Dear Customer:

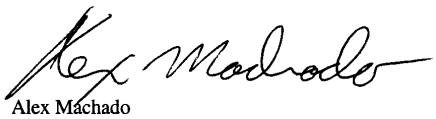
Thank you for requesting information regarding PAT testing of Surge Protectors. There are several reasons why the surge protector you have purchased will not pass the PAT test, Section 15.9 (page 40 of the testing procedure).

1) Surge protectors use Metal Oxide Varistors (MOVs) as the primary component to absorb over voltages in the power. MOV's work by absorbing the overvoltage and dispersing it to the ground line, safely away from the equipment the surge protector is design to protect. MOV's inherently leak current to the ground line during everyday use. The leakage will cause a failed test result during the high leakage current test (section 15.11)
2) The Institution of Electrical Engineers (IEE), the author of the Code of Practice for In-Service Inspection and Testing of Electrical Equipment, confirms that they have not developed a test for "Transient Voltage Surge Suppressors" and they recognize that a "TVSS" will not pass the PAT high leakage current test (section 15.11). Until they decide to modify the testing or provide an additional test, the product should not be tested for PAT.

   Please direct any questions regarding this issue to the Institute of Electrical Engineers, Technical Services:

   Telephone +44 (0)7240 1871

Regards,



Alex Machado
Power Product Marketing Manager - Europe