

Thank you for purchasing a BN Thermic product. Manufactured to a high standard this product will, if installed and used according to these instructions, give you years of trouble free performance.



IMPORTANT: PLEASE READ THESE 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.

1. SAFETY INSTRUCTIONS

ELECTRICAL SAFETY

❑ **WARNING!** It is the responsibility of the Installer, owner and operator to read, understand and comply with the following:

1. All electrical wiring must be carried out by a fully qualified Electrician in accordance with the current IEE wiring regulations.
2. An isolator having a contact separation of at least 3mm on all poles must be incorporated in the fixed wiring as a means of fully disconnecting the mains supply.
3. The circuit should also be protected by a suitably rated fuse or MCB.
4. The thermostat must be earthed.
5. The electrical supply must be disconnected before removing the cover.
6. **MAXIMUM LOAD MUST NOT EXCEED 20AMPS RESISTIVE LOAD OR 10A INDUCTIVE LOAD** (Inductive loads are motors, fans, pumps etc.).
7. This thermostat may be used to control a contactor or contactors if your heating system exceeds total loading.
8. The Power **MUST** be disconnected before removing the front cover.



2. SPECIFICATION

Adjustable Range	5°C to +30°C
Mounting	Surface Mounting
Switching Capacity	230v 20A Max (Resistive load) or 10A Max (Inductive load)
Contacts	Single pole, double throw (Heating or cooling changeover)
Dimensions (W X H X D)	125mm x 125mm x 75mm (160mm wide including sensor)
Features	RST-RSC model is Tamperproof

3. INSTALATION INSTRUCTIONS

Location - The RST-RSC should be mounted out of direct sun light, draughts or outside doors and approximately 1.5m high.

Installation - The enclosure can be fitted to a wall or structure using suitable screws (not supplied). The thermostat is supplied with 2 x M20 cable glands.

1. Remove the cover by undoing the 4 corner screws.
2. Using the 4 holes in the corners screw the enclosure to the wall / structure.
3. Drill any holes required in the enclosure for cable glands. We recommend holes are drilled in the base of the box. If there is a need to drill through the back of the box, ensure that the neither the thermostat or the mounting plate are damaged.
4. Wire in accordance with the drawing overleaf.
5. The desired temperature is set by rotating the dial to the required position.
6. Refit the outer cover using the 4 corner screws.

