

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.



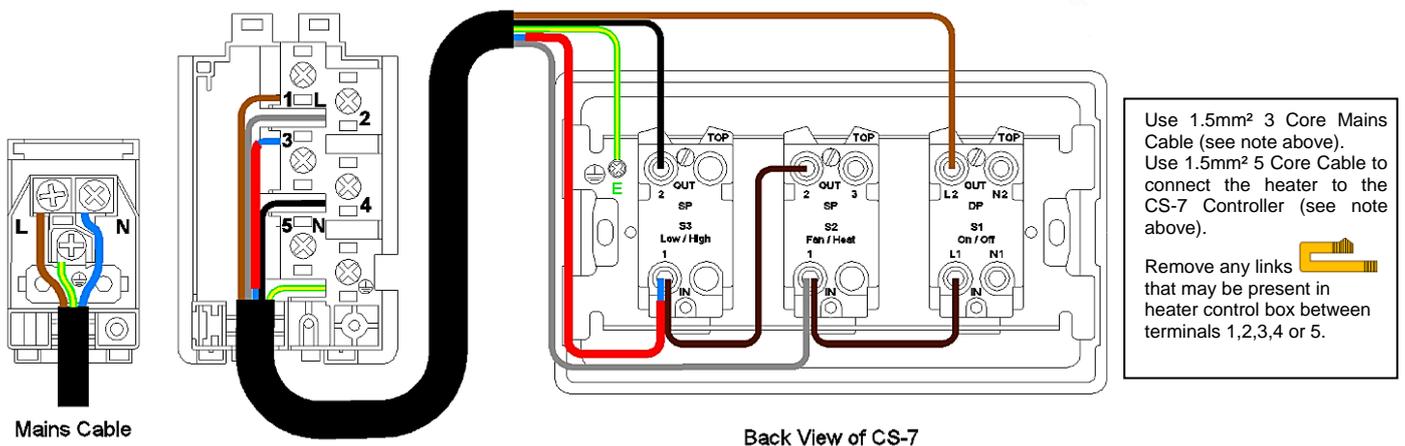
Please ensure you follow the correct wiring diagram for the heater you are connecting the CS-7 controller too. Incorrect installation may damage the heater and is not covered by the guarantee.

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

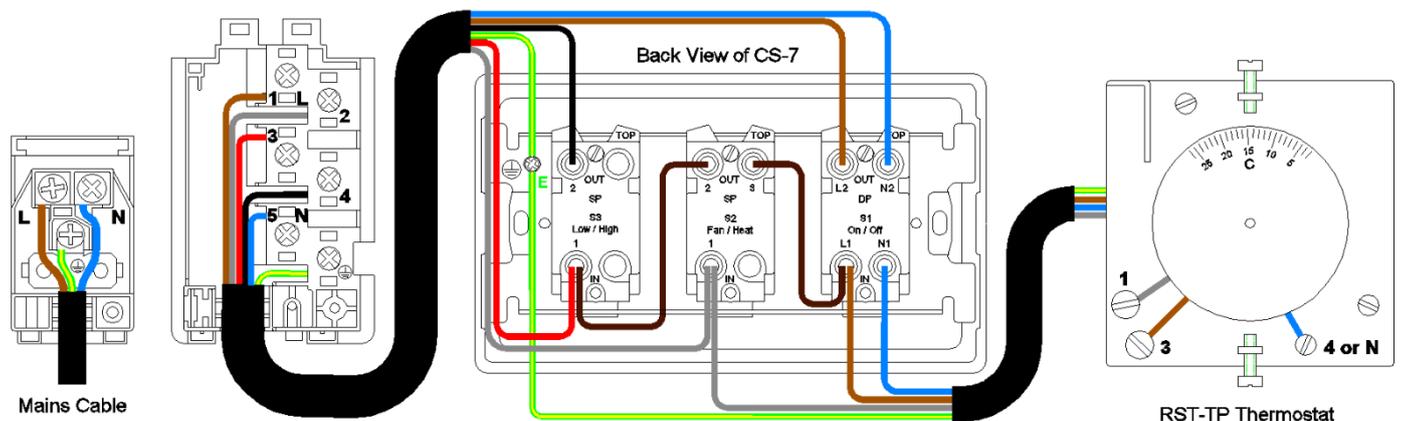
The model number of the heater can be found on the silver label attached to the heater close to the mains cable electrical connection box.

1. Heater Model – 830

Model- 830 + CS-7



Model- 830 + CS-7 + Thermostat

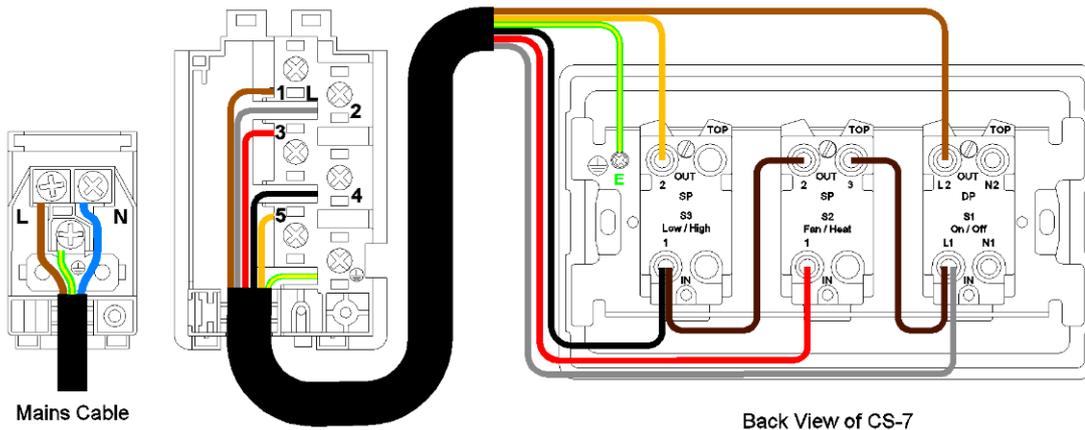


Use 1.5mm² 3 Core Mains Cable (see note above).
Use 1.5mm² 6 Core Cable to connect the heater to the CS-7 Controller (see note above).
Use 1.5mm² 4 Core Cable to connect the CS-7 Controller to Thermostat (see note above).

