

Earthing of equipment

Hazard Alert

During recent electrical inspections, TechSafe electrical inspectors have identified that the outer case of some hot water cylinders are not suitably earthed.

What is the hazard?

During an equipment failure, the conductive outer case of the equipment can become live as the outer case is not connected to a protective earth.

CBOS is currently working with manufacturers and equipment suppliers to address the issue.

Requirements

When installing equipment, electrical practitioners should pay attention when carrying out mandatory testing and install a protective earthing conductor to conductive outer cases if one is not fitted.

The units may be either hard wired or plug in models, and it is the responsibility of the installing electrical practitioner to ensure the equipment suitably earthed and verified in accordance with section 8 of AS/NZS 3000:2018.

General information

Electrical practitioners can find guidance on the testing and verification of an electrical installation in the AS/NZS 3017:2022 – Electrical installations - Verification by inspection and testing. This Standard has detailed illustrations and testing procedures for practitioners to follow.



Examples: Hot water cylinder outer case not earthed.

Further Information

Should you require further information, you can contact us:

- By phone: 1300 654 499; or
- By email: cbos.info@justice.tas.gov.au

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