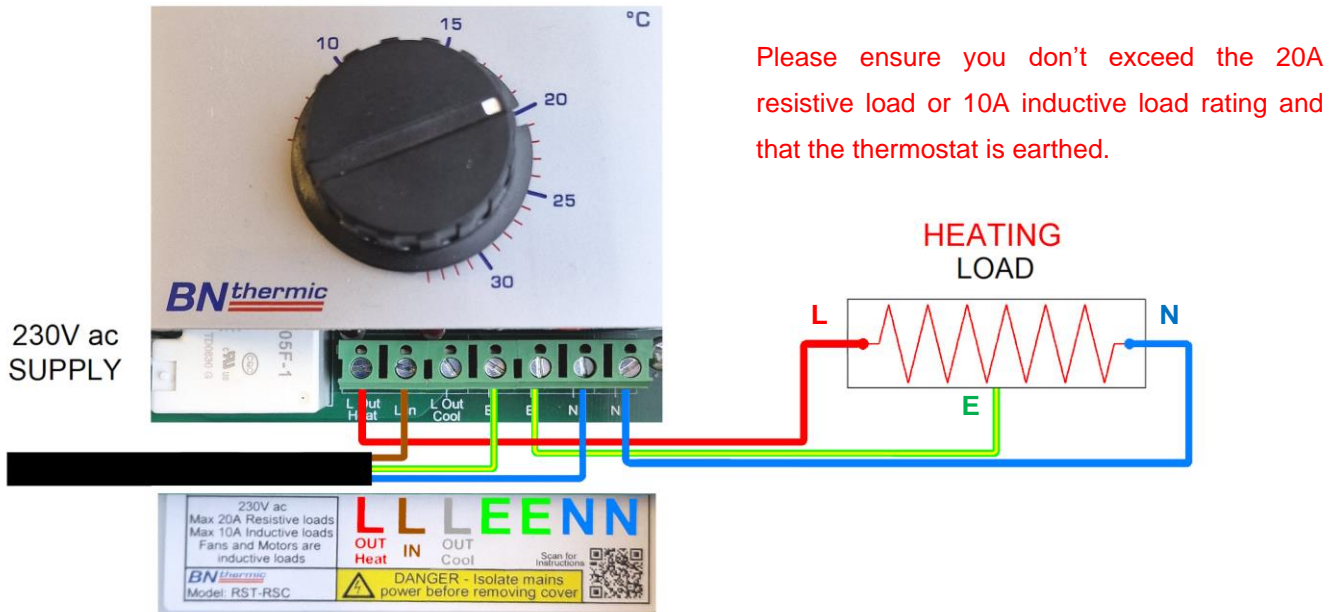
4. WIRING DIAGRAM

Please note the following when wiring the thermostat

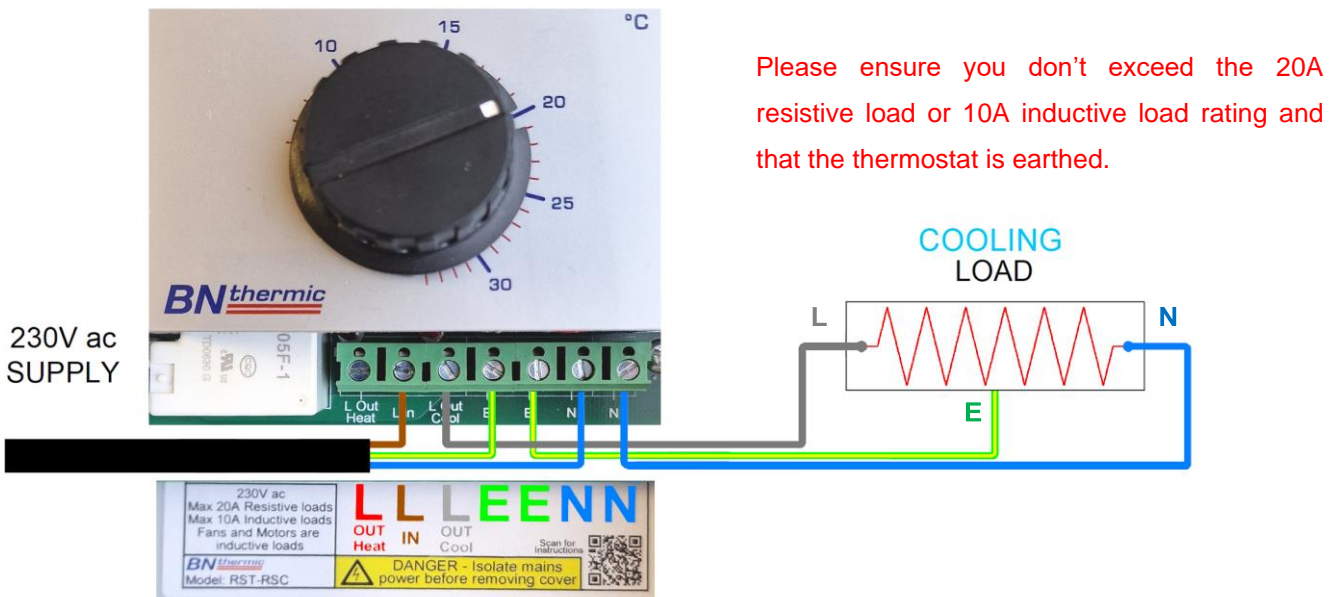
- The thermostat does need a neutral wire to make it work.
- The thermostat must have an earth wire connected to it.

The thermostat is not waterproof so don't use outside or in a wet room.

4.1 Wiring for Heaters (Thermostat turns OFF when temperature rises and ON when temperature falls)



4.2 Wiring for Coolers (Thermostat turns OFF when temperature falls and ON when it rises)



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.



WEEE REGULATIONS:

This appliance bears the symbol of the crossed waste bin. This indicates that, at the end of its useful life, it must not be disposed of as domestic waste, but must be taken to a collection centre for waste electrical and electronic equipment. It is the user's responsibility to dispose of this appliance through the appropriate channels. Failure to do so may incur penalties established by laws governing waste disposal.

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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