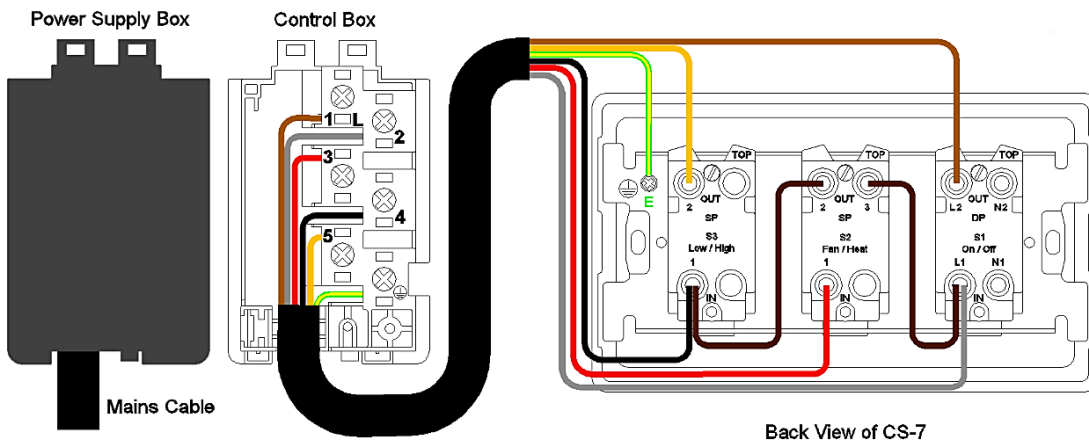
Use 1.5mm² 5 Core Cable to connect the heater to the CS-7 Controller (see note above).
 Use 1.5mm² 3 Core Cable to connect the CS-7 Controller to Thermostat (see note above).

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown above.


10. Heater Models – CAS-30T / CAS-45T

Models – CAS-30T and CAS-45T



For Mains cable wiring see instructions with each Heater

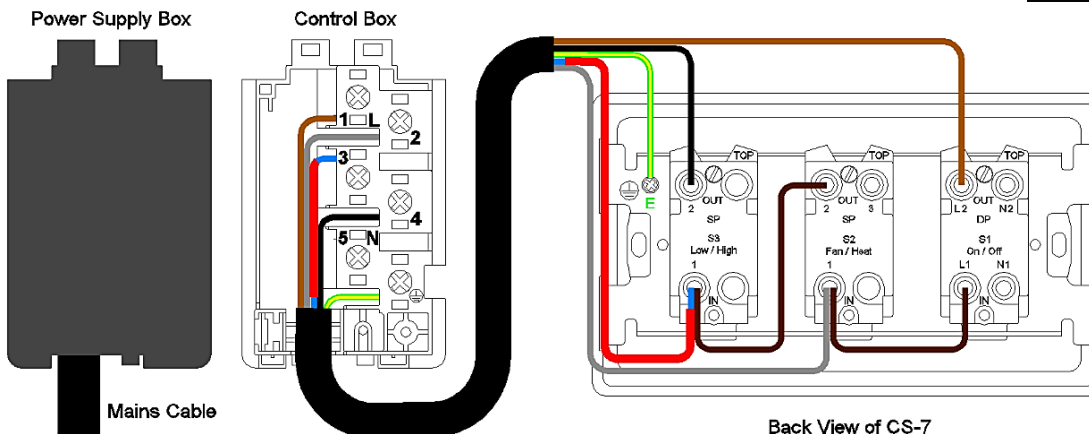
Control Box Wiring
 Use 2.5mm² 6 Core Cable (CAS-45T) or 1.5mm² 6 Core Cable (CAS-30T) to connect the heater to the CS-7 Controller (see note above).

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown.


