



**SOUTH
CITY**
ELECTRICAL

REEL-EZI

Product Profile

Polarity and continuity testing. How easy?

REEL-EZI

Reel-Ezi is your polarity & main earth continuity tester, essential to comply with standards and regulations AS/NZS 3000:2007 - 8.3.7 Polarity, 8.3.5 Earth Continuity

Features include

- // Robust construction
- // 2.5mm x 25m of lead
- // Multi-purpose testing
- // Easily stowed
- // Connects direct to earth peg
- // Quick setup/pack-up
- // 5 year warranty on steel

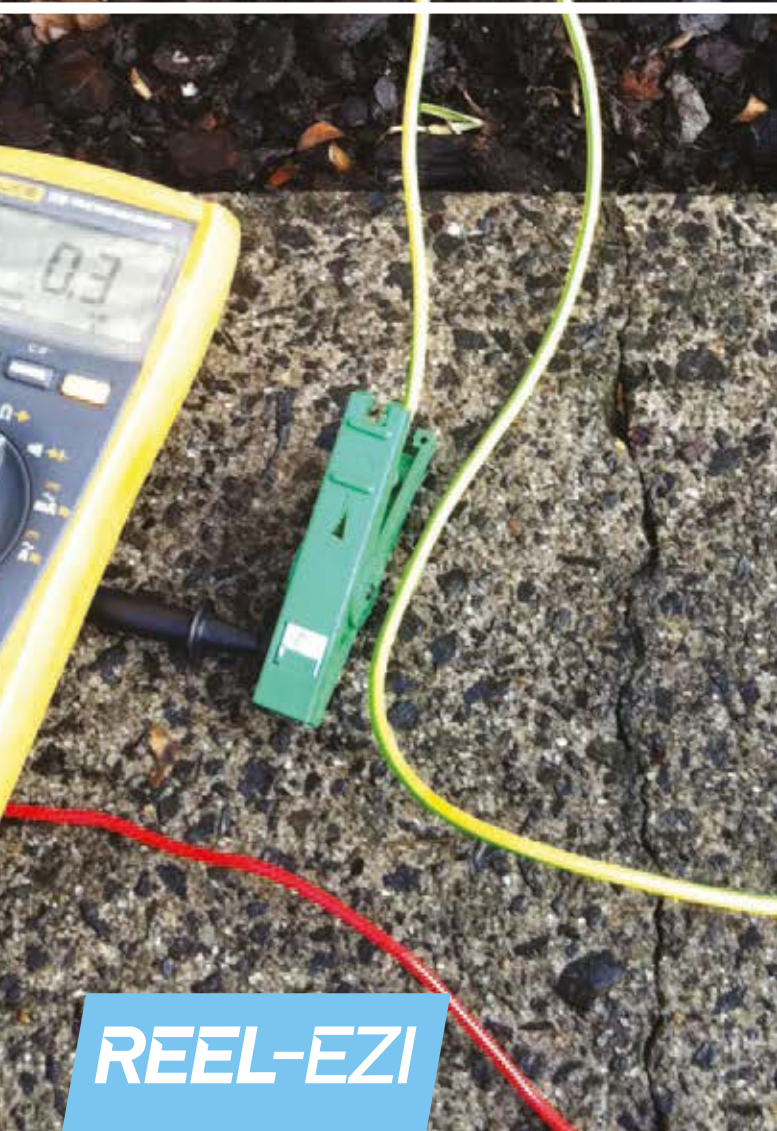


REEL-EZI



Zero Meter

Set meter to zero with meter connected to both ends of Reel Ezi



REEL-EZI

Testing Options

1

Main earth conductor resistance test

2

Polarity testing of consumers mains (independent earth)

3

Polarity testing of sub mains (independent earth)

