

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.

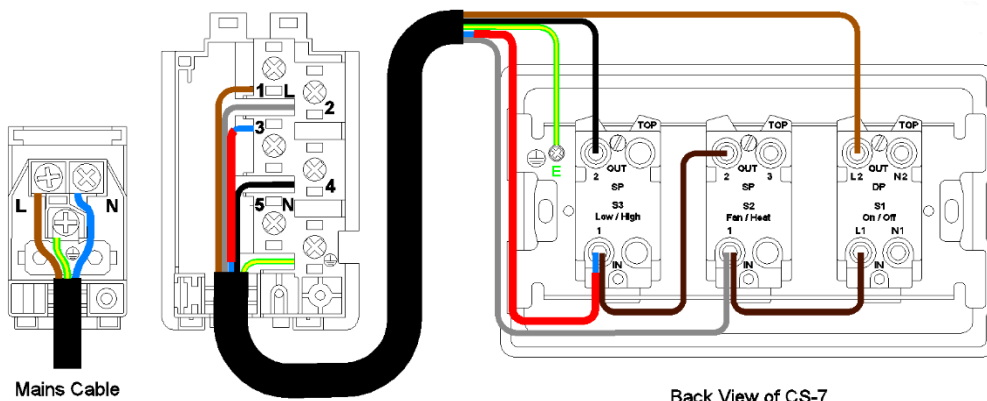
Incorrect installation may damage the heater and is not covered by the guarantee.

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

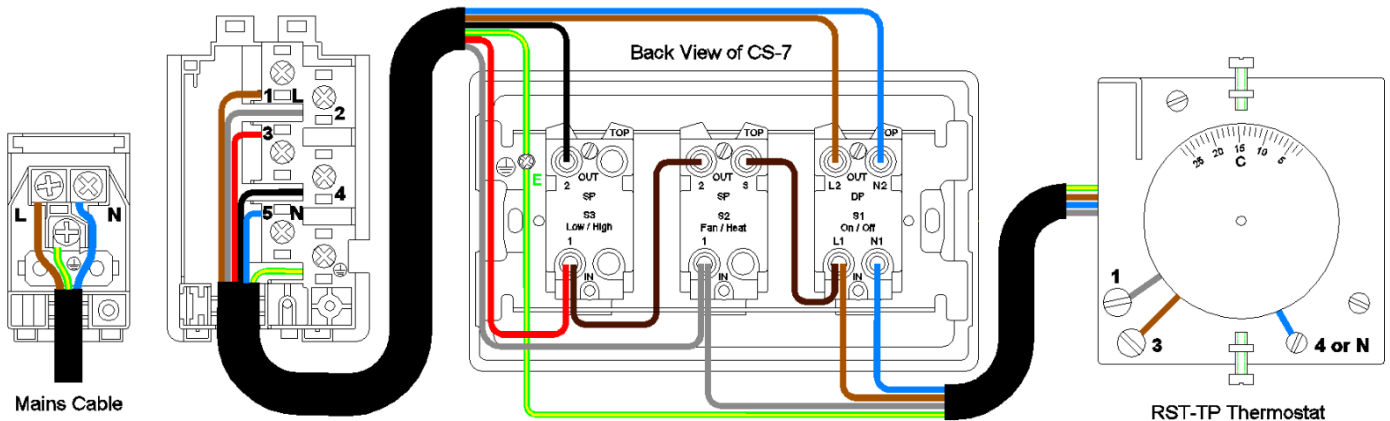
### Model- 830 + CS-7




Use 1.5mm<sup>2</sup> 3 Core Mains Cable (see note above).  
Use 1.5mm<sup>2</sup> 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- 830 + CS-7 + Thermostat