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



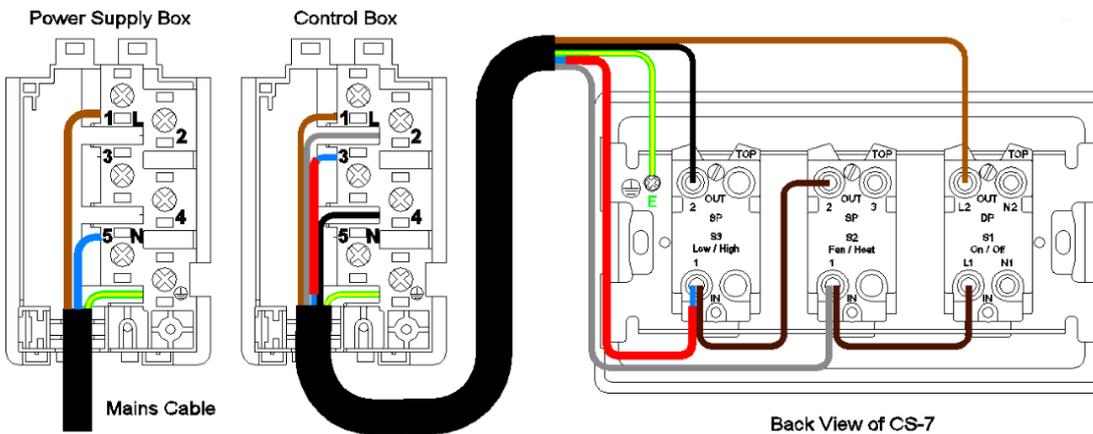
Model- 830T + CS-7

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

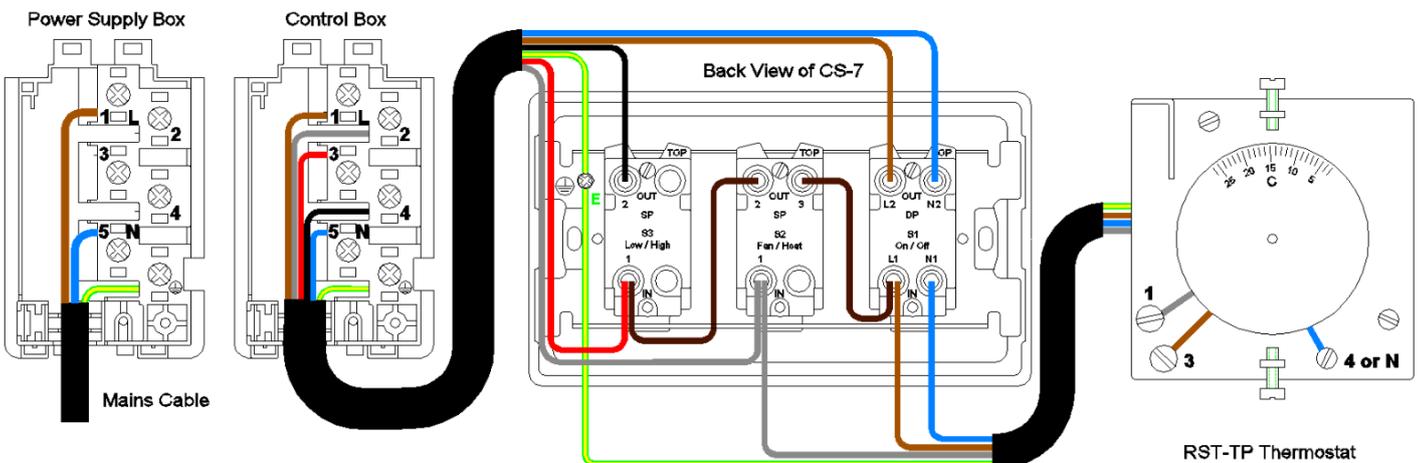


Use 4mm² 3 Core Mains Cable (see note above).

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



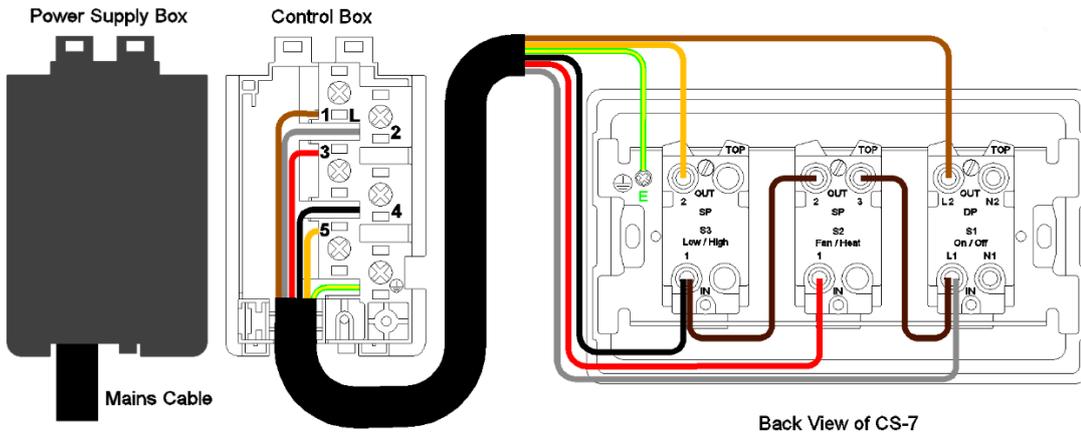
Use 4mm² 3 Core Mains Cable (see note above). Use 1.5mm² 6 Core Cable to connect the heater to the CS-7 Controller (see note above).
Use 1.5mm² 4 Core Cable to connect the CS-7 Controller to Thermostat (see note above).

