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Farnell June 2001 Book 1

Training – IT

**Subject:** ACCESS 7  
**Title:** Access for Windows 95 – Part 3  
**Producer:** SOFTVISION  
**Media:** Video  
**Course Contents:** Developing applications. Introduction to VBA. Putting VBA to work. Application integration. Database security. Optimising Access. Customising your application. MS Access World.  
**Total running time:** 3 hours  
**Audience:** Advanced

**Price Each**  
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**Subject:** ACCESS 97  
**Title:** Microsoft Access 97  
**Producer:** SOFTVISION  
**Media:** Video  
**Total running time:** 2½ hours  
**Audience:** Beginner–Intermediate

**Price Each**  
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**Subject:** MULTIMEDIA  
**Title:** Professor Multimedia Version 2  
**Producer:** SOFTVISION  
**Media:** CDROM  
**Contents:**  
- Learn what Multimedia is Really About  
- Learn to Produce Multimedia Presentation(s) and Projects  
- Explore Award-Winning Software. 3D Animations and Videos  
- Get Expert Tips on Hardware and Software Trouble shooting  
- Test Drive Leading Software  

There are more than 50 dazzling videos and 3D animations with over 6 hours informative narration, music and sound effects. A 200 word glossary of multimedia terms. Over 500 tips on real-life applications. Fully functional modules of Action! and Astound® presentation programs. 12 different award-winning multimedia program tours from education to entertainment. There are also explanations and solutions to the most common problems encountered when working with multimedia.  
**System requirements:** Windows 3.1 or higher, VGA or higher display and a mouse. Memory requirements will be listed on individual items.  
**Audience:** Beginner, Intermediate and Advanced  
**Course duration:** 1-2 hours

**Price Each**  
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**Subject:** INTERNET  
**Title:** Creating Your Own Web Page  
**Media:** VIDEO  
**Course Contents:**  
- Why create a Web page. How to create it, design essentials, working with graphics and background effects, authoring software.  
**Running Time:** 50 Mins  
**Audience:** Beginners

**Price Each**  
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**Subject:** NETWORKING  
**Title:** Windows NT 3.51  
**Producer:** SOFTVISION  
**Media:** Video  
**Total running time:** 3 hours  
**Audience:** Beginner, Intermediate, Advanced

**Price Each**  
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Subject: OFFICE 97
Producer: SOFTWAREVISION
Title: Microsoft Office 97 Professional Edition (Top Tips)
Media: Video
Course Contents:
Total running time: 1 hour
Audience: All Users

Order Code
947-106

Price Each
MIXED QUANTITY PRICING

Order Code
323-5014

Price Each
MIXED QUANTITY PRICING

Title: PowerPoint 97
Producer: SOFTWAREVISION
Title: Microsoft PowerPoint 97
Media: Video
Course Contents:
Total running time: 2½ hours
Audience: Beginner–Intermediate

Order Code
947-990

Price Each
MIXED QUANTITY PRICING

Order Code
947-988

Price Each
MIXED QUANTITY PRICING

Subject: PERSONAL COMPUTERS
Title: PC Library (Release 2)
Producer: CDROM
Media: CDROM
Contents:
There are also over 50 interactive videos.
Minimum System requirements:
80386sx PC with CD-ROM drive, mouse, colour VGA monitor, 4 bit VGA adapter (16 colours), 4MB RAM, 4MB free hard space, MS-DOS 3.0 or later and Windows 3.1 or higher. Video and audio playback will not be smooth without these minimum requirements.
Audience: Beginner, Intermediate and Advanced

Order Code
605-808

Price Each
MIXED QUANTITY PRICING

Subject: PowerPoint
Title: PowerPoint 97 for Windows 95
Producer: SOFTWAREVISION
Media: Video
Course Contents:
Total running time: 3 hours
Audience: Beginner, Intermediate, Advanced

Order Code
947-888

Price Each
MIXED QUANTITY PRICING

Discoverware

DiscoverWare™ ET Training,
DiscoverWare™ is a range of multimedia training products for Windows based applications. These are professional products designed to provide a superbly effective user interface. They are complete corporate training courses that allow you to enter at a level where you choose. From beginner through to advanced. They have been designed by computer software training professionals to allow you to easily reach a level of competency that makes the most of your software programs.
System Requirements:
IBM 486 PC or compatible, 8MB RAM, Double-speed CD-ROM drive, 256 colour mode videocard, 8-Bit sound card and speakers or headphones, and Windows 3.x.