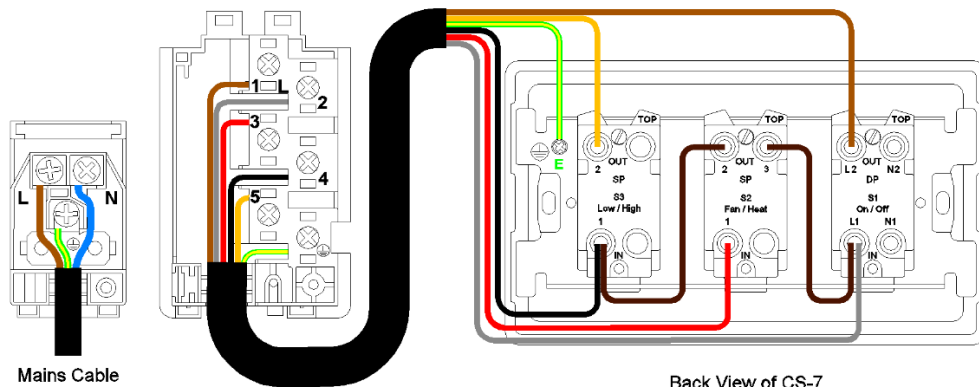


Use 1.5mm<sup>2</sup> 3 Core Mains Cable (see note above).  
Use 1.5mm<sup>2</sup> 6 Core Cable to connect the heater to the CS-7 Controller (see note above).  
Use 1.5mm<sup>2</sup> 4 Core Cable to connect the CS-7 Controller to Thermostat (see note above).


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

## 2. Heater Model – 830T

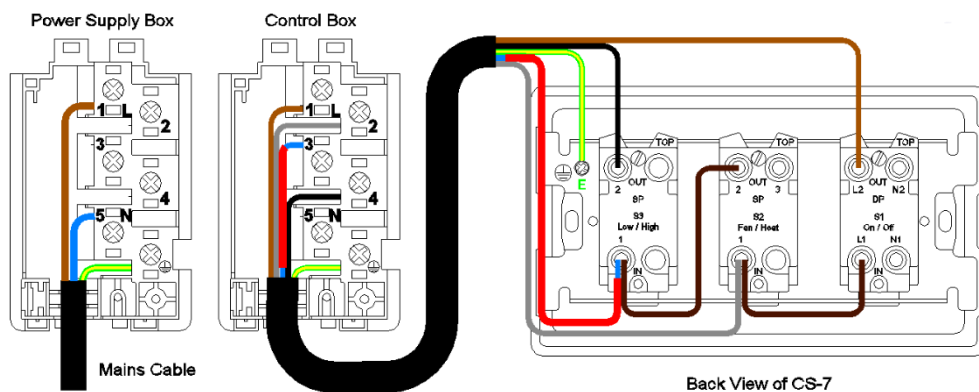
### Model- 830T + CS-7



Use 1.5mm<sup>2</sup> 3 Core Mains Cable (see note above).  
Use 1.5mm<sup>2</sup> 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.

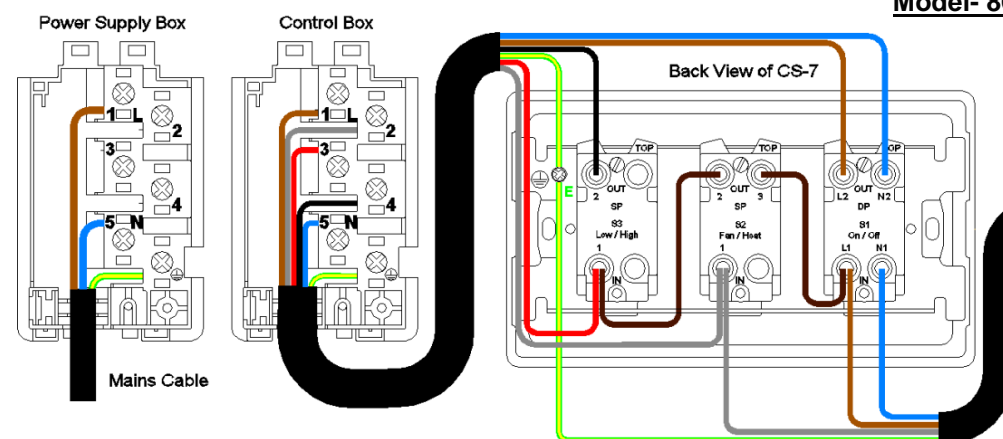
### 3. Heater Model – 860



#### Model- 860 or RH60 + CS-7


Use 4mm<sup>2</sup> 3 Core Mains Cable (see note above).  
Use 1.5mm<sup>2</sup> 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.

