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ADVISORY NOTIFICATION

Subject: The two earth return sockets explained

Date: 17/01/2014 Design implementation

A **protective earth return socket** has been added to the control fascia of the tester to be used in conjunction with **Class II run testing only**. This socket is hard wired to the mains input socket via the chassis. The purpose of this socket is to provide a very low resistance path for leakage currents to flow from poor electrically isolated active parts of an appliance. Dangerous currents may also flow via this path without causing damage to the tester or electric shock to the operator. The conductive path can sustain currents up to 25 amps at a low voltage drop across the earth test lead.

The **normal earth return test socket** accesses the necessary earth measurement and cloak detection circuitry for Class I and II testing.

Outcome: Adding the protective earth return socket enhances safety for operator and reduces possible damage to the tester. This implementation is unique to our range of testers.