

**That's It Trades Service**

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**ABN:** 91 864 616 592

**Electrical Contractors Licence:** 90233

**That's It trades Service** is a family-owned business in Cairns Northern Beaches.  
We provide quotes & completed projects all over the Cairns Region.  
We are licensed & insured.

***The information below is designed to guide our Clients on why a circuit update may have been added to any electrical quote.***

**A final subcircuit protection update is required to include Type A RCBO's when the following takes place;**

- Any additional add-ons to any final subcircuit.
- Any new circuit installation is completed, i.e., oven and or cooktop circuit, Air conditioner circuit, power circuit and lighting circuit.

**No changes are required to any final subcircuit when;**

- Only repairs are being completed. I.e., PowerPoint replacement, lighting replacement, oven replacement, cooktop replacement.

***The Following Information is text taken from AS/NZS3000:2018 and Electrical Safety Regulations 2013.***

**Text from AS/NZS3000:2018**

**2.6.3.2.5 Alterations to installations and replacement of switchboards—  
Australia only**

Additional protection by RCDs shall be provided in existing electrical installations where alterations or a switchboard replacement is completed.

The following provisions shall apply:

(a) *Alterations* RCD protection shall be provided as required by Clause 2.6.3.2.2, 2.6.3.2.3 or 2.6.3.2.4, as applicable, where any alteration to an existing final subcircuit is undertaken.

Socket-outlets added to an existing circuit shall be protected by an RCD in accordance with the requirements for new subcircuits in the

part of the installation in which they are located.

Where socket-outlets are added to an existing circuit and RCD protection is required, the RCD protection need only be fitted at the commencement of the additional wiring.

*Exception: Extensions to existing non-RCD-protected final subcircuits supplying lighting points only.*

(b) *Switchboard replacement* Where all of the circuit protection on a switchboard is replaced, additional protection by RCDs as required by this Clause (2.6) shall be provided for the final subcircuits supplied from that switchboard.

#### **2.6.3.2.6 Repairs—Australia only**

The requirements of this Clause (2.6.3) need not apply where a socket-outlet, luminaire or single item of electrical equipment that is not RCD-protected is replaced with an equivalent item in the same location.

For the purpose of this Clause, the replacement of a single socket-outlet with a multiple socket-outlet assembly is deemed to be a repair.

#### **2.6.3.2.1 General**

RCD installation requirements, for Australia only, shall comply with Clauses 2.6.3.2.2 to 2.6.3.2.6.

*Exceptions: These requirements need not apply to the following:*

- 1 *Final subcircuits supplied at ELV in accordance with Clause 7.5.*
- 2 *Final subcircuits supplied from a separated supply in accordance with Clause 7.4.*

#### **2.6.3.2.2 Domestic and residential installations—Australia only**

Additional protection by RCDs with a maximum rated residual current of 30 mA shall be provided for all final subcircuits in domestic and residential electrical installations.

Where protection of final subcircuits is required, RCDs shall be installed at the switchboard at which the final subcircuit originates.

These installations include but are not limited to—

- (a) individual domestic electrical installations;
- (b) residential areas of electrical installations;
- (c) multiple residential electrical installations that are provided for common use; or
- (d) external lighting installations in common areas of multiple residential electrical installations.

*Exception: RCD protection need not apply to repairs undertaken in accordance with Clause 2.6.3.2.6.*

#### **2.6.3.2.5 Alterations to installations and replacement of switchboards—Australia only**

Additional protection by RCDs shall be provided in existing electrical installations where alterations or a switchboard replacement is completed.

The following provisions shall apply:

(a) *Alterations* RCD protection shall be provided as required by Clause 2.6.3.2.2, 2.6.3.2.3 or 2.6.3.2.4, as applicable, where any alteration to an existing final subcircuit is undertaken. Socket-outlets added to an existing circuit shall be protected by an RCD in accordance with the requirements for new subcircuits in the part of the installation in which they are located.

Where socket-outlets are added to an existing circuit and RCD protection is required, the RCD protection need only be fitted at the commencement of the additional wiring.

*Exception: Extensions to existing non-RCD-protected final subcircuits supplying lighting points only.*

(b) *Switchboard replacement* Where all of the circuit protection on a switchboard is replaced, additional protection by RCDs as required by this Clause (2.6) shall be provided for the final subcircuits supplied from that switchboard.

#### **2.6.3.2.6 Repairs—Australia only**

The requirements of this Clause (2.6.3) need not apply where a socket-outlet, luminaire or single item of electrical equipment that is not RCD-protected is replaced with an equivalent item in the same location.

For the purpose of this Clause, the replacement of a single socket-outlet with a multiple socket-outlet assembly is deemed to be a repair.

## **Text from Electrical Safety Act 2002 – Electrical Safety Regulations 2013 Current as at 17 June 2022**

### **Division 1 Performing electrical work**

#### **70 Licensed electrical worker to comply with wiring rules**

A licensed electrical worker who performs electrical work on an electrical installation must ensure the electrical installation, to the extent it is affected by the electrical work, complies with the wiring rules.

### **Division 4 Installation of approved safety switches in domestic residences**

#### **81 Definitions for div 4**

In this division—

*chief executive (land)* means the chief executive of the department in which the *Land Act 1994* is administered.

*date of possession*, for residential land, means the date the transferee of the land enters into lawful possession of the land.

*domestic residence* means a building or structure, or a part of a building or structure, that—

(a) is used, or designed to be used, as a single dwelling; and

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*Examples for paragraph (a)—*

- dwelling house
- flat

(b) is not used, or designed to be used, for temporary accommodation.

*Examples of temporary accommodation for paragraph (b)—*

- boarding house
- motel

**general purpose socket-outlet** means a low voltage socket-outlet that—

- (a) has a rating of 10A; and
- (b) is designed to fit a three-pin flat-pin plug that complies with the relevant standard under part 7 for the type of plug; and
- (c) is used, or intended to be used, or could at some time reasonably be expected to be used, for more than 1 appliance.

**residential land** means land on which a domestic residence is constructed, and includes an interest in residential land.

**transfer date**, for residential land, means the date the transferee of the land is entitled to lawful possession of the land.

**transferee**, of residential land, means the person who, on becoming entitled to possession of the land, may lodge an application for registration—

- (a) under the *Land Act 1994*, as a lessee, or personal representative of a deceased lessee, of the land; or
- (b) under the *Land Title Act 1994*, as an owner, or the personal representative of an owner, of the land.

**transferor**, of residential land, means—

- (a) if, immediately before the transfer date for the residential land, a mortgagee in possession under the *Property Law Act 1974* is in lawful possession of the land—the mortgagee in possession; or
- (b) otherwise—the person registered, immediately before the transfer date for the land—
  - (i) under the *Land Act 1994*, as a lessee, or personal representative of a deceased lessee, of the land; or
  - (ii) under the *Land Title Act 1994*, as an owner, or the personal representative of an owner, of the land.