



**Electrical
Laser**

“Totally Dependable”

Electrical Assessment Report



88 Russell rd, Circle Hill

Laser Electrical Dunedin
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Dunedin
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Certificate of Inspection

Certificate of Inspection in accordance with Electrical Wiring Regulations and S3 AS/NZS 3009:2017

Statement of Conditions

1) This report is issued at the request of the client and shall not be regarded as a guarantee of the performance or safety of the installation at the premises.

2) In relation to all general wiring work of the installation this report shall only apply to readily visible wiring and other electrical apparatus or equipment. Accordingly, this report shall not apply to parts of the installation which are located in the roof, ceiling, wall cavities, under floorboards, or underground.

The opinions expressed in the report document shall be deemed to be those held at the date of the Report

House Electrical Inspection | Site Conducted: Y
4/09/2025 1:13:47 pm

Client:

Site Address:

Job Reference:

47160

Prepared By:

Ryan

Registration Number:

E243267

Date:

4/09/2025 1:13:47 pm

Flagged items

At Entry Point

GOOD

The Following Items Have been Inspected

Mains:

At Entry Point

FAIR

Could use some new mechanical protection



Mains Entry

Meterbox:

Condition of Meterbox

GOOD

Earthing

GOOD

Condition of Cables

GOOD



Meterbox

Main Earth:

Sighted and protected

Switchboard:

Conditions of Switchboard

Main switch

Labeling

Fuses/ Miniature Circuit Breakers

Neutral & Earth Bars

Bare Earth Wires

Bonding

Insulation

GOOD
GOOD
GOOD
GOOD
GOOD
N/A
GOOD
GOOD



Earth & Neutral Bars



Switchboard

Ceiling Space:

Cables Clipped within 2 Metres of Manhole

GOOD
GOOD

Neatly Installed and Protected Cables

Hot Water System:

Polarity	GOOD
Earthing	GOOD
Insulation	GOOD



Hot Water Heater

Kitchen:

Range	GOOD
Fixed Appliances	GOOD
Powerpoints	GOOD
Lighting	GOOD



Kitchen

Dining:

Powerpoints	GOOD
Lighting	GOOD



Lounge/ Living:

Powerpoints

GOOD

Lighting

GOOD



Lounge & Living room

Heat pump:

Condition

GOOD

Laundry:

Fixed Appliances

N/A

Powerpoints

GOOD

Lighting

GOOD



Laundry

Entrance and Hallway:

Powerpoints

GOOD

Lighting

GOOD

Bad earth loop tests



Entrance and hall

Bedroom1:

Powerpoints

GOOD

Lighting

GOOD

Bedroom2:

Powerpoints

GOOD

Lighting

GOOD

Bedroom3:

Powerpoints

GOOD

Lighting

GOOD

Bedroom4:

Powerpoints

GOOD

Lighting

GOOD

Bathroom:

Powerpoints

GOOD

Lighting

GOOD

Exterior:

Powerpoints

GOOD

Lighting

GOOD

Glossary of Terms

VIR is Vulcanised Indian Rubber cable - wires are sheathed in old rubber casing that is prone to perishing with age and heat. This product was widely used in the early decades of the 20th century and is commonly found in homes in New Zealand dating before 1950. If encapsulated within metal conduit this can remain quite stable, but rubber degradation is potentially a problem as rubber degrades where exposed at power points and switches. VIR can also be found encapsulated within wooden cap and casing.

TRS is Tough Rubber Sheathed cable - again, the effect of heat and age degradation on the rubber sheathing means the wires inside the rubber sheath may become exposed, particularly where cable is bent or twisted and the rubber can break away, creating a hazard.

TPS is Tough Plastic Sheathed cable, introduced in the 1960's and is considered a safe modern product.

PDL 60 PowerPoints

These power points were widely used in the 1960's and have a tendency to splay open at the earth contact (front of the picture) over time as a result of use.

The earth pin of the three-pin plug cannot contact the surface due to the distance between the contact plates.



See how the other two (phase and neutral) contacts have the strips nearly touching. The result of using this in this condition is the powerpoint has no earth