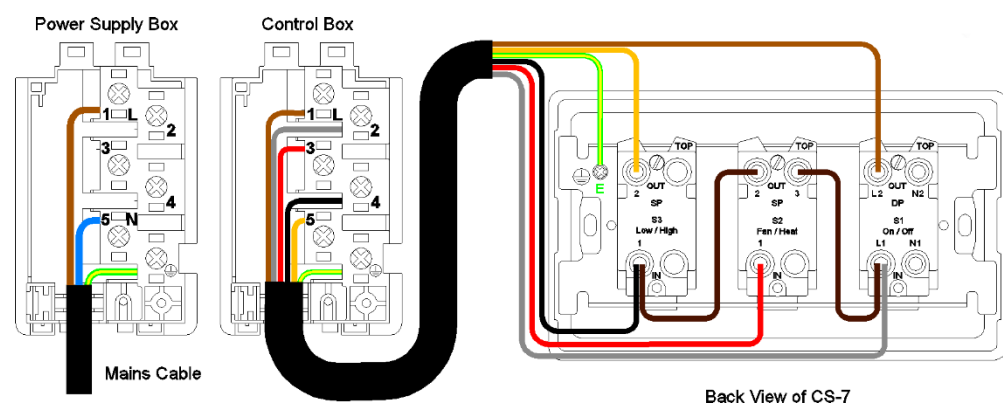


#### Model- 860 or RH60 + CS-7 + Thermostat

Use 4mm<sup>2</sup> 3 Core Mains Cable (see note above). Use 1.5mm<sup>2</sup> 6 Core Cable to connect the heater to the CS-7 Controller (see note above).  
Use 1.5mm<sup>2</sup> 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.

### 4. Heater Model – 860T

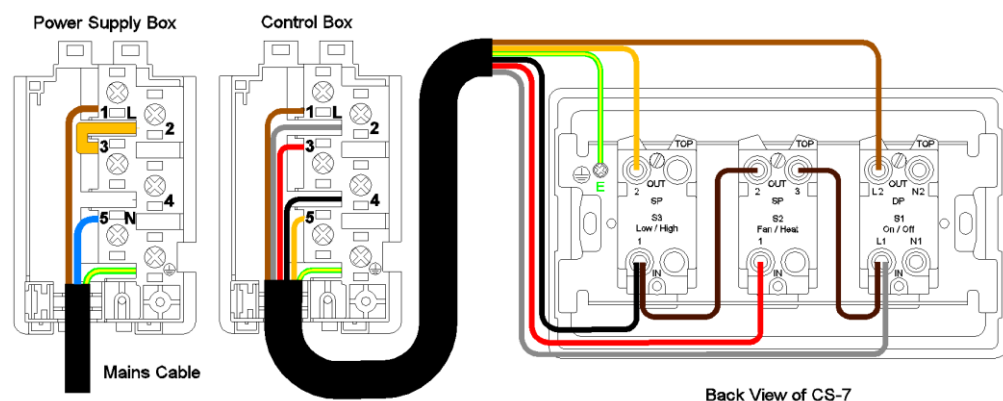


#### Model- 860T + CS-7

Use 4mm<sup>2</sup> 3 Core Mains Cable (see note above).  
Use 1.5mm<sup>2</sup> 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.

### 5. Heater Model – SCHG-30T / SCHG-45T + SMH-30T / SMH-45T Series




#### Model – SCHG-30T / 45T +CS-7

##### SMH-30T / SMH45T

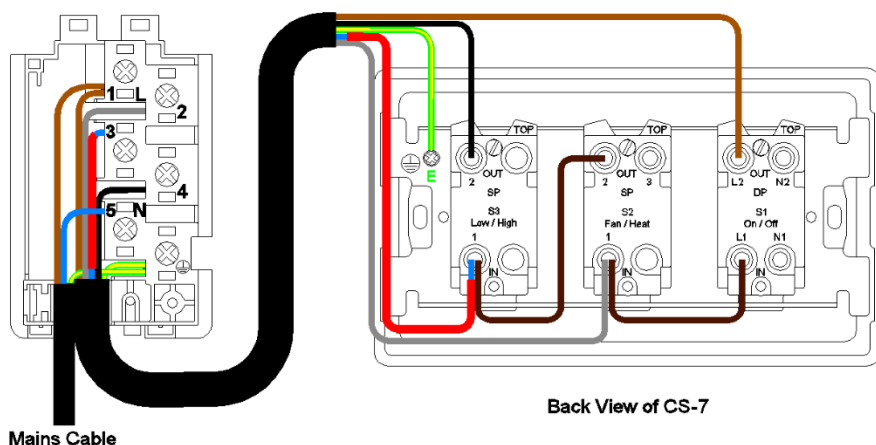
Use 2.5mm<sup>2</sup> 3 Core Mains Cable (SCHG-45 or SMH-45T) or 1.5mm<sup>2</sup> 3 Core Mains Cable (SCHG-30T or SMH-30T) (see note above).