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 / SCHG-60T / SMH-60T

Models- 860T or 890T or SCHG-60T or SMH-60T + CS-7



For Mains cable wiring see instructions with each Heater

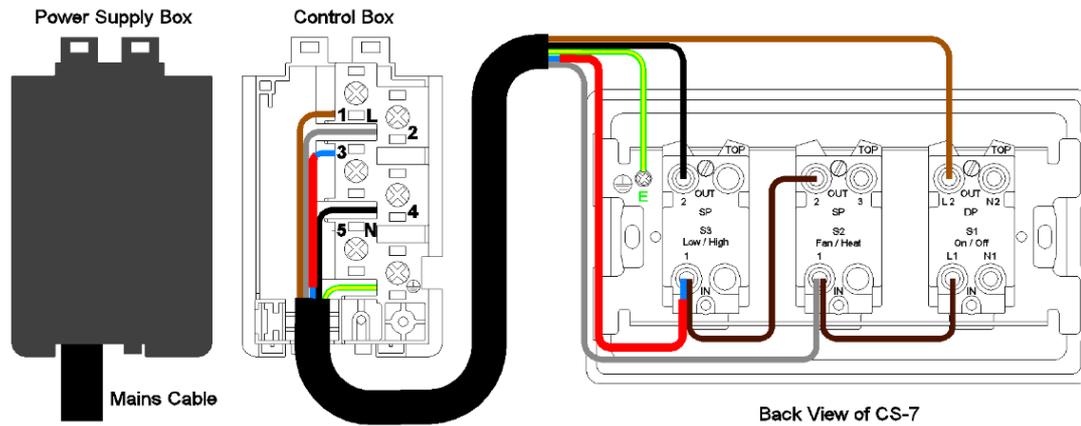
Control Box Wiring

Use 1.5mm² 6 Core Cable to connect the heater to the CS-7 Controller for all heaters except 890T (see note above).

For 890T heater use 0.750mm² 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

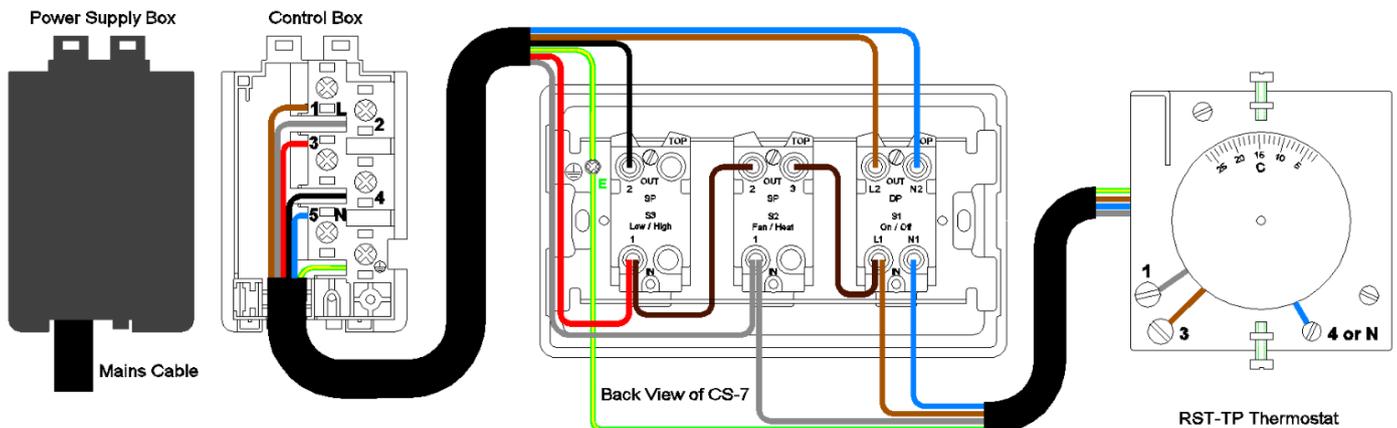
For Mains cable wiring see instructions with Heater

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.

Model - 890 + CS-7 + Thermostat



For Mains cable wiring see instructions with Heater

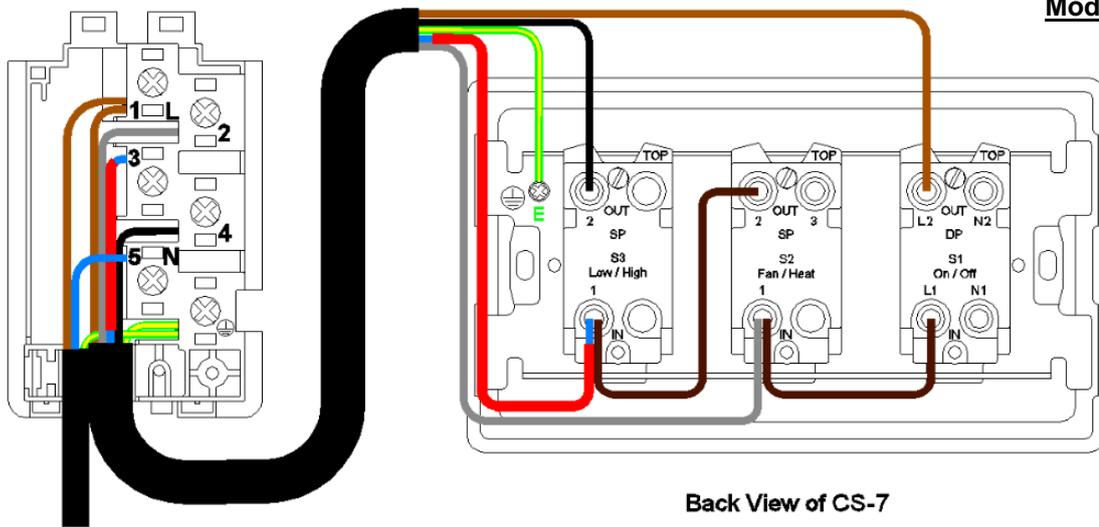
Control Box Wiring

Use 0.75mm² 6 Core Cable to connect the heater to the CS-7 Controller (see note above).
Use 0.75mm² 4 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

