



Gas Safe Register
Technical Bulletin 118a
The safe electrical isolation
of gas appliances

Updates Guidance document 039

ceda Guide 061

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Introduction

Gas Safe Register Technical Bulletin 118 which was published on the 30th January 2018 is being replaced by three separate documents as follows:

- o TB118a - Safe to touch and/or safe isolation and proving electrically dead on low voltage single-phase supplies (below 1000 volts)
- o TB118b - Safe to touch and/or safe isolation and proving electrically dead on low voltage multi-phase supplies (below 1000 volts)
- o TB118c - Earth loop impedance testing

TB118a has already been published (1st February 2023) and can be downloaded by registered engineers and companies from the Gas Safe Register website or on request from ceda (peterkay@ceda.co.uk), however, TB118b and TB118c have still to be published and therefore the above titles may not be the final versions.

Guidance to members

As explained in Guidance document No 39 TB118 was primarily aimed at the domestic market and only referred to single phase electrical supplies but included a requirement to carry out an earth loop impedance test “using an instrument designed for the purpose”. This is easy to carry out in domestic premises using a relatively low-cost socket tester.





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The safe electrical isolation of gas appliances continued

The situation in commercial kitchens, however, is different and an earth loop impedance test is more complex and beyond the competence of the majority of foodservice equipment technicians and should only be carried out by a qualified electrician. Guidance document No 39 provided guidance on suggested procedures to ensure that the client was made aware of their responsibility for the electrical installation.

TB118a does not stipulate any requirement for earth loop impedance testing and therefore there is no need for foodservice equipment technicians to even consider it. If a client insists on earth loop impedance testing he should be advised that he should use a qualified electrician to carry this out.

TB118b and TB118c

ceda is represented on the TB118 review committee and is lobbying for earth loop impedance testing to be carried out by qualified electricians and not by gas engineers.

