PLEASE ENSURE YOU HAVE READ AND FULLY UNDERSTOOD THIS GUIDE BEFORE INSTALLATION!

Thermomirror EZ 12V

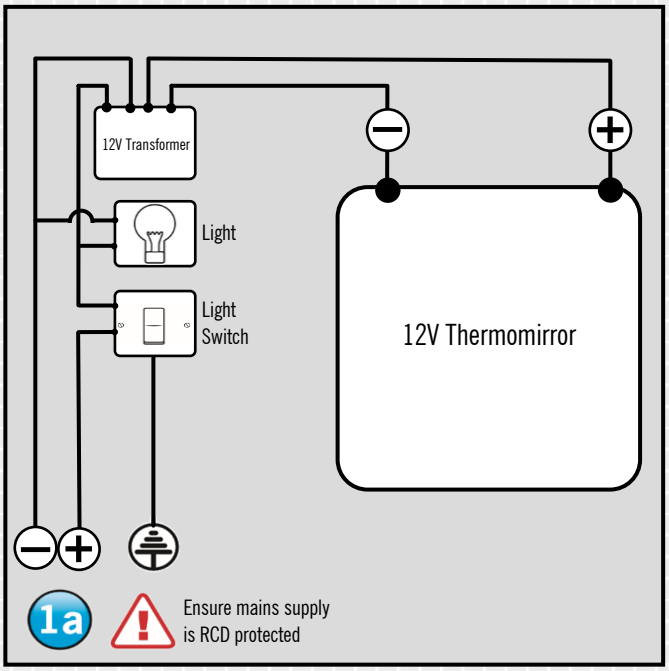
Installation Guide

YOUR STEP-BY-STEP GUIDE TO
THE PERFECT INSTALLATION

thermomirror
MIRROR DEMISTERS

Installation: Thermomirror EZ 12Volt Unit

This Thermomirror is a 12Volt unit and is designed to go in Zone 0 or Zone 1 in the bathroom (i.e. Shower Niche). Please note, the transformer and switches used need to be located outside of Zone 1. The transformer needs to be connected to the mains supply in accordance with current local electrical regulations and must be installed no further than 2 metres from the Thermomirror. The transformer can be installed in the ceiling or the wall cavity – if mounting in the wall cavity, the transformer must be behind a switch plate to enable access. The Thermomirror must be at least 100mm smaller than the mirror so the mirror can be glued directly to the wall. Never rely on the bond between the mirror and Thermomirror to hold the mirror, the mirror must be glued directly to the wall. Always seal around edges of mirror with silicone when installing in a shower niche. If the mirror has any hanger/mounting brackets, please ensure the Thermomirror is small enough to avoid these as the Thermomirror demister pad cannot be cut or punctured.



Step 1: Plan your installation & layout

The Thermomirror 12Volt unit requires a mains supply, 12Volt Transformer (supplied) and a switch. Measure and mark out all the necessary items before you install the Thermomirror (Diagram 1a). If necessary, chase into the wall to accommodate fixtures and wires.

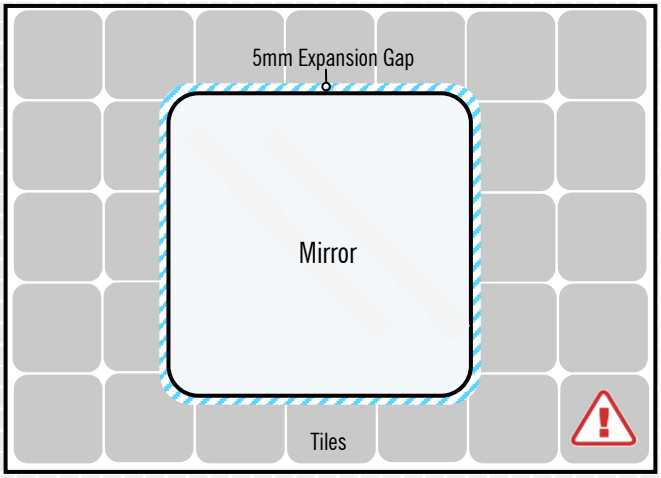
The Thermomirror 12Volt unit should be wired into an existing lighting circuit via the transformer (Diagram 1a) or PIR Movement sensor.