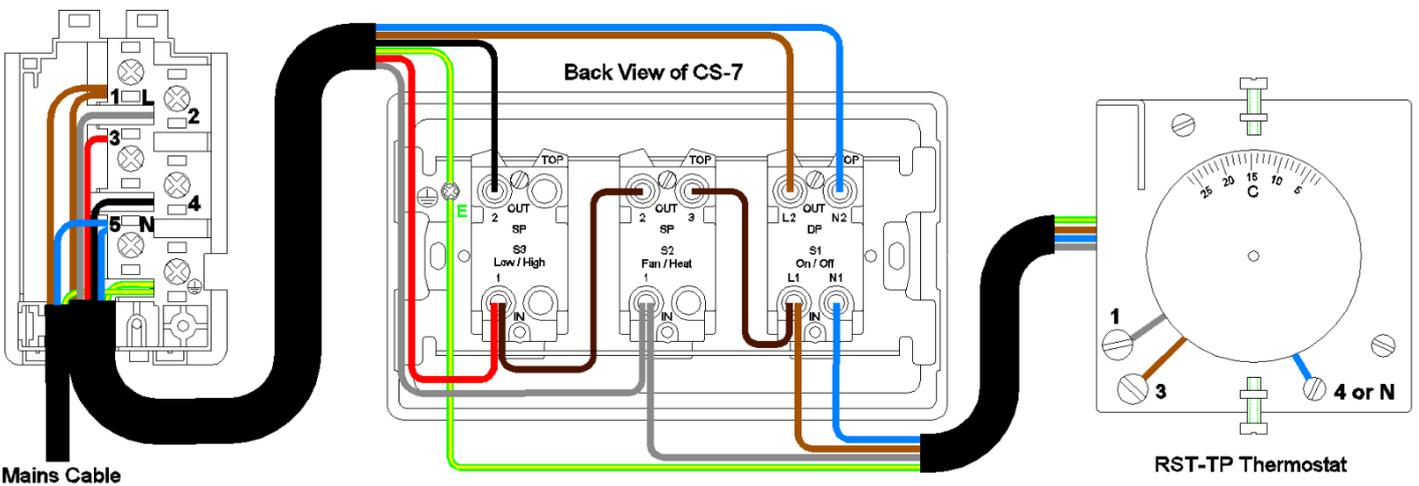


Mains Cable

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.

Models- RH20 / RH30 + CS-7 + Thermostat



Mains Cable

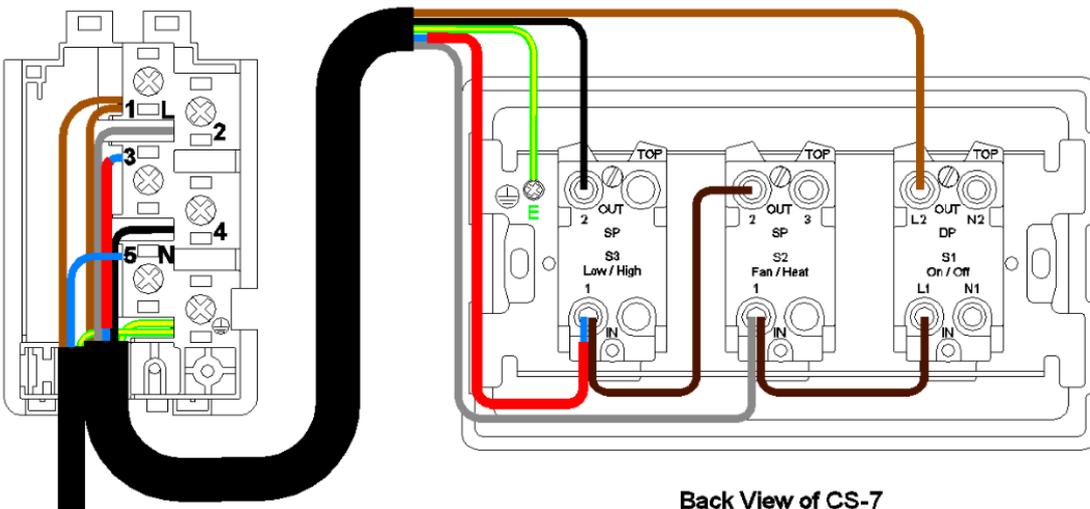
RST-TP Thermostat

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).
Use 1.5mm² 4 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.

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

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



Mains Cable

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).

