

John Whitfield Electricians Guide

The Guide to Electrical Maintenance
The Electrician's Guide to the 16th Edition of the IEE Wiring Regulations
Electrician's Guide to the 16th Edition of the IEE Wiring Regulations
The Electrician's Guide to the 16th Edition of the IEE Wiring Regulations
The Electrician's Guide to the 17th Edition of the IET Wiring Regulations BS 7671:2008 incorporating Amendment 3:2015 and Part P of the Building Regulations
The Electrician's Guide to the 17th Edition of the IEE Wiring Regulations BS 7671
The Electrician's Guide to the 16th Edition of the IEE Wiring Regulations
Electrical Notes
A Guide to the 15th Edition of the IEE Wiring Regulations
The Electrician's Guide to the 17th Edition of the IEE Wiring Regulations BS 7671: 2008 and Part P of the Building Regulations
Kempe's Engineers Year-book
Production Safety for Film, Television and Video
Walford's Guide to Reference Material: Science and technology
A Guide to the 15th Edition of the IEE Wiring Regulations
The Guide to Electrical Safety at Work
Building Services Journal
Subject Guide to Books in Print
Engineer's Year-book of Formulae, Rules, Tables, Data & Memoranda
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for more than 30 years students and practising electricians have relied on John Whitfield to guide them through the complexities of the wiring regulations unlike other publications it does not assume that readers are fully conversant with electrical theory it assumes just a basic knowledge and introduces

technical matter with brief easy to understand explanations his guide is a recognised brand has consistently been a bestseller and regarded as the guide to the wiring regulations this 4th edition covers amendment 3 2015 regarded as potentially life saving which comes into effect july 2015 as in earlier editions all useful relevant details derived from other iet publications such as guidance notes wiring matters which might otherwise be overlooked by electricians are included importantly the guide also benefits from the most up to date hands on expertise provided by the co author andrew hay ellis whose credentials are second to none he is an established author of vocational electrical books and amongst other functions is a chief examiner at city guilds

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motors 285 9 calculate voltage regulation for 11kv 22kv 33kv overhead line rec 286 10 calculation technical losses of distribution line 289 11 calculate cable size and voltage drop of ht lv cable 291 12 calculate idmt over current relay setting 50 51 294 13 calculate size of capacitor bank annual saving payback period 296 14 calculate no of street light pole 299 15 calculate no of lighting fixtures lumens for indoor lighting 301 16 calculate street light pole distance watt area 302 17 calculate short circuit current isc 303 18 calculate size of bus bar for panel 307 19 calculate size of cable tray 312 20 calculate size of diesel generator set 314 21 calculate size of main elcb branch mcb of distribution box 317 22 calculate size of solar panels 322 23 calculate size of inverter battery bank 324 24 calculate cable trunking size 328 25 calculate size of conduit for cables wires 329 26 calculate cable voltage drop for street light pole 330 27 calculate lighting protection for building structure 333 28 calculation size of pole foundation wind pressure on pole 336 29 calculation of flood light facade light street light and signage light 338 30 calculate size of neutral earthing transformer net 345 31 calculate transformer regulation losses as per name plate 347 32 calculation of crippling ultimate transverse load on electrical pole 349 33 calculate size of circuit breaker fuse for transformer as per nec 351 34 calculate size of ventilation fan 353 35 calculate motor pump size 354 36 calculate lighting fixture s beam angle and lumen 356 part 3 electrical notes motor starter 1 direct on line starter 359 2 star delta starter 364 3 motor number plate terminology 370 transformer 4 three phase transformer connection 372 5 vector group of transformer 388 6 difference between power transformer distribution transformer 401 7 parallel operation of transformers 402 8 various routine test of transformer 409 9 standard transformer accessories fittings 423 10 basic of current transformers 437 lighting luminars 11 selection of lighting luminaries 453 12 different type of lamps and control gear 467 13 what should you know before buying led bulbs 481 14 type of lighting bulb base socket 490 15 type of lighting bulb shape size 497 16 what is fixture s beam angle beam diameter 521 17 difference between high bay and low bay flood light 526 18 various factor for illumination calculation 532 19 how to design efficient street light 539 cables 20 cable construction cable selection 566 21 difference between unearthed earthed cables 575 22 low voltage and high voltage cable testing 577 23 ehv hv cable sheath earthing 580 24 hipot testing 588 25 type of cable tray 591 26 type of cable glands 595 27 cable tray size as per national electrical code 2002 article 392 599 earthings 28 what is earthing 601 29 difference between bonding grounding and earthing 606 mcb mccb fuse relay 30 working principle of elcb rccb 609 31 difference between mcb mccb elcb rcbo rccb 613 32 what is correct method of mcb connections 616 33 type of mcb distribution board 620 34 type and specification of fuse 624 35 how to select mcb mccb 637 36 tripping mechanism of mccb 645 37 setting of over load short circuit ground fault protection of mccb 650 38 types and revolution of electrical relay 656 electrical questions answers 39 electrical questions answers 674 power distributions transmissions 40 type of electrical power distribution system 697 41 impact of floating neutral in power distribution 703 42 total losses in power distribution transmission lines 708 43 single earthed neutral and multi earthed neutral 714 44 types of neutral earthing in power distribution 717 45 effects of unbalanced electrical load 726 46 vibration damper in transmission line 732 47 what is ferranti effect 735 48 what is corona effect 737 49 harmonics and its effects 745 50 what is demand factor diversity factor utilization factor load factor 755 51 guideline of design electrical network for building small area 764 52 type size location of capacitor in electrical system 766 53 types of overhead conductors 775 54 what is power factor 783 55 11kv 415v over head line s specification as per rec 790 56 analysis the truth behind household power savers 803 57 how reactive power helpful to maintain a system healthy 806 58 effects of high voltage transmission lines on humans and plants 813 59 how to save electrical energy at home 819 others 60

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covering all aspects of production safety this is an invaluable reference guide for the independent programme maker freelancer manager producer tutor and student filmmaker robin small identifies all the major risks and gives advice on how to control and or eliminate them each hazard section includes useful references to the relevant legislation documents and licences as well as addresses of organisations for essential advice and recommended further reading an appendix lists samples of vital certificates with visual references provided on focalpress com important information about hazard identification risk assessment and safety policy is provided in the chapters covering legislation health and safety management personal protective equipment and insurance particular hazards are then split into individual sections for ease of reference these hazards include asbestos cranes explosives and pyrotechnics food and catering manual handling and lifting visual display screens working at heights the appendices provide comprehensive contact information for uk and european health and safety sources they also include sample forms to draw up your own safety system robin small is senior lecturer in television media department at the university of huddersfield

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coverage of publications outside the uk and in non english languages expands steadily until in 1991 it occupies enough of the guide to require publication in parts 1995 issued in 2 vols 2003 issued in 3 vols

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