When planning the installation, ensure a 5mm gap is present around the perimeter of the mirror (Diagram 1b). Any contact with hard materials could result in a breakage.

Step 1 & 2 Checklist

- ☐ PLAN AND MEASURE INSTALLATION
- ☐ INSTALL 12VOLT TRANSFORMER WITHIN 2 METRES OF UNIT
- ☐ CHASE A GROOVE TO WHERE WIRES WILL BE RECESSED
- ☐ LEAVE EXPANSION GAP AROUND THE PERIMETER OF THE MIRROR

Diagram 1b



Step 2: Apply the heating element to the mirror

To avoid air bubbles whilst sticking the heating element, peel off the protective paper a quarter of the way. Now line up the mirror with the Thermomirror sticky side down. Stick the first part down and ease the protective paper away whilst smoothing out the Thermomirror onto the mirror.

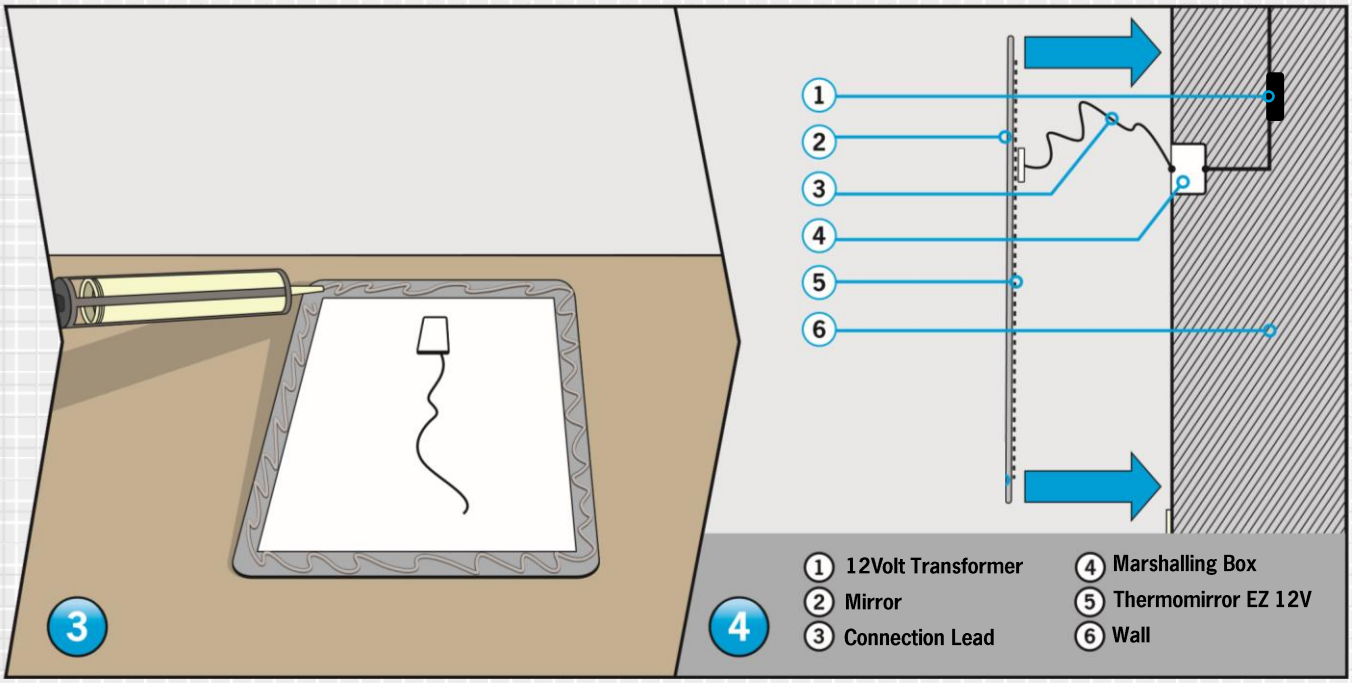
Remember to position the Thermomirror connection box and power cable in the closest available position to your connection point.