Order Code
946-497

Price Each
MIXED QUANTITY PRICING
Books & Technical Publications

Training – Electronics

UCANDO Electronics Videos

**MIXED QUANTITY PRICING**

PLEASE NOTE MIXED QUANTITY PRICING IS AVAILABLE ON THIS RANGE OF ‘UCANDO’ ELECTRONICS VIDEOS

Subject: DIGITAL ELECTRONICS
Title: Digital 1 - Gates Media: VIDEO
Contents: This video begins with the basics as you learn about seven of the most common gates which are used in almost every digital plus, plus Binary notation.
Total Running Time: 54 mins.

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Subject: DIGITAL ELECTRONICS
Title: Digital 2 - Flip Flops Media: VIDEO
Contents: Flip Flops will further enhance your knowledge of digital basics. You will learn about Octal and Hexadecimal notation groups, flip flops, counters etc.
Total Running Time: 55 mins.

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Subject: DIGITAL ELECTRONICS
Title: Digital 3 - Registers and Displays Media: VIDEO
Contents: This is your next step to obtaining a solid understanding of the basic circuits found in today's digital designs. Gets into multiplexers, registers, display devices etc.
Total Running Time: 54 mins.

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Subject: DIGITAL ELECTRONICS
Title: Digital 4 - DAC and ADC Media: VIDEO
Contents: This video shows you how the computer is able to communicate with the real world. You will learn about digital to analogue and analogue to digital converter circuits.
Total Running Time: 59 mins.

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Subject: DIGITAL ELECTRONICS
Title: Digital 5 - Memory Devices Media: VIDEO
Contents: An introduction to the technology used in many of today's memory devices. You will learn all about ROM devices and then proceed into PROM, EPROM, EEPROM, SRAM, DRAM and MBM devices.
Total Running Time: 56 mins.

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Subject: DIGITAL ELECTRONICS
Title: Digital 6 - The CPU Media: VIDEO
Contents: The CPU gives you a thorough understanding in the basics of the central processing unit and the input/output circuits used to make the system work.
Total Running Time: 56 mins.

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Subject: BASIC ELECTRONICS
Title: Part 1 - DC Circuits Media: VIDEO
Contents: This is your next step in understanding the basics of electronics. You will learn about how coils, transformers, capacitors etc. are used in common circuits.
Total Running Time: 62 mins.

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Subject: ELECTRONICS
Title: Part 2 - AC Circuits Media: VIDEO
Contents: This video guides you step-by-step through different sections of a power supply.
Total Running Time: 56 mins.

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Subject: ELECTRONICS
Title: Part 3 - Semiconductors Media: VIDEO
Contents: Part 3 gives you an exciting look into the world of semiconductor theory. Plus 15 different semiconductor devices explained.
Total Running Time: 57 mins.

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Subject: ELECTRONICS
Title: Part 4 - Power Supplies Media: VIDEO
Contents: This video shows you how amplifiers work as you have never seen them before. Class A, Class B, Class C, op. amps etc.
Total Running Time: 57 mins.

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Subject: ELECTRONICS
Title: Part 6 - Oscillators
Media: VIDEO
Contents:
Oscillators are found in both linear and digital circuits. This video gives you a good background in oscillator circuits.
Total Running Time: 54 mins.

Subject: FIBRE OPTICS
Title: Fibre Optics
Media: VIDEO
Contents:
From the fundamentals of fibre optic technology through cable manufacture to connectors, transmitters and receivers.
Total Running Time: 58 mins.

Subject: LASER TECHNOLOGY
Title: Laser Technology
Media: VIDEO
Contents:
A basic introduction covering some of the common uses of laser devices, plus the operation of the Ruby Red laser, HeNe laser, CO2 gas laser and semiconductor laser devices. Also covers the basics of CD and bar code scanning.
Total Running Time: 57 mins.

Subject: RADIO
Title: FM Radio - Part 1
Media: VIDEO
Contents:
FM basics including the functional blocks of a receiver. Plus r.f. amplifier, mixer oscillator, i.f. amplifier, limiter and fm decoder stages of a typical fm receiver.
Total Running Time: 58 mins.

