



INSTRUCTIONS FOR:-
OUTDOOR FROST THERMOSTAT
-12°C to +26°C
FST3-EX

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.**
7. This thermostat may be used to control a contactor or contactors if your heating system exceeds 20A.
8. The Power **MUST** be disconnected before removing the front cover to change the temperature setting.



2. SPECIFICATION

Adjustable Range	-12°C to +26°C
Differential	4°C
Mounting	Surface Mounting
Switching Capacity	230v 20A Max
Contacts	Single pole, single throw
Dimensions (W X H X D)	125mm x 125mm x 75mm
Ingress Protection	IP66
Features	Tamperproof

3. INSTALATION INSTRUCTIONS

Location - The FST3-EX should be mounted on the North side of the building out of direct sun light. If this is not possible do not position in direct sunlight or shield the enclosure from direct sunlight.

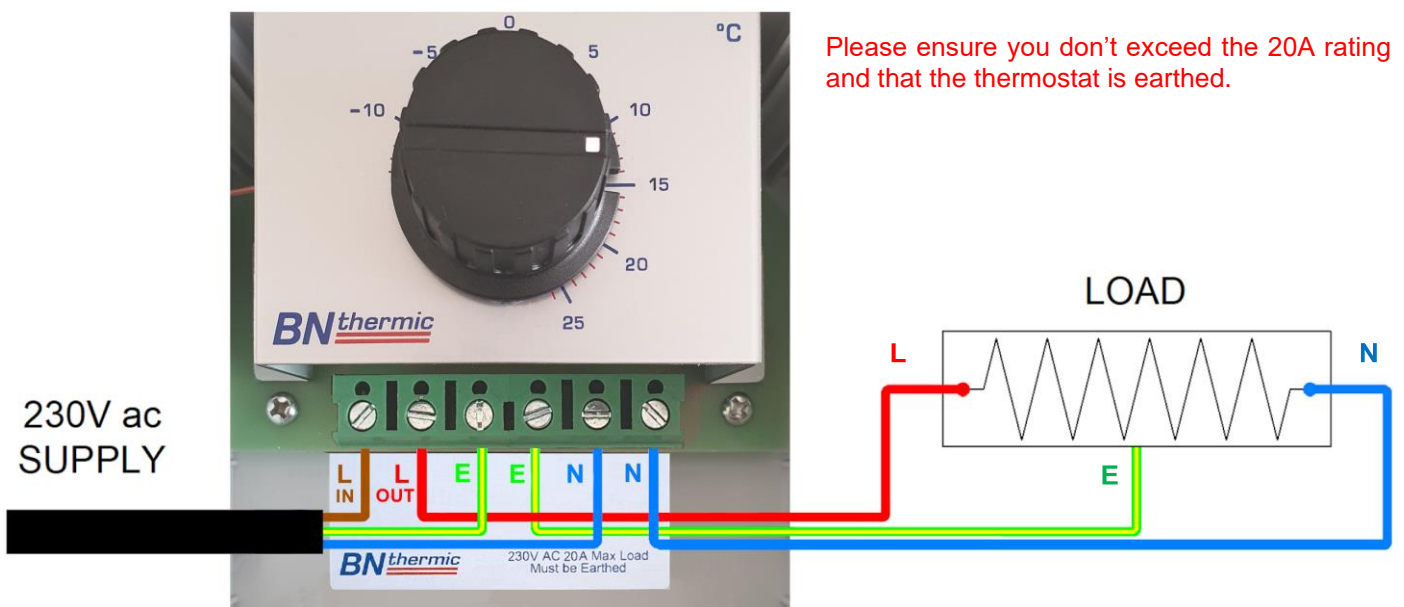
Installation - The IP66 enclosure can be fitted to a wall or structure using suitable screws (not supplied). The thermostat is supplied with 1 x M20 IP66 cable gland. If additional cable glands are required, ensure that they are suitably rated to maintain the IP66 rating of the enclosure.

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 should be 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 NOT need a neutral wire to make it work. We have only added the neutral connections as it may help you with the wiring.
- The thermostat must have an earth wire connected to it.



5. USING WITH SELF-REGULATING HEAT CABLE

We recommend that if you are using the thermostat with self-regulating cable, you set the thermostat around +4°C to +5°C. This is to allow time for the cable to warm up and if using on water pipes time to stop the internal water getting close to freezing point.

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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