4

Resistance testing for protective earthing and equipotential bonding conductors

5

Continuity testing and polarity of sub circuits

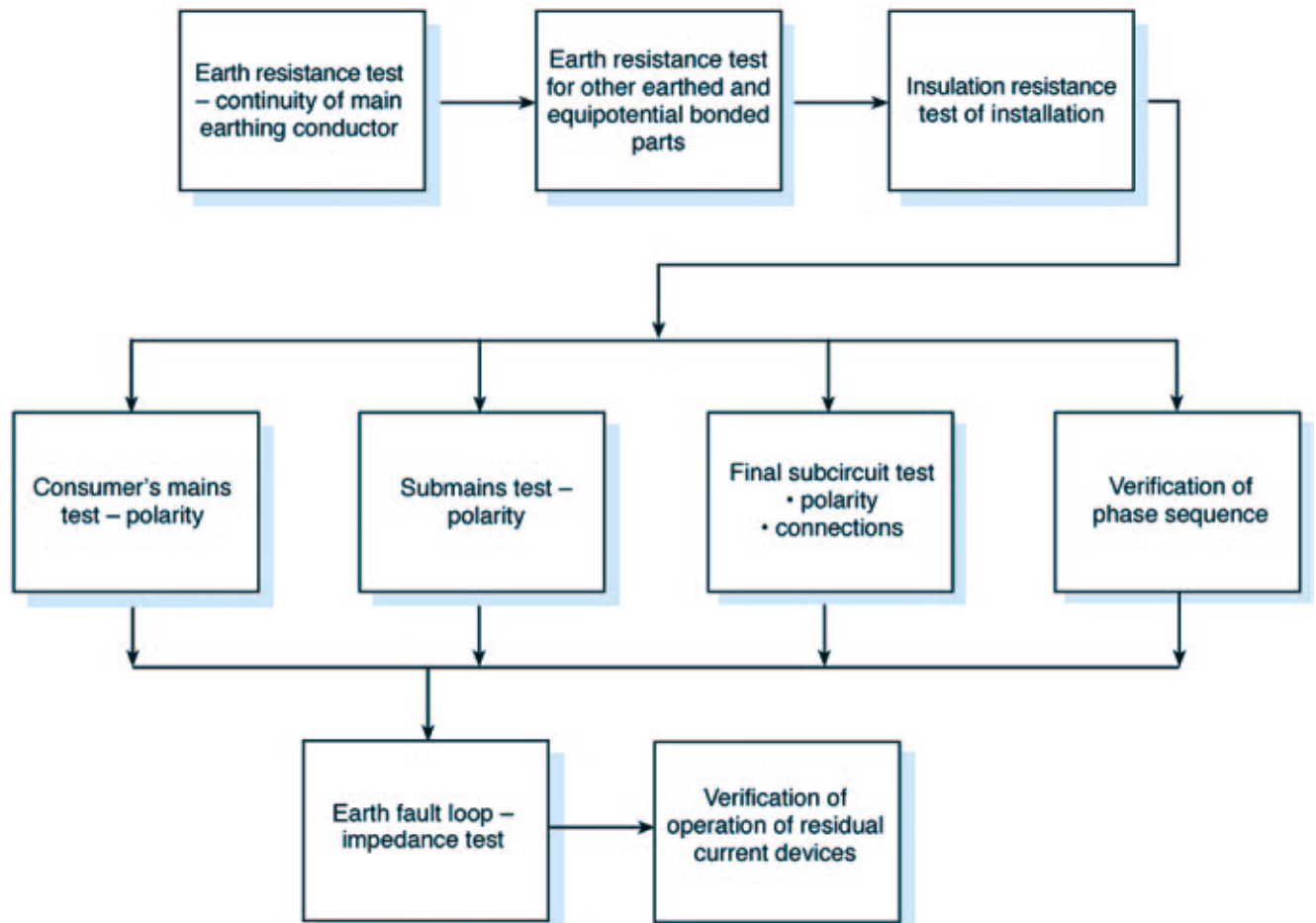
6

Fault finding: Use to provide earth reference where earth is not available at switch points etc.