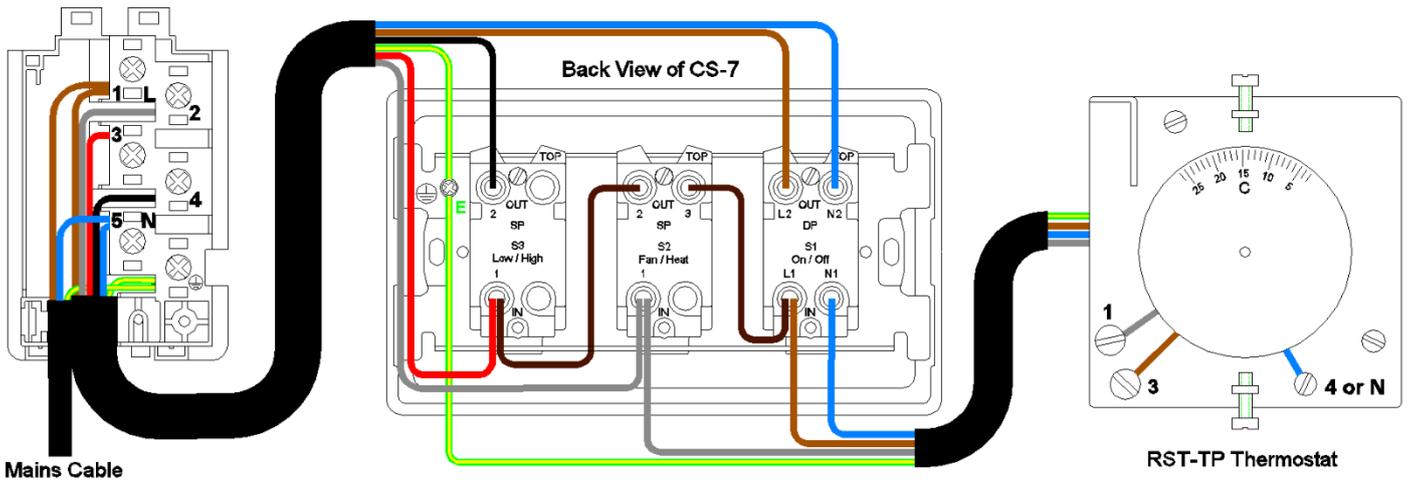
Use 2.5mm² 5 Core Cable (SCHG-45 or SMH-45) or 1.5mm² 5 Core Cable (SCHG-30 or SMH-30) to connect the heater to the CS-7 Controller (see note above).

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

Back View of CS-7

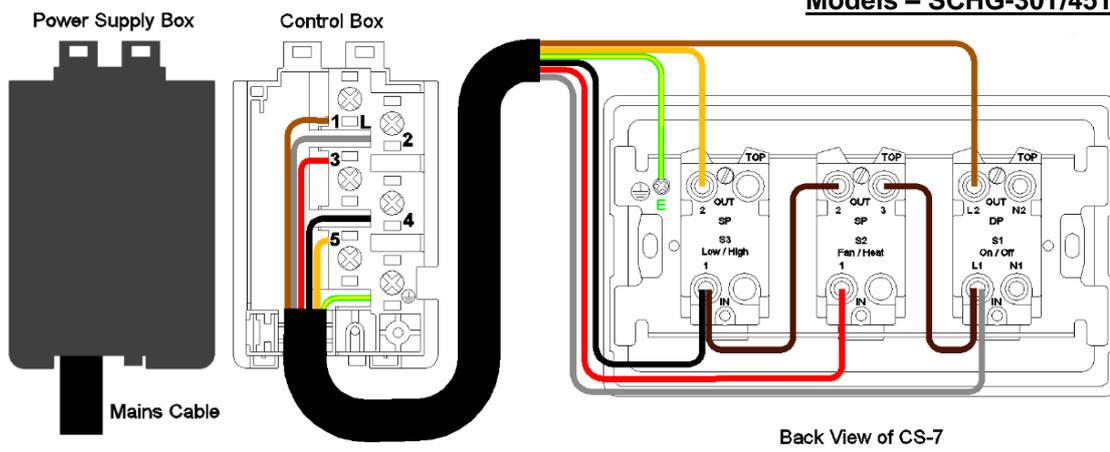
Please Note:- Specified cable sizes are for typical installations, correction factors may need to be used when determining actual cable sizes.

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



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 6 Core Cable (SCHG-45 or SMH-45) or 1.5mm² 6 Core Cable (SCHG-30 or SMH-30) to connect the heater to the CS-7 Controller (see note above).
 Use 2.5mm² 4 Core Cable (SCHG-45 or SMH-45) or 1.5mm² 4 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.

8. Heater Models – SCHG-30T / SCHG-45T or SMH-30T / SMH-45T



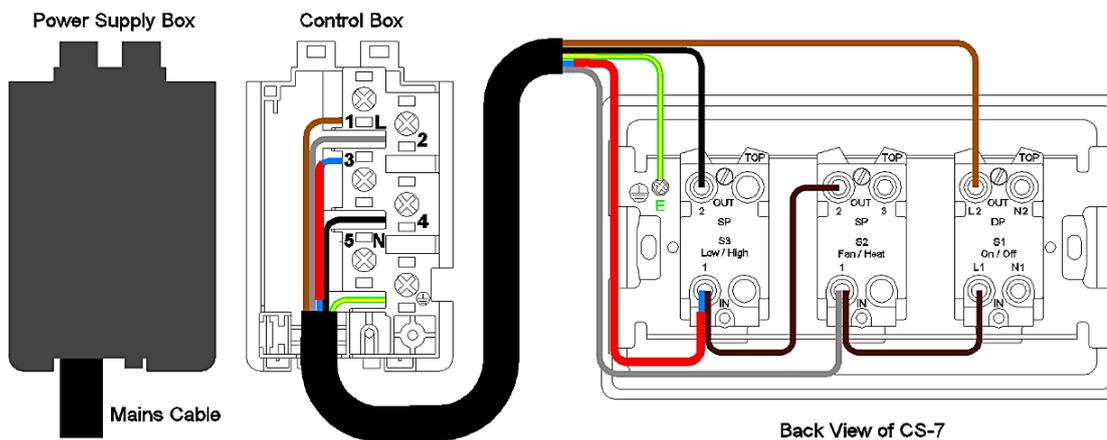
Models – SCHG-30T/45T or SMH-30T/45T + CS-7

For Mains cable wiring see instructions with each Heater

Control Box Wiring
 Use 2.5mm² 6 Core Cable (SCHG-45T or SMH-45T) or 1.5mm² 6 Core Cable (SCHG-30T or SMH-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.

