ADS, AND NOT ASSUMING THE EARTHING ARRANGEMENT

NO EARTHING CONDUCTOR. IS IT TT?

Guidance Note 3 · p.34 . **Automatic disconnection of supply** is **fault protection** — which is a different thing from basic protection.

	PROVIDED BY
Basic protection	Basic insulation, barriers and enclosures
Fault protection — ADS	An earthing arrangement, protective devices, bonding conductors, correctly sized conductors

`The designer chooses the earthing arrangement, and the DNO confirms it`

✋ **Never decide the earthing system from a glance.** It needs to be confirmed, in writing, on paperwork.

THE TRAP

You look at the service head. There is **no earthing conductor.**
The obvious conclusion is: it must be TT.

But it might be **TN-C-S with the earthing conductor missing** — never installed, or left out by the installer or the DNO.

What you actually do.

Go outside and look for the earth electrode cover. If there is no electrode, **enquire with the DNO**. If they confirm TN-S or TN-C-S, then there is an earthing conductor missing that has to be installed straight away — and they will give you access to the service head to do it.

Designing for the environment.

Horse stables twenty miles from the nearest town is a TT system, and everyone knows it. The earthing arrangement follows what is around you.

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