

Mirror Defogger — Quick Checklist

A step-by-step reference for licensed electricians and experienced installers. Follow each item in sequence before touching the mirror or opening the junction box. All steps must be completed in order — skipping ahead risks code violations, pad damage, or unsafe installations.

PART A

Preparation

Before any physical work begins, confirm measurements, circuit capacity, and code compliance. The following checklist covers every required verification from site assessment through wall marking and rough-in wiring.

1	Measure & Select Measure the clear, unobstructed area on the back of the mirror — subtract brackets, clips, and wood backing. Select a stock size that fits inside that area. Never cut or resize a pad ; if using more than one, they must not overlap .
2	Confirm Circuit Capacity Verify the vanity circuit has capacity for the pad's draw — 0.17 A to 1.28 A , depending on model. Consult the spec table on manual p. 8 to match the correct amperage to your selected pad size.
3	Inspect the Pad Before installing, inspect the pad for creases, tears, or any physical damage. Damaged units can malfunction and must not be installed. Confirm the location is not inside a shower, sauna, or steam room.
4	Code Compliance & Shutoff Verify a GFCI-protected circuit and confirm a licensed electrician is performing the work per NEC and all applicable local codes. Shut off the breaker at the main panel before proceeding.
5	Set Placement Height Large rectangles/ovals: top edge 6'6" above finished floor. Small rectangles/circles: centered over the vanity and on the mirror face. Reference Diagrams A & B and per-model dimensions on manual pp. 3–4 before marking.
6	Mark & Rough-In Mark the wall with both the pad location and the lead-wire exit point . Install a 2" × 3" remodeler's junction box inline with the leads — the wire exit must fall entirely inside it — then run Romex from the vanity lighting box per Diagram C.


 Protect against cracking: leave a **2 mm gap around the mirror perimeter** for expansion, keep 3 edges free if rigidly mounted, and avoid switch cutouts, holes over 2" dia., and inner-angle cuts. See CAUTION, manual p. 8.

PART B

Installation

With preparation complete, the circuit off, and the junction box roughed in, you are ready to mount the pad and make final electrical connections. Work methodically through each step below — adhesion is permanent once the backing is fully removed, so dry-fitting before committing is essential.

1 Dry-Fit the Pad

Place the pad on the mirror aligned to your wall markings. With the backing **still on**, align the leads to the junction box opening and trace a precise outline on the mirror surface. This outline is your registration mark — do not skip it.

2 Begin Adhesion

Peel back **2" of backing only**, align the exposed adhesive edge to the traced outline, and adhere the top edge firmly. Once the first strip is bonded, your position is set.

3 Apply Full Surface

Slowly remove the remaining backing while pressing the pad flat against the mirror, working from the adhered edge downward. Apply firm, even pressure to **smooth out all air bubbles** as you go. Reference Diagram D for the recommended hand pressure pattern.

4 Apply Mirror Adhesive (if applicable)

If gluing the mirror directly to the wall, apply adhesive **only to bare mirror backing** — never over the pad surface. Contact adhesive or construction adhesive applied over the pad can trap heat and create a fire or malfunction hazard.

5 Mount Mirror & Make Connections

With a helper, position the mirror against the wall and connect the pad leads to the Romex inside the junction box per wiring detail Diagram E. Push any excess wire into the box, then wire the Romex into the existing vanity lighting junction box using approved connectors.

6 Secure Mirror & Restore Power

Install the mirror per the **mirror manufacturer's** mounting instructions. Once the mirror is secured and all covers are in place, restore power at the breaker. Turn on the vanity lights and confirm operation — **defogging begins within 5 minutes** under normal conditions.

Warranty Registration

Register the 1-year warranty promptly after installation. Clean the mirror surface with ordinary window cleaner — no abrasives.

Online: warmlyyours.com/warranty

Phone: (800) 875-5285

Quick Reference

- Current draw: **0.17 A – 1.28 A** (model dependent)
- GFCI-protected circuit required
- Junction box: **2" × 3" remodeler's box**
- Perimeter gap: **2 mm minimum**
- Defog time: **within 5 minutes**
- Large pad height: **top edge at 6'6" AFF**