9. Heater Models – CAS-30 / CAS-45



Models – CAS-30 and CAS-45

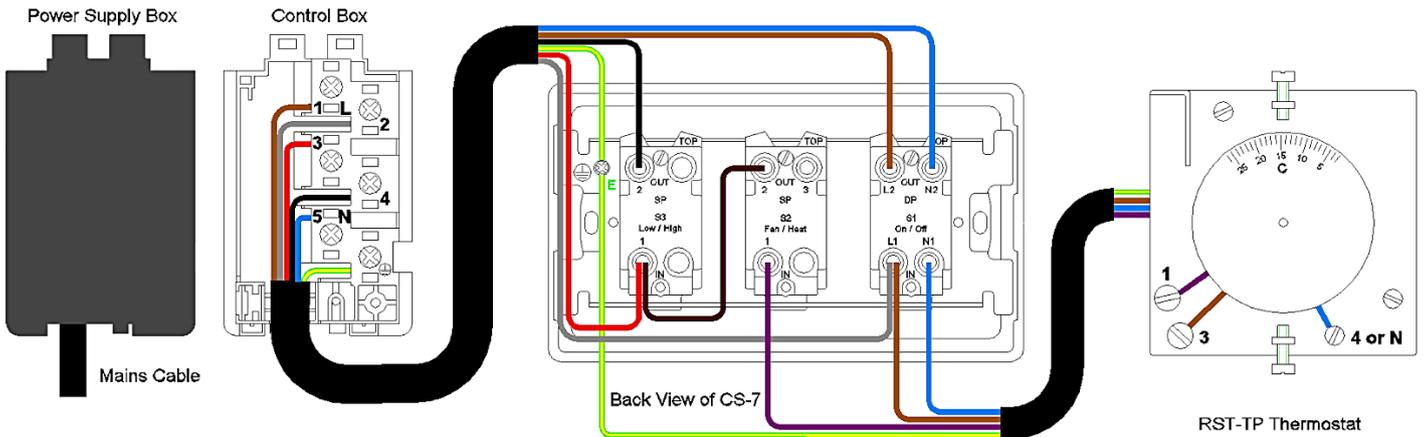
For Mains cable wiring see instructions with each Heater

Control Box Wiring
 Use 2.5mm² 6 Core Cable (CAS-45) or 1.5mm² 6 Core Cable (CAS-30) 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.

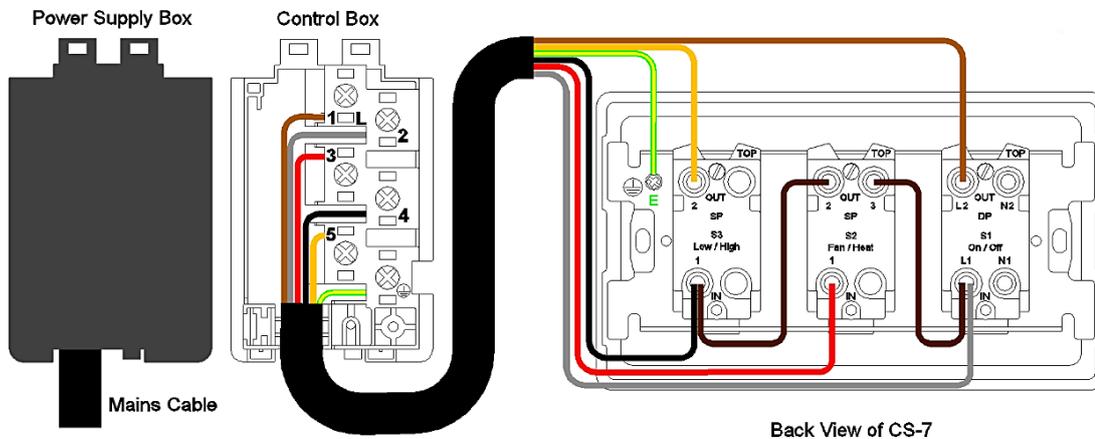
Models- CAS-30 and CAS-45 + CS-7 + Thermostat



For Mains cable wiring see instructions with each Heater
 Remove any dark brown link that may be present between L1 on the right switch and the centre switch to leave only the link between terminal 2 of the centre switch and terminal 1 of the left switch
 Use 2.5mm² 6 Core Cable (CAS-45) or 1.5mm² 6 Core Cable (CAS-30) to connect the heater to the CS-7 Controller (see note above).
 Use 2.5mm² 4 Core Cable (CAS-45) or 1.5mm² 4 Core Cable (CAS-30) 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.

10. Heater Models – CAS-30T / CAS-45T

Models – CAS-30T and CAS-45T



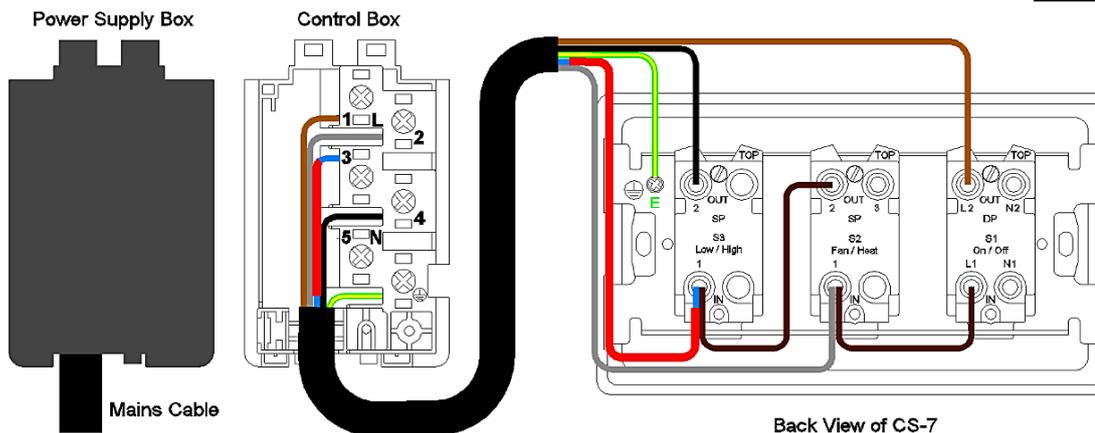
For Mains cable wiring see instructions with each Heater