PRO TIP

It is recommended to install insulation. We recommend Econoboard (6106) behind Thermomirror to achieve optimal performance and efficiency.

! IMPORTANT SAFETY PRECAUTIONS !

- ALL ELECTRICAL WORK MUST CONFORM TO CURRENT ELECTRICAL REGULATIONS AND BE CHECKED OR CARRIED OUT BY A QUALIFIED ELECTRICIAN
- PLEASE ALLOW A 5MM GAP SURROUNDING THE MIRROR. FAILURE TO DO SO COULD RESULT IN CRACKS FORMING DUE TO EXPANSION
- DO NOT CUT, PUNCTURE, USE STAPLES OR NAILS TO MOUNT THE HEATING PAD. THERMOMIRROR SHOULD NEVER BE USED IF CUT OR DAMAGED



Step 3: Apply adhesive and wall mounting clips

Mirror adhesive should be applied around the perimeter of the mirror so it becomes as isolated as possible when fixed to the wall, we recommend using Mirror-mate (5322). Lay your mirror onto a clean towel to ensure no scratches or blemishes are formed when applying the mirror adhesive.

PRO TIP

The heated mirror can be installed on walls made of wood, ceramic tiles, marble etc. Walls must be dry, stable, smooth and preferably insulated.

DO NOT RELY ON THE SELF ADHESIVE MIRROR PAD TO ADHERE THE MIRROR TO THE WALL. EXTRA MIRROR ADHESIVE OR MECHANICAL FIXINGS MUST BE USED.

Step 4: Connect wiring and fix to the wall

Wire the Thermomirror into a 12Volt Transformer and Marshalling box as seen in the schematic diagram on the opposite page. [**NOTE**: The Transformer must be wired within 2 Meters of the demister pad and must be accessible]. Then line the mirror up ensuring a 5mm gap is maintained around the perimeter of the mirror. Gently apply pressure around the outside of the mirror and allow all adhesives to fully cure before powering up your Thermomirror. Connect the lead from the demister into the 12Volt transformer using cable connectors. Never connect the heating pad directly to 240Volt power. These instructions should be followed along with the mirror manufacturer's recommendations.

PRO TIP

To avoid damage to the mirror, do not over tighten fixings and ensure that no point pressure is applied to the mirror.

Step 3 & 4 Checklist

- ☐ USE MIRROR ADHESIVE TO SEAL THERMOMIRROR AGAINST WALL
- ☐ CHECK THERMOMIRROR IS AS ISOLATED AS POSSIBLE BETWEEN THE WALL AND MIRROR
- ☐ CHECK ALL WALL FIXTURES ARE SECURE (IF USED)
- ☐ CHECK ALL ELECTRICAL CONNECTIONS ARE SAFE

! IMPORTANT SAFETY PRECAUTIONS !

- THERMOMIRROR 12VOLT SHOULD BE INSTALLED IN CORRELATION WITH REGULATIONS
- ADHERE THE HEATING PAD TO THE BACK OF THE MIRROR, NOT THE WALL
- IF YOU HAVE METAL SURROUND, PLEASE ENSURE THE MIRROR IS GROUNDED ACCORDING TO LOCAL ELECTRICAL REGULATIONS

Thermomirror® EZ 12V			
STOCK NO	DESCRIPTION	SIZE (MM)	OUTPUT (W)
5312	12V Demister Pad	300 x 300	14W
5312P	12V Demister Pad & Mirror Package	300 x 300	14W

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GOOD HEATING PRODUCTS

UK Enquiries

Thermogroup UK
sales@thermogroupuk.com
www.thermogroupuk.com
0800 019 5899

EU Enquiries

Thermogroup EU
sales@thermogroupeu.com
www.thermogroupeu.com
00353 (0)1 866 0584

AU Enquiries

Thermogroup AU
sales@thermogroup.com.au
www.thermogroup.com.au
1300 368 631