

TRESANI

UK Installation & Electrical Safety Guidance

To be read in conjunction with the product user manual

1. Scope & Applicability

This document applies to the following Tresani smart toilet models supplied for the UK market:

- Tresani Axia
- Tresani Alto
- Tresani Nexus
- Tresani Origin
- Tresani Prime

This guidance supplements the product user manual and takes precedence over any installation guidance within it where a conflict exists in the context of UK-specific requirements.

2. General Installation Requirements

- This product must be installed by a qualified and competent person. Electrical work must be carried out by, or under the supervision of, a person competent in accordance with Part P of the Building Regulations (England & Wales) or the equivalent under the Building (Scotland) Regulations 2004.
- Plumbing connections must be made by a suitably competent person in accordance with the Water Supply (Water Fittings) Regulations 1999.
- Installation must comply with:
 - BS 7671:2018+A2:2022 – Requirements for Electrical Installations (IET Wiring Regulations, 18th Edition)
 - Applicable UK Building Regulations
 - Water Supply (Water Fittings) Regulations 1999
 - The product user manual and this guidance document

3. Electrical Supply & Circuit Requirements

- Rated supply: 220–240V ~ 50Hz
- Power rating: 1200W–1380W (model dependent — refer to product rating label)
- The appliance must be connected to a suitable electrical supply in accordance with BS 7671
- **The supply circuit must be protected by a Residual Current Device (RCD) with a rated residual operating current not exceeding 30mA**
- A dedicated circuit is strongly recommended given the power rating of the appliance
- The circuit must be appropriately rated and protected against overload in accordance with BS 7671

4. Plug, Socket & Connection

- Units supplied for the UK market are fitted with a BS 1363 compliant plug
- Where a plug and socket arrangement is used:
 - The socket outlet must comply with BS 1363 and be installed in accordance with BS 7671

- Standard 230V socket outlets (BS 1363) **must not be installed within a distance of 2.5m horizontally from the boundary of Zone 1**, as defined in BS 7671:2018 Section 701.512.3. In practice, this means the socket must be located well outside the bathroom or in a position that satisfies this minimum distance — the installer must verify compliance for each individual installation
- The only exceptions permitted closer to Zone 1 are SELV socket outlets and shaver supply units complying with BS EN 61558-2-5, which may be installed at a minimum distance of 0.6m from the boundary of Zone 1

⚠ Socket Distance Requirement — BS 7671 Section 701.512.3

Standard 230V BS 1363 socket outlets are prohibited within **2.5m horizontally from the boundary of Zone 1** (equivalent to approximately 3m from the edge of a bath or shower tray). This distance is greater than the extent of Zone 2 (0.6m). The installer must measure and confirm this distance as part of the installation assessment. Shaver supply units to BS EN 61558-2-5 are the only socket-type outlet permitted closer than 2.5m from Zone 1, subject to a minimum distance of 0.6m.

- Where installation conditions require it, the appliance may be hardwired by a qualified electrician in accordance with BS 7671, using an appropriate isolation arrangement

5. Bathroom Electrical Zones — BS 7671 Section 701

Installation must take account of the electrical safety zones defined in BS 7671:2018 Section 701 (Locations Containing a Bath or Shower):

Zone	Description	IP Requirement
Zone 0	Interior of the bath or shower basin	IPX7 minimum
Zone 1	Above the bath/shower to 2.25m height	IPX4 minimum
Zone 2	0.6m horizontal distance outside Zone 1	IPX4 minimum
Outside Zones	Beyond Zone 2	Standard requirements apply

This product is rated IPX4, providing protection against water splashes from any direction. This supports suitability for installation in Zone 1 and Zone 2 of a domestic bathroom, subject to correct installation and installer assessment.

⚠ The appliance must not be positioned where it is subject to direct water immersion or continuous high-pressure water spray.

⚠ Standard socket outlets (BS 1363) must not be installed within Zone 1 or Zone 2. The installer is responsible for assessing the bathroom layout and confirming compliant socket positioning before installation.

6. Earthing & Bonding

- The appliance must be properly earthed via the supply circuit

- Supplementary bonding requirements for bathroom locations must be assessed by the installing electrician in accordance with BS 7671 Section 701
- All electrical connections must be secure, correctly rated, and protected against moisture ingress
- The installer must ensure protection against electric shock, water ingress, and mechanical damage to all wiring

7. Water Supply Connection

- The product requires connection to a mains cold water supply
- Water pressure should be within the range specified in the product user manual
- All water connections must use appropriate fittings and must be tested for leaks before the product is commissioned
- Connections must comply with the Water Supply (Water Fittings) Regulations 1999

8. Suitability Statement

This product is intended and rated for installation in a domestic bathroom environment. Suitability for use is conditional upon:

- Correct installation in accordance with this guidance and BS 7671
- Socket and circuit placement complying with BS 7671 Section 701 zone requirements, including the 2.5m horizontal exclusion zone for standard 230V socket outlets from the boundary of Zone 1 (Section 701.512.3)
- Installation by a qualified and competent person
- Use within normal domestic bathroom conditions as described in the product user manual

9. Maintenance & Safety

- Disconnect the power supply at the isolator or fused spur before any maintenance or servicing
- Do not modify, adapt or alter the electrical components of this product
- Servicing must only be carried out by a qualified professional
- If unusual sounds, odours, or malfunctions occur, disconnect power immediately and contact Tresani support before further use
- Do not use the product if the power cable, plug, or any electrical component is damaged

10. After-Sales Support

For installation support, technical queries or warranty matters, please contact Tresani Ltd:

- Website: www.tresani.com/pages/support
- Email: info@tresani.com
- Phone: 0345 548 4344

11. Compliance Statement

This guidance document has been prepared and issued by Tresani Ltd in its capacity as UK importer and responsible person. It supplements the manufacturer's product documentation and is intended to ensure alignment with UK-specific installation and electrical safety requirements applicable to the Great Britain market.

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Signed:	James Reid, Director