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



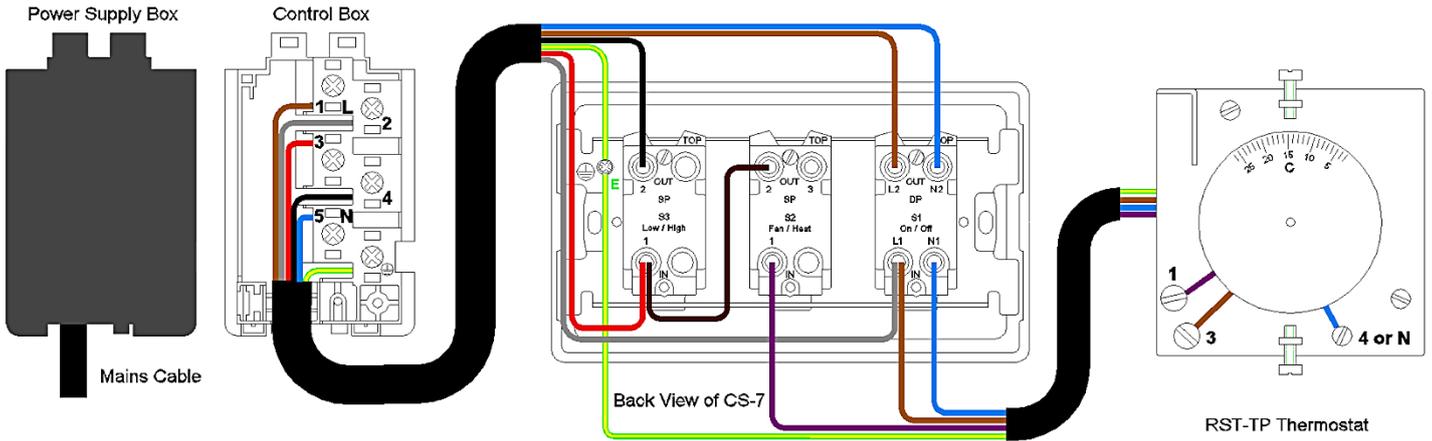
For Mains cable wiring see instructions with each Heater

Control Box Wiring
 Use 6mm² 6 Core Cable (CAD-90) or 4mm² 6 Core Cable (CAD-60) 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.

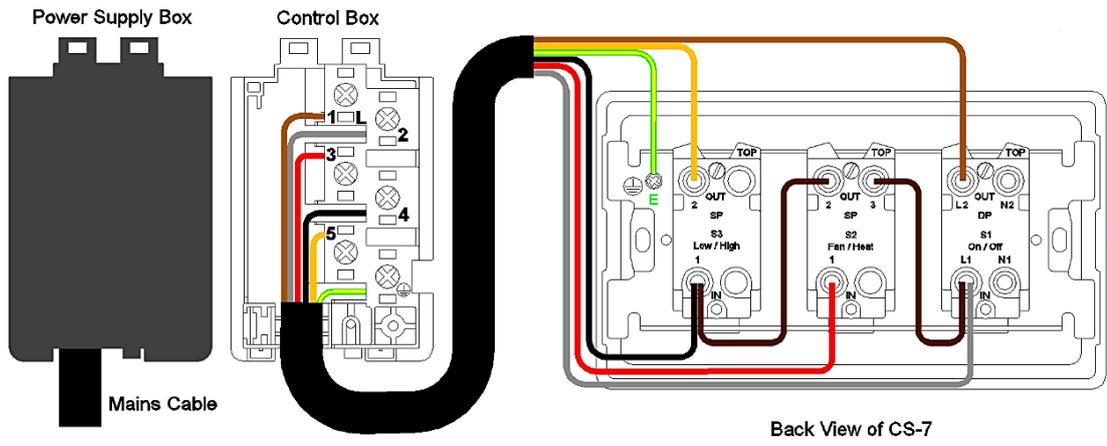
Models- CAD-60 and CAD-90 + CS-7 + Thermostat



For Mains cable wiring see instructions with each Heater
 Remove any dark brown link that may be present between L1 on the right switch and the centre switch to leave only the link between terminal 2 of the centre switch and terminal 1 of the left switch
 Use 1.5² 6 Core Cable (CAD-60) or 1mm² 6 Core Cable (CAD-90) to connect the heater to the CS-7 Controller (see note above).
 Use 1.5mm² 4 Core Cable (CAD-60) or 1mm² 4 Core Cable (CAD-90) 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.

