ZE, ZDB AND ZS: WHERE EACH ONE IS DONE

WHERE IS ZDB MEASURED?

Three values, three places, and the middle one gets mixed up most.

VALUE	WHERE	PARALLEL PATHS
Z_e	At the origin — your **main** board, across the incoming supply	Removed — earthing conductor disconnected
Z_{db}	At any **other** board — garage, workshop, summer house	Left connected
Z_s	At **every circuit**, at the point of utilisation	Left connected

✋ **Z_{db} is measured at each board other than the main one.** It is the Z_s of a distribution circuit, measured at the board that circuit feeds. If a property has three or four boards you will have three or four Z_{db} values — and three or four test sheets, each carrying its own. For the main board itself, the Z_{db} box on the schedule takes your Z_e.

Z_s can be calculated instead of measured.

$Z_e + (R_1 + R_2)$ saves you climbing into a loft to reach a lighting point. Both are accepted.

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