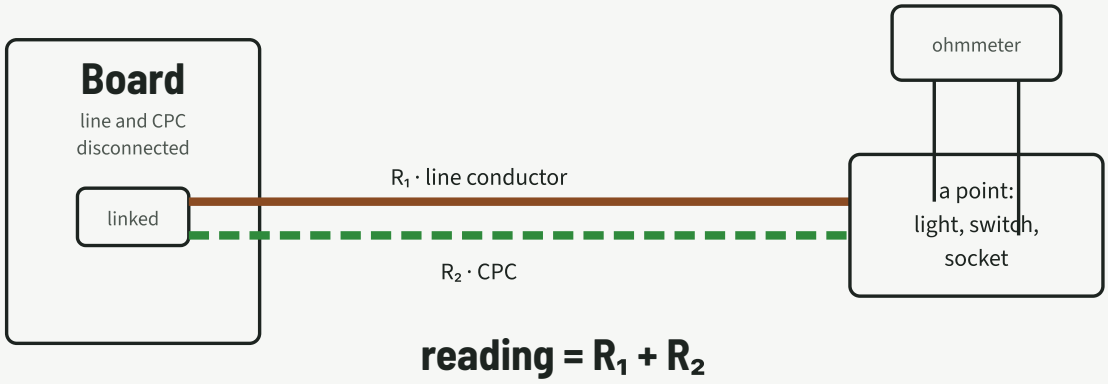
R1 + R2: LINK LINE AND CPC AT THE BOARD

WHY NOT JUST PUT THE LINE IN THE EARTH BAR?

With the circuit isolated, **disconnect the line** from its protective device and the **CPC** from the earth bar, and join the two together. A connector block, a lever connector or a pair of small crocodile clips all do the job. You have now made a temporary loop: out on the line, back on the CPC.



Joined at the board, the line and CPC make one loop. Put the meter across the line and CPC terminals at a point, and you measure the whole loop out and back: $R_1 + R_2$.

Disconnect both, then join them.

On an initial verification, take the line and the CPC out and join them to each other, so you are working on that circuit alone. The quick alternative — putting the circuit's line into the earth bar — leaves every other CPC on the bar in parallel with yours, and can flatter the reading.

On a **periodic** it isn't always that simple. In an installation wired in singles and badly marked up, you may not know which CPC belongs to which circuit. Linking the line into the earth bar is then the practical answer — with the parallel-path caveat in mind.

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