Subject: RADIO
Title: FM Radio - Part 2
Media: VIDEO
Contents:
A continuation of f.m. technology from part 1. Begins with the detector stage output, proceeds to the 19kHz amplifier, frequency doubler, stereo demultiplexer and audio amplifier stages. Also covers RDS digital data encoding and decoding.
Total Running Time: 56 mins.

Subject: VCR MAINTENANCE
Title: VCR Maintenance
Media: VIDEO
Contents:
A step-by-step easy to follow procedure for professionally cleaning the tape path and replacing many of the belts in most VHS VCRs. The viewer will also become familiar with the various parts found in the tape path.
Total Running Time: 35 mins.

Subject: VCR REPAIR
Title: VCR Repair
Media: VIDEO
Contents:
This is an introduction to VCR repair aimed at non-beginners. Through the use of block diagrams this video will take you through the various circuits found in the NTSC VHS system. You will follow the signal from input to audio/video heads then from the heads back to the output.
Total Running Time: 84 mins.

Digital Electronics, Electronics & Components & The Parts Gallery

Electronic Circuits and Components & The Parts Gallery

Electronics CDROM’s ideal for student use, covering large sections of syllabuses and easily integrated into schemes of work. Both CDs are single user licensed and include:
- Hundreds of circuit symbols
- Virtual laboratories and on-screen quizzes
- Full audio commentary
- Keyword search/index
- Editable assignments

Digital Electronics
Builds on the knowledge of logic gates covered in Electronic Circuits and Components, and takes users through the subject of digital electronics up to the operation and architecture of microprocessors. The virtual laboratories allow the users to operate many circuits on screen.

Electronic Circuits and Components & The Parts Gallery
Two applications on the CDROM provides an introduction to principles and application of the most common types of electronic components and shows how they are used to form complete circuits. The virtual laboratories, worked examples and pre-designed circuits allow you to learn, experiment and check understanding as you proceed through the sections of the CDROM. The Electronic & Components section of the CD is split into five sections: Fundamentals, Combination Logic, Sequential Logic, Digital Systems and Gallery

Major International Brands
All the leading brand names from over 1,000 major international manufacturers.
Training – Business Solutions

Financial Solutions

• Save time and effort
• Link budgets and cash flow

Investment Appraisal for Non-Financial Managers

• Evaluate the costs and benefits of projects
• Sell your projects internally

Budgeting for Non-Financial Managers

• Prepare and present your budgets with confidence
• Develop realistic contingency plans

Accounts De-Mystified

• Presents the facts in an easy to understand manner
• The essential guide

Cross Reference and Selection Guides

The 200 Ic Master and IC Master CD ROM for Windows

2000 Ic Master

• Functional and numerical guide to 116,000+ ICs from 375 manufacturers world-wide
• 10,000 new ICs
• Product data organised in ten ‘Master Selection Guides’ with hundreds of manufacturer supplied ‘supplemental data pages’
• The industry-wide ‘Alternative Source Directory’ lists over 193,000 pin-for-pin equivalents for both current and discontinued ICs

• Including pinout diagram and packaging styles for 110,000 devices only in the CD-ROM
• Includes a complete ‘Manufacturers and Distributors Directory’
• It is organised for easy access with ICs listed by manufacturer and by function category in ten ‘Master Selection Guides’:
  - Digital
  - MPU Development Systems
  - Chip Sets and MultiFunction Devices
  - Digital Signal Processing
  - Memory
  - Interface
  - Microprocessor
  - Linear
  - ASIC/Custom
  - Programmable Logic Devices

The 2000 IC Master CDROM For Windows

• Online to the Internet for quick access to updates. Links in directly to manufacturer’s web-site and actual datasheets
• 170,000+ current and discontinued ICs including 10,000 new device listings
• Includes pinout and package for over 110,000 devices in the CD-ROM, hundreds of supplied supplemental data pages, the IC Master Alternative Source Directory, and the complete IC Master Manufacturers and Distributors Directory
• True parametric search: (New Faster Search Engine)
  - Allows users to search on only the specifications required
  - Search results can be sorted on multiple parameters
  - A powerful compare function allows a side-by-side comparison of devices selected
  - Allows users to search on package styles
  - A true parametric search capability with all the advantages of on-line access to the most current database