Sequence of tests

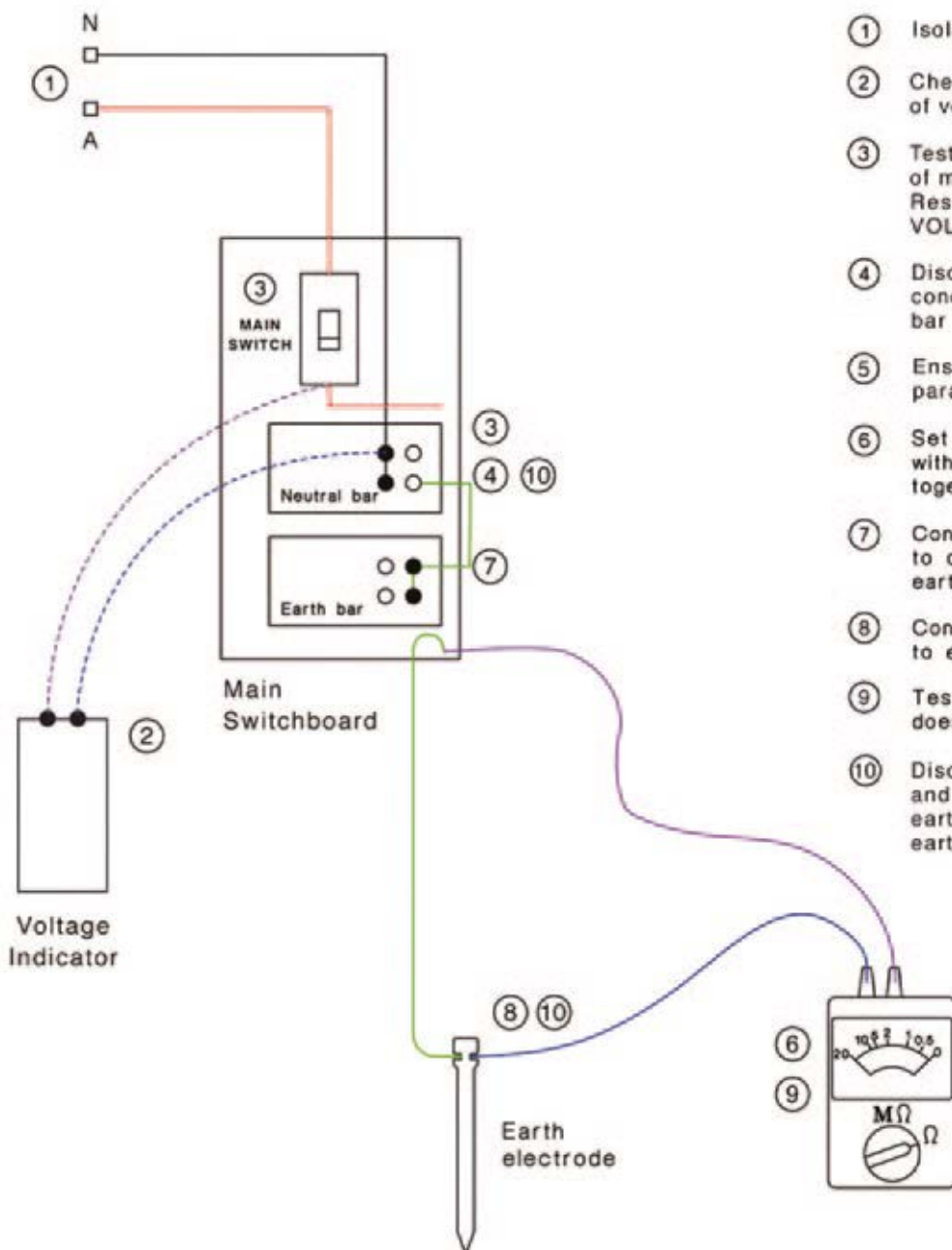
Typical Test Sequence

Shows a typical sequence for testing electrical installation work



Sequence of tests

Resistance test of main earthing conductor
Numbers indicate test sequence



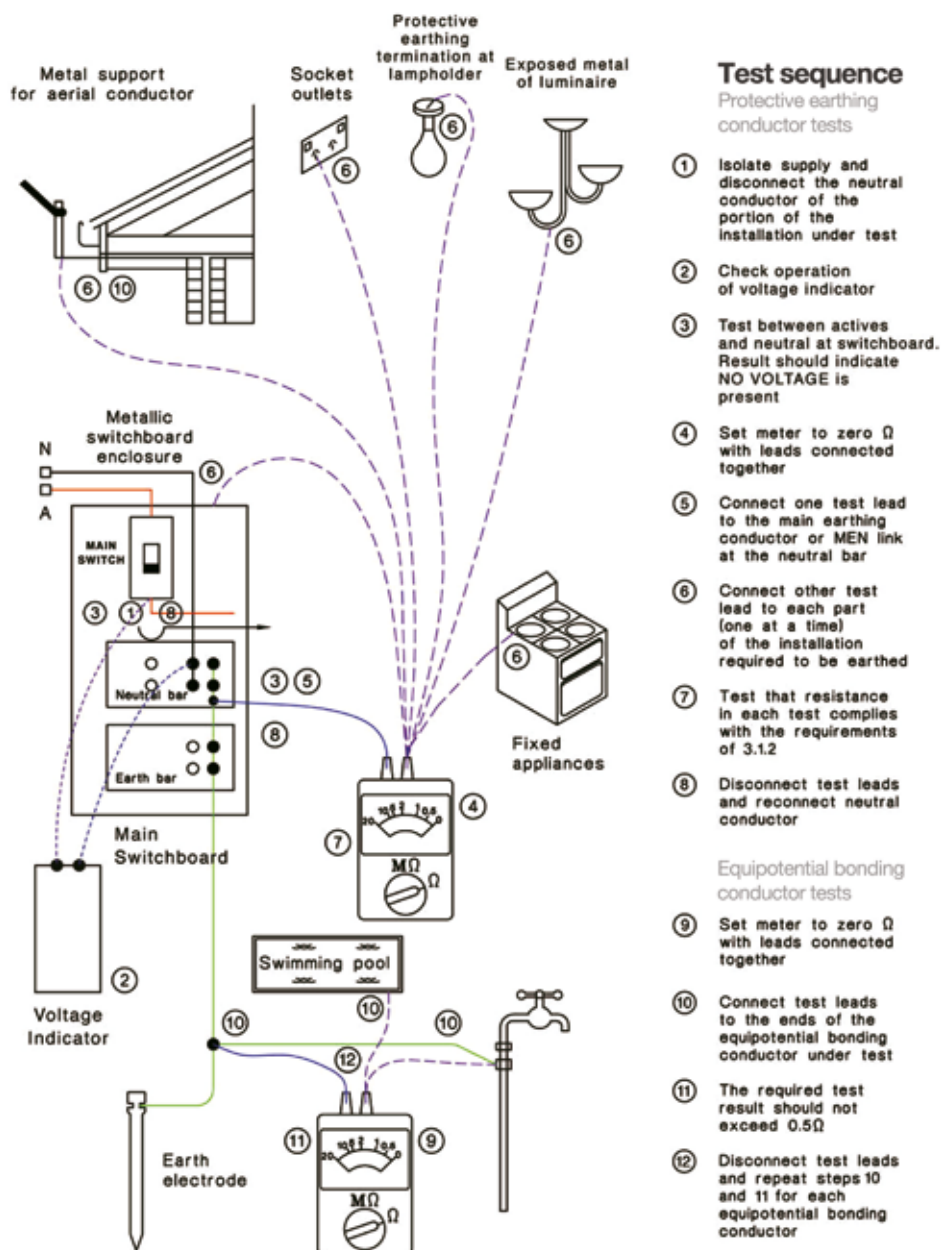
Test sequence

- ① Isolate supply
- ② Check operation of voltage indicator
- ③ Test between load side of main switch and neutral. Result should indicate NO VOLTAGE is present
- ④ Disconnect main earthing conductor from the earth bar
- ⑤ Ensure there are no parallel earth paths
- ⑥ Set meter to zero Ω with leads connected together
- ⑦ Connect one test lead to disconnected main earthing conductor
- ⑧ Connect other test lead to earth electrode
- ⑨ Test that resistance does not exceed 0.5Ω
- ⑩ Disconnect test leads and reconnect the main earthing conductor at the earth bar