Use 2.5mm<sup>2</sup> 6 Core Cable (SCHG-45T or SMH-45T) or 1.5mm<sup>2</sup> 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. **DO NOT REMOVE LINK IN POWER SUPPLY BOX**


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

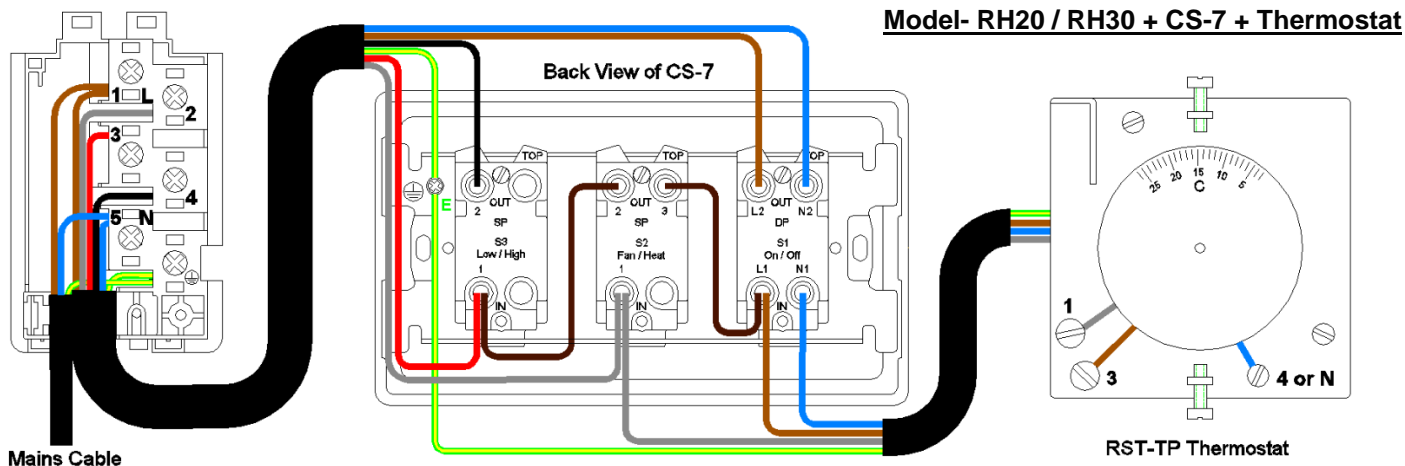
## 6. Heater Model – RH20 / RH30 Series



### Model- RH20 / RH30 + CS-7


Use 1.5mm<sup>2</sup> 3 Core Mains Cable (see note above).  
Use 1.5mm<sup>2</sup> 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.

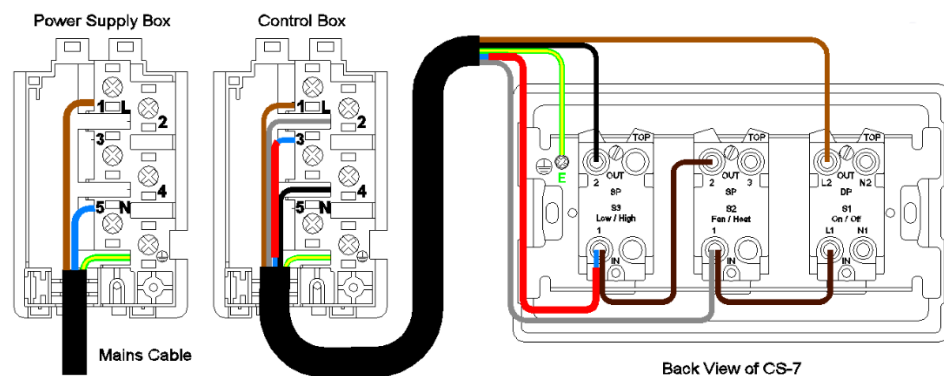


### Model- RH20 / RH30 + CS-7 + Thermostat

Use 1.5mm<sup>2</sup> 3 Core Mains Cable (see note above). Use 1.5mm<sup>2</sup> 6 Core Cable to connect the heater to the CS-7 Controller (see note above).  
Use 1.5mm<sup>2</sup> 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.