11. Heater Models – CAD-60 / CAD-90

Models – CAD-60 and CAD-90



For Mains cable wiring see instructions with each Heater

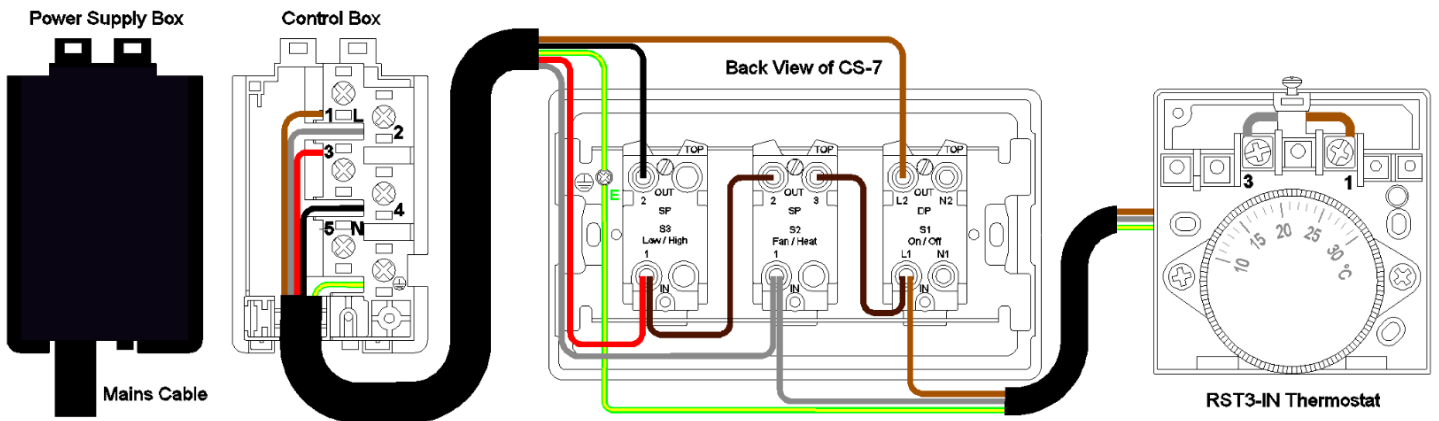
Control Box Wiring
 Use 1.5mm² 5 Core Cable (CAD-60) or 0.75mm² 5 Core Cable (CAD-90) to connect the heater to the CS-7 Controller (see note above). Note:- CAD-90 has an extra relay present hence only 0.75mm² cable.

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown.


Please Note:- Specified cable sizes are for typical installations, correction factors may need to be used when determining actual cable sizes.

Models- CAD-60 and CAD-90 + CS-7 + Thermostat



For Mains cable wiring see instructions with each air curtain

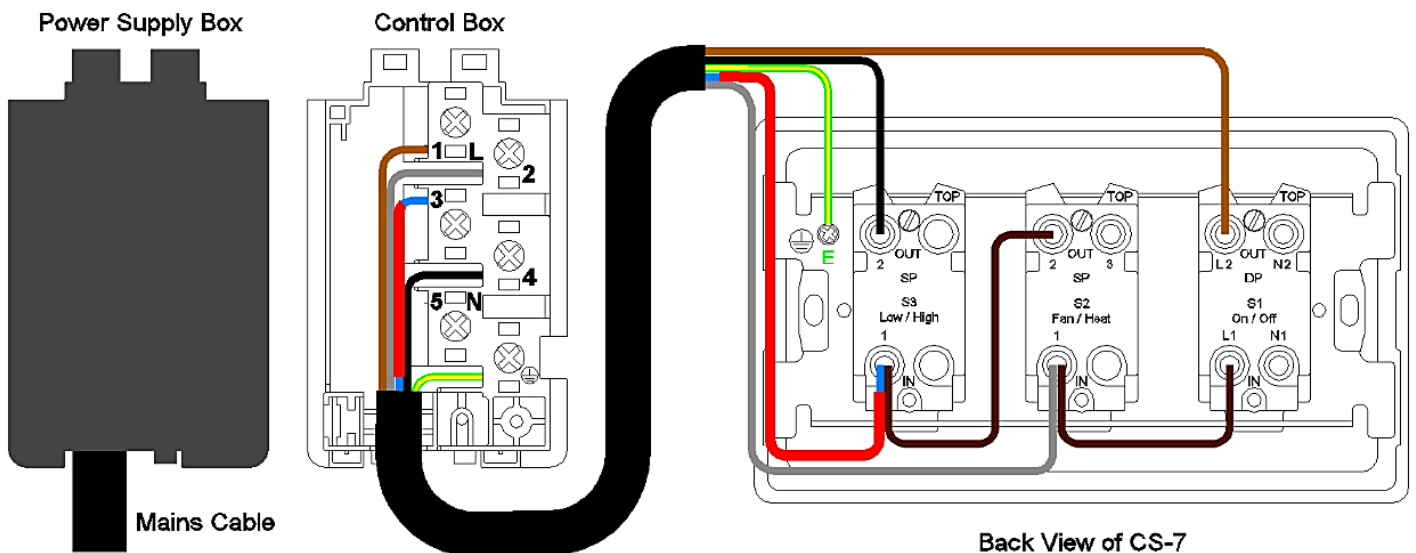
Use 1.5² 5 Core Cable (CAD-60) or 0.75mm² 5 Core Cable (CAD-90) to connect the air curtain to the CS-7 Controller (see note above).
 Use 1.5mm² 4 Core Cable (CAD-60) or 0.75mm² 3 Core Cable (CAD-90) to connect the CS-7 Controller to Thermostat (see note above).
 Please note:- The CAD-90 air curtain has an extra relay present hence only 0.75mm² cable.