Sequence of tests

Resistance test for protective earthing and equipotential bonding conductors

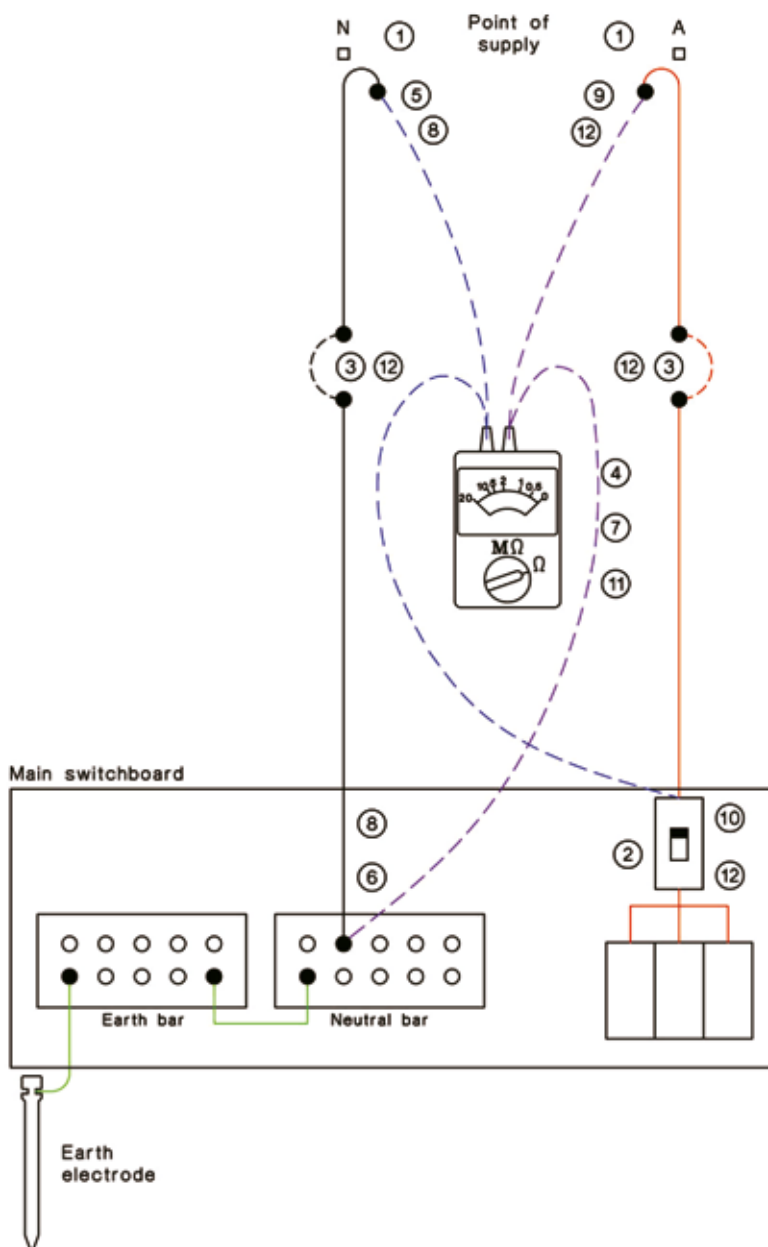
Numbers indicate test sequence



Sequence of tests

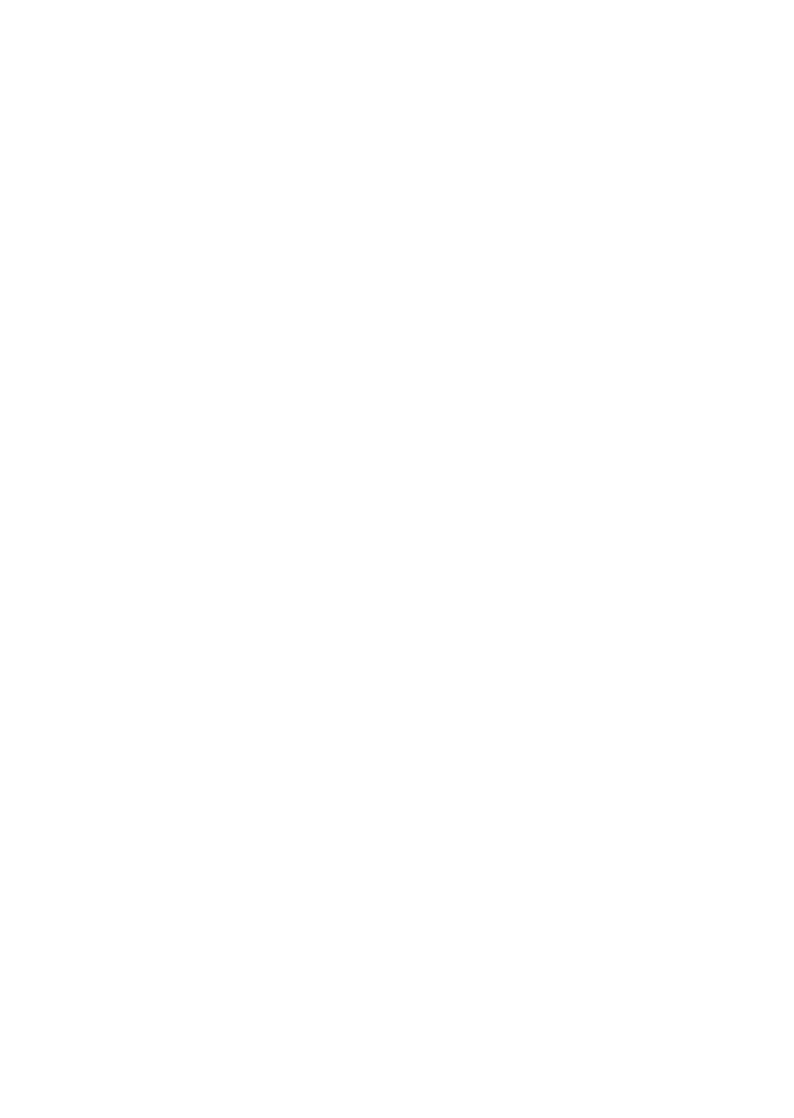
Polarity test of consumers mains (supply not connected)

Numbers indicate test sequence



Test sequence

- ① Ensure conductors are disconnected from supply
- ② Turn main switch(es) OFF
- ③ Where metering equipment is not installed use bridging conductors
- ④ Set meter to read zero Ω with leads connected together
- ⑤ Connect one test lead to end of neutral conductor of consumer mains at point of supply
- ⑥ Connect other test lead to neutral bar
- ⑦ Test that neutral conductor resistance to neutral bar is approximately zero Ω
- ⑧ Disconnect test leads
- ⑨ Connect one test lead to end of active conductor of consumer mains at point of supply
- ⑩ Connect other test lead to line side of the main switch(es)
- ⑪ Test that active conductor resistance is approximately zero Ω
- ⑫ Disconnect test leads and remove metering equipment bridging conductors if used



Easily Stowed

Its compact design makes Reel Ezi not only highly portable but also easy to store in vehicle or workshop.



REEL-EZI

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