12. Heater Models – CAD-60T / CAD-90T

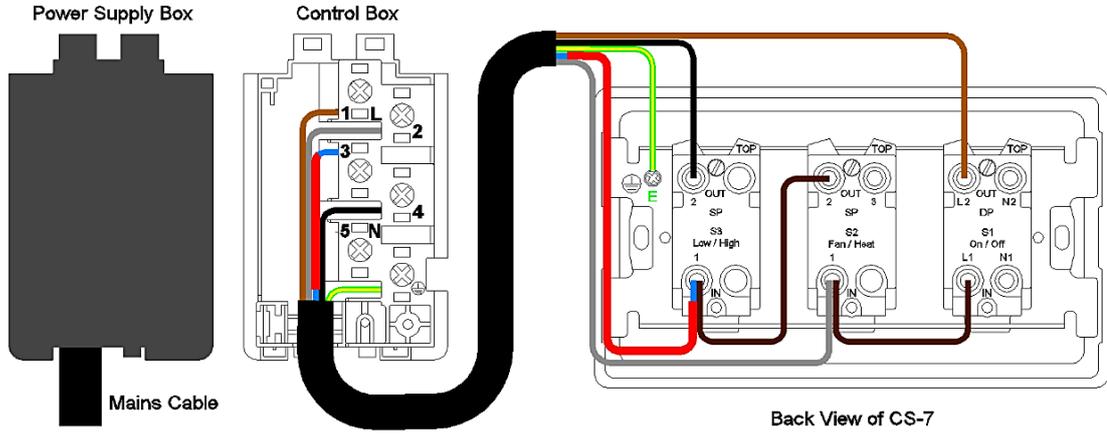
Models – CAD-60T and CAD-90T



For Mains cable wiring see instructions with each Heater
Control Box Wiring
 Use 1.5mm² 6 Core Cable (CAD-60T) or 1mm² 6 Core Cable (CAD-90T) 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.

13. Heater Models – CAT-90 / CAT-135

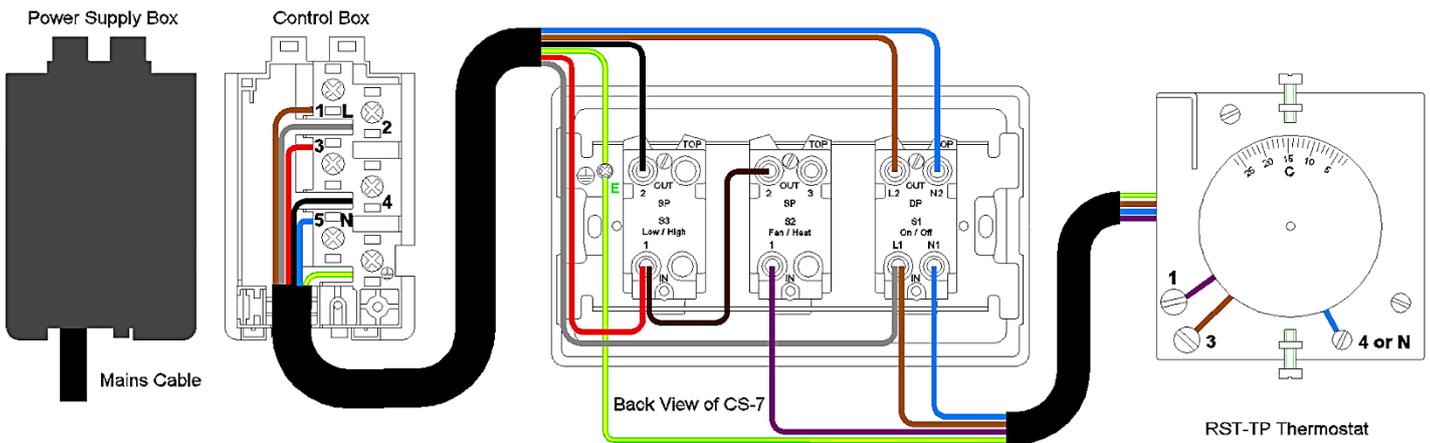
Models – CAT-90 and CAT-135



For Mains cable wiring see instructions with each Heater
Control Box Wiring
 Use 1mm² 6 Core Cable (CAT-90) or 1mm² 6 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.

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

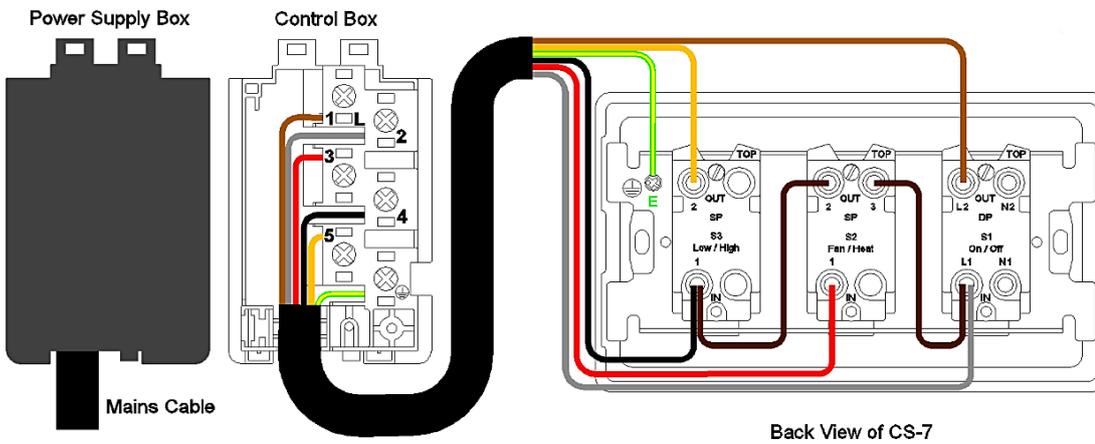
Models- CAT-90 and CAT-135+ CS-7 + Thermostat



For Mains cable wiring see instructions with each Heater
 Remove any dark brown link that may be present between L1 on the right switch and the centre switch to leave only the link between terminal 2 of the centre switch and terminal 1 of the left switch
 Use 1mm² 6 Core Cable (CAT-90) or 1mm² 6 Core Cable (CAT-135) to connect the heater to the CS-7 Controller (see note above).
 Use 1mm² 4 Core Cable (CAT-90) or 1mm² 4 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.

14. Heater Models – CAT-90T / CAT-135T

Models – CAT-90T and CAT-135T



For Mains cable wiring see instructions with each Heater
Control Box Wiring
 Use 1mm² 6 Core Cable (CAT-90T) or 1mm² 6 Core Cable (CAT-135T) 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 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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