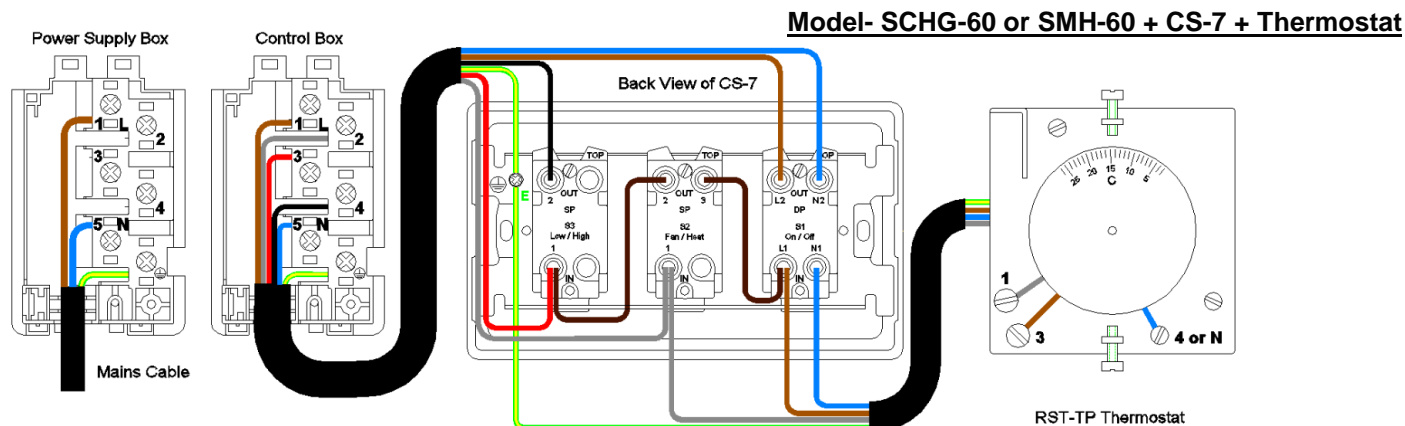
## 7. Heater Model – SCHG-60 or SMH-60




### Model- SCHG-60 or SMH-60 + CS-7

Use 4mm<sup>2</sup> 3 Core Mains Cable (see note above).  
Use 1.5mm<sup>2</sup> 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.



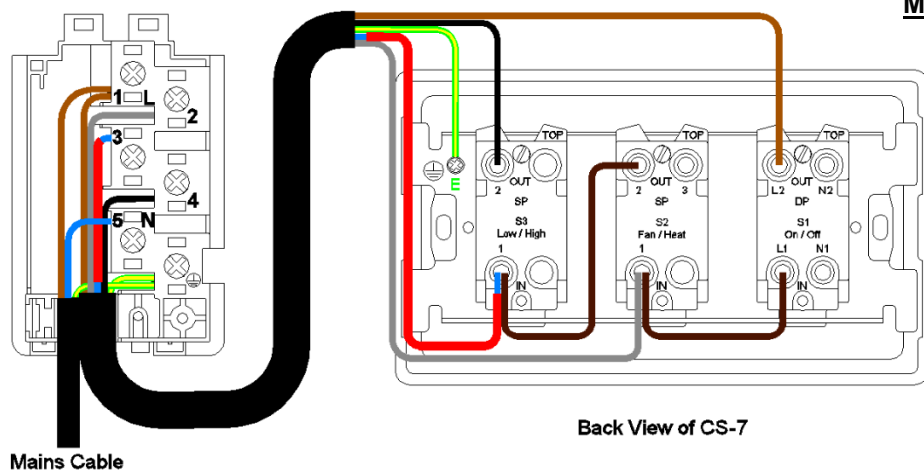
Use 4mm<sup>2</sup> 3 Core Mains Cable (see note above). Use 1.5mm<sup>2</sup> 6 Core Cable to connect the heater to the CS-7 Controller (see note above).  
Use 1.5mm<sup>2</sup> 4 Core Cable to connect the CS-7 Controller to Thermostat (see note above).