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown above.

12. Heater Models – CAT-90 / CAT-135


Models – CAT-90 and CAT-135



For Mains cable wiring see instructions with each air curtain

Control Box Wiring

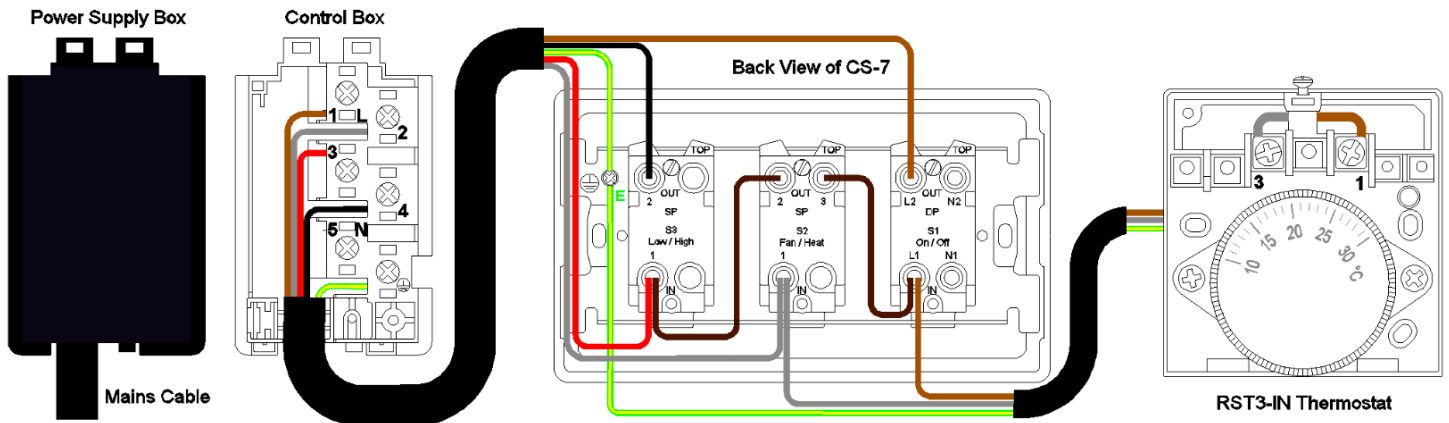
Use 0.75mm² 5 Core Cable (CAT-90) or 0.75mm² 5 Core Cable (CAT-135) to connect the heater to the CS-7 Controller (see note above).

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown above.

Please Note:- Specified cable sizes are for typical installations, correction factors may need to be used when determining actual cable sizes.


Models- CAT-90 and CAT-135+ CS-7 + Thermostat



For Mains cable wiring see instructions with each air curtain

Use 0.75mm² 5 Core Cable (CAT-90) or 0.75mm² 5 Core Cable (CAT-135) to connect the heater to the CS-7 Controller (see note above).

Use 0.75mm² 3 Core Cable (CAT-90) or 0.75mm² 3 Core Cable (CAT-135) to connect the CS-7 Controller to Thermostat (see note above).

Remove any links  that may be present in heater control box between terminals 1,2,3,4 or 5.

Ensure the dark brown link wires are in the correct position as shown above.

PLEASE CHECK ALL CONNECTIONS BEFORE TURNING ON AS INCORRECT WIRING IS NOT COVERED BY THE GUARANTEE

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

WARRANTY: Your BN Thermic product is guaranteed for one year from date of purchase. We will repair or replace at our discretion any part found to be defective. We cannot assume any consequential liability. This guarantee in no way prejudices your rights under common law and is offered as an addition to consumer liability rights.

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