



**INSTRUCTIONS FOR:-  
MIRROR DEMISTERS  
MD Series**

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.



**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

### 1.1 ELECTRICAL SAFETY

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

You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. If in any doubt consult a qualified electrician. You must also read and understand the following instructions concerning electrical safety.

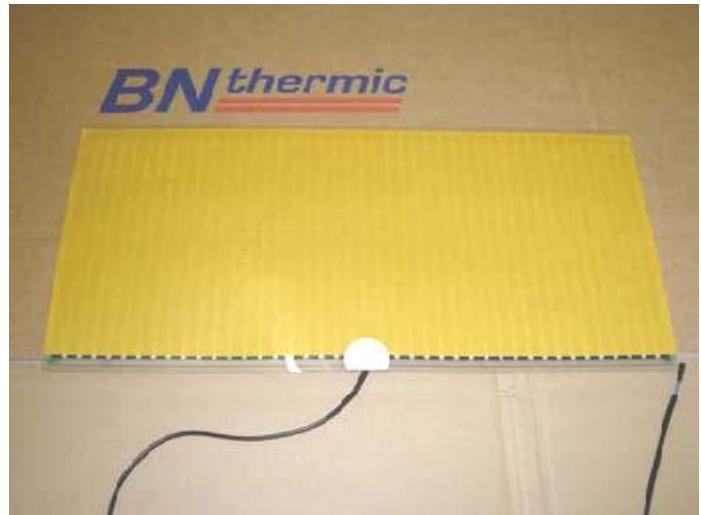
- 1.1.1 The Health & Safety at Work Act 1974 makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. If in any doubt about electrical safety, contact a qualified electrician.
- 1.1.2 Ensure that the insulation of all the cables on the appliance is safe before connecting it to the power supply.
- 1.1.3 Ensure that the cables are always protected against short circuit and overload.
- 1.1.4 Installation should always be carried out by a qualified electrician in accordance with current electrical regulation, protected by a suitably rated isolator and fuse or mcb.

## 2. INSTALLATION

THESE INSTRUCTIONS SHOULD BE FOLLOWED TOGETHER WITH MIRROR MANUFACTURER'S INSTALLATION INSTRUCTIONS



**Back View**  
To be placed facing wall



**Self Adhesive**  
To be placed on back of mirror

- 2.1.1 The heater must be installed so the switch cannot be touched by a person in the bath/shower.
- 2.1.2 Stationary appliances without a means of all pole disconnection from the supply must have a disconnect device incorporated into the fixed wiring circuit.
- 2.1.3 The wiring regulations also require a double pole RCD to be installed for all fixed current using appliances in zones 1 & 2 in a bathroom.
- 2.1.4 The wires in the mains cable are coloured in accordance with the following code:- **BROWN:- LIVE    BLUE:- NEUTRAL**
- 2.1.5 **Wiring must be covered and inaccessible in compliance with relevant safety standards.**
- 2.1.6 All metal frames surrounding the mirror must be earthed and comply with current wiring regulations.
- 2.1.7 If the mirror has been supplied with a metal foil anti-shatter film then the foil should be connected to earth.

## 3. MULTIPLE DEMISTER PADS

Several pads may be fitted to a mirror to cover the whole area

- 3.1.1 Never cut any pad always use pads that are slightly smaller than the mirror.
- 3.1.2 If several pads are fitted to a single mirror they should be wired in parallel.
- 3.1.3 Pads must not overlap as this could cause hotspots and possible damage to the mirror.
- 3.1.4 Care must be taken to ensure that the power supply is sufficient to take the total load of all the pads.

## 4. ATTACHING TO MIRROR

The Mirror Demister should be mounted directly onto the mirror back. If required it can be wall mounted with the use of a suitable adhesive or double sided tape, but must be in contact with the mirror to achieve optimum result.

- 4.1.1 Cut out a recess in the wall to accommodate the terminal moulding so that the heater is flush when fitted.
- 4.1.2 Mark the back of mirror to indicate where the heater is to be fitted.
- 4.1.3 Peel the protective release paper from the back of the heater.
- 4.1.4 Position one edge of the Mirror Demister onto the back of the mirror whilst holding the opposite edge away from the mirror.
- 4.1.5 Apply pressure evenly over the mirror heater surface as it is gradually lowered onto the mirror.
- 4.1.6 Continue until it is completely flat on the mirror back with no air bubbles.
- 4.1.7 Fix mirror assembly to wall.
- 4.1.8 If the heated mirror assembly is to be bonded to the wall, the adhesive should be applied over the complete area to ensure that the mirror is securely held.

## 5. IMPORTANT POINTS TO NOTE WHEN INSTALLING

**TO AVOID DAMAGE TO THE MIRROR, AND IN COMMON WITH NORMAL PRACTICE,  
THE FOLLOWING POINTS MUST BE ADHERED TO:**

- 5.1.1 Ensure wall is firm, flat, level and dry.
- 5.1.2 Mirror must be flat across its entire surface at all times to prevent it cracking.
- 5.1.3 Screws must not be over-tightened and must be adjusted evenly to ensure mirror is flat.
- 5.1.4 Never rest anything across the mirror surface which will prevent the heat dissipating fully.
- 5.1.5 If it is to be installed behind irregular-shaped mirrors or, if the mirror has been weakened in any way, extra care must be taken not to create any excess stresses.

**The Mirror Demister must not be cut or pierced as this will damage the insulation, rendering it unsafe.**

It is recommended that the Demister be switched by the light or dedicated switch. As the ambient room temperature rises, so will the surface temperature of the mirror.

The Mirror Demister must NOT be accessible once installed.

## 6. SPECIFICATION

Power rating:— 200W/m<sup>2</sup>

Double Insulated

IP 44 Rated

| TYPE   | Voltage (V) | WATTAGE (W) | DIMENSION (mm) |
|--------|-------------|-------------|----------------|
| MD-12  | 230         | 12.5        | 252 x 274      |
| MD-28  | 230         | 28.0        | 574 x 274      |
| MD-50  | 230         | 50.0        | 519 x 524      |
| MD-100 | 230         | 100.0       | 1004 x 524     |

**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 or installation 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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