

electrium



**Amendment 2 Compliance
Made Easy with Innovative
Product Solutions**



AFDDs Mandated, SPDs in All Installations & Extended Use of RCDs

Protection
Against Fire
Caused by
Electrical
Equipment



Overvoltage protection devices (SPDs) are now required in all installations, however, in some cases the owner can opt out and accept all risks from such overvoltages.
See Regulation 443.4.1

AFDDs are now mandatory for socket circuits in certain types of buildings and are recommended for socket circuits in all other types of building.
See Regulation 421.1.7

Protection Against
Transient Overvoltages



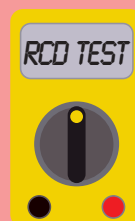
Outdoor
Lighting
Installations



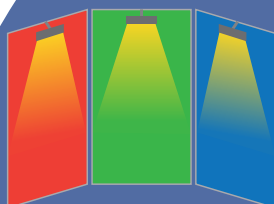
Testing of RCDs has been revised and now only requires test at $I_{\Delta n}$ i.e. residual rated operating current.
See Chapter 64

Outdoor lighting that is accessible to the public now requires additional protection by 30mA RCD or RCBO.
See Section 714

Testing RCDs & RCBOs



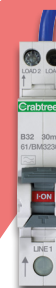
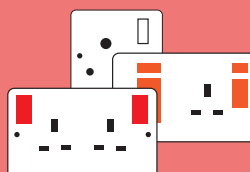
Exhibitions &
Show Stands



30mA RCD protection is required on socket outlets. No exceptions are allowed in locations where sockets are used by ordinary persons, children or disabled persons.
See Regulation 411.3.3

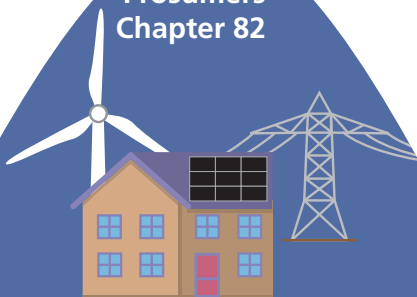
Final circuits supplying socket outlets, hand held equipment & lighting at exhibitions & shows etc. require protection by automatic disconnection of supply & additional protection by a 30mA RCD, or by other approved means.
See Section 711

Additional Protection
for Socket Outlets



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Prosumers Chapter 82



The technical content of Section 712 is significantly revised and expanded and now applies to a variety of PV connection configurations including those connected to a system for distribution of electricity to the public and those that are not

A new chapter has been introduced (Chapter 82) for Prosumers Electrical Installations, those who have a source that produces electricity but may also store electricity & consume electricity from other sources



Unwanted Tripping



AC Type RCDs should only be used to serve fixed equipment that does not contain any DC components e.g. simple electric heating or filament lighting without electronic components.
See Regulation 531.3.3

Where additional protection (30mA device) is required designers should consider the use of RCBOs in conjunction with the requirements of Chapters 53 & 31 i.e. to avoid hazards & dangers from unwanted tripping of healthy circuits

Selection of RCDs



Identification & Notices



Appendix 6 has been revised and updated, it now includes guidance and requirements for installations with AFDDs and SPDs

The label which relates to installations with mixed wiring colours has been removed from the requirements, and other notices and labels may not be required for domestic household premises provide there has been adequate client instruction. However a new requirement for "SPD present" label has been added. See Section 514

Certification & Reporting Model Forms

Reporting

AFDD	✓
SPD	✓
RCBO	



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Readers should refer to the BS7671 18th Edition IET
Wiring Regulations including Amendment No2 for full
details of all regulations

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