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

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

## 8. Heater Model – SCHG-30 / 45 or SMH-30 / 45

### Model- SCHG-+ CS-730/45 or SMH-30/45

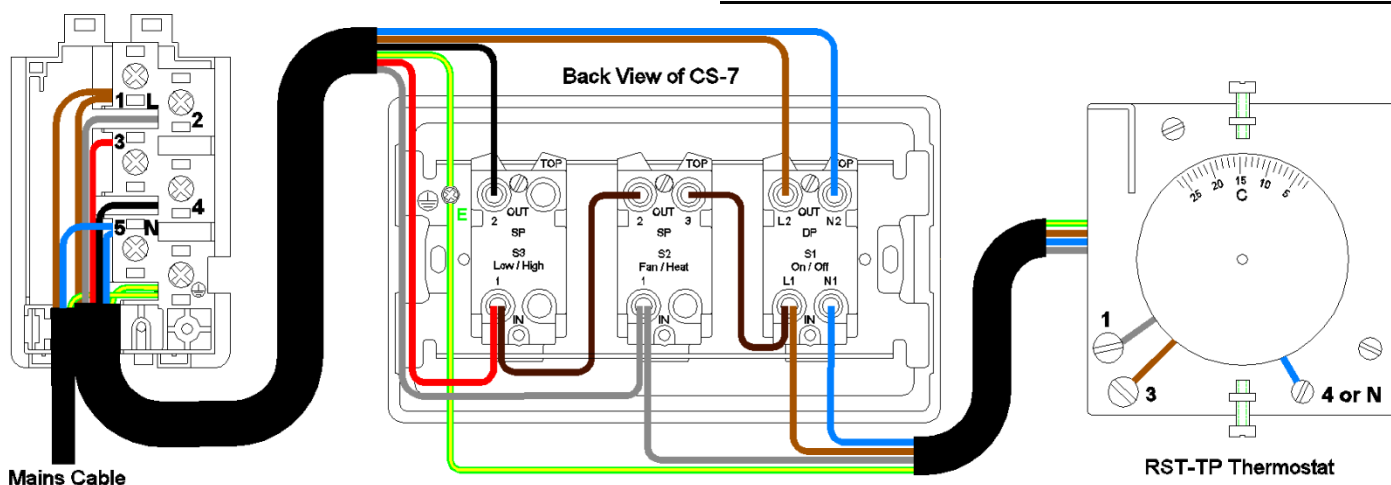


Use 2.5mm<sup>2</sup> 3 Core Mains Cable (SCHG-45 or SMH-45) or 1.5mm<sup>2</sup> 3 Core Mains Cable (SCHG-30 or SMH-30) (see note above).

Use 2.5mm<sup>2</sup> 5 Core Cable (SCHG-45 or SMH-45) or 1.5mm<sup>2</sup> 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.


### Model- SCHG-30/45 or SMH-30/45 + CS-7 + Thermostat



Use 2.5mm<sup>2</sup> 3 Core Mains Cable (SCHG-45 or SMH-45) or 1.5mm<sup>2</sup> 3 Core Mains Cable (SCHG-30 or SMH-30) (see note above).

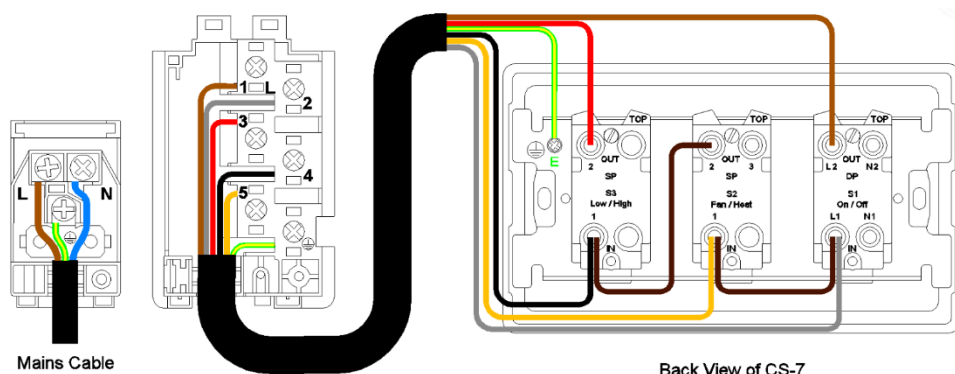
Use 2.5mm<sup>2</sup> 6 Core Cable (SCHG-45 or SMH-45) or 1.5mm<sup>2</sup> 6 Core Cable (SCHG-30 or SMH-30) to connect the heater to the CS-7 Controller (see note above).

Use 2.5mm<sup>2</sup> 6 Core Cable (SCHG-45 or SMH-45) or 1.5mm<sup>2</sup> 6 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.


## 9. Heater Model – SCHG-30E

### Model- SCHG-30E + CS-7



Use 1.5mm<sup>2</sup> 3 Core Mains Cable (see note above).

Use 1.5mm<sup>2</sup> 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.

**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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