ALABEL©

ALABEL, the new CD-ROM data disk for more than 10 million electronic components from 1,000 international manufacturers. ALABEL means ALL About Electronics because on this CD the R&D engineers, the purchasing and sales people will find all they need. The data is grouped in four sections:
• Integrated circuits – 50,953 ICs/303 manufacturers/2,316 distributors
• Discrete and optos – 33,395 parts/75 manufacturers/1,044 distributors
• Electromechanical – 44,479 groups/110 manufacturers/1,295 distributors
• Passive components – 18,321 groups/286 manufacturers/1,483 distributors

• Search functions and parameters by manufacturer type, components function, key-parameter, functional description one word, replacement and family types, search-word combinations, package and case type
• Multi language screen (English, French, German)
• Simultaneous opening of different screens
• Search functions across all sections
• Internet connection with more access to manufacturers information

System requirements: 486DX/50, CD-ROM 6x, SVGA graphics, mouse, 16MB RAM, 10MB free hard disk space, Windows 3.x, Windows 95, Windows NT.

Omnicon Whow CD ROM

The Omron KNOWhow CD comprises of a full library of Omron product with complete technical data sheets, user manuals and an initial set of application guides, training modules and product selectors – all of these libraries accessed via a unique expertise interfacing layer.

• ALL OMRON PRODUCTS stocked by Farnell show the order code alongside the Omron part number.
• OMRON PRODUCTS not stocked by Farnell are available through Farnell Access, giving a wider product range.

Towers International Transistor Selector

Latest 5th update of this popular selector guide contains over 30,000 bipolar transistors, IGBTs and surface mount devices from worldwide sources. The guide includes electrical and mechanical specifications for all devices, plus a unique surface mount cross index, and an improved standardised format, whilst retaining its established easy-to-use layout. 5th Edition

Order Code 312-3870

Price Each 5

Order Code 171-511

Price Each 1+
Towers International MOSPower and Other FET Selectors

A selector guide, containing data on electrical and mechanical specifications, manufacturers and available substitutes on over 9600 American, British, European and Japanese high and low power field-effect transistors, including over 3000 new entries.

The Semicon International Indexes

- A comprehensive 3 Volume reference set
- Introductions and definitions are also in German and French

Volume 1, Transistors (edition 25)
Approximately 37,500 bipolar, FET, IGBT, unijunction and surface mount transistors. 450 pin out diagrams, with ratings and characteristics, a comprehensive cross reference and detailed information on 400+ manufacturers. The surface mount section includes a leaded transistor conversion guide and package markings. CV and BS devices listed. New package diagrams.

Volume 2, Diodes and Thyristors (edition 18)
The same format as volume 1, covering 41,500 diodes, bridge rectifiers, thyristors, triacs and surface mount devices from 400+ manufacturers, and 278 line diagrams.

Volume 3, Integrated Circuits (edition 17)
Over 25,000 IC's including optocouplers from 800 manufacturers. The index includes device description, package and pin outlines, manufacturer, process, case material and operating temperature. Also includes a useful substitution guide, 564 line diagrams and 195 tables.

The Electrician's Pocket Guide

JOHN E. TRAISTER

- A quick and easy reference for any electrical job
- Pocket size for convenience
- Filled with the most used tables and charts
- Covers Codes, Standards, Print Reading Essentials, OSHA and Electrical Safety, Tools, Electrical Materials, Equipment and Installation Procedures
- At a glance solutions to many common electrical problems

McGraw-Hill Encyclopedia & Troubleshooting Guide

This one step reference combines the traditional circuit "cookbook" with state of the art troubleshooting techniques, enabling you to build, test and customise a wealth of useful circuit types. Learn to apply over 600 circuits commonly used in all areas of electronics. Discover how these circuits operate and where they fit into various electronic equipment. Get practical guidance on testing and debugging routines that allow you to easily integrate circuits into your existing systems, also access full details on component values.

The Master IC Cookbook

DELTON T. HORN

- Ideal for the novice, mid-level electronics technician, or even the hobbyist. You will discover a wealth of IC data in this easy to use book.
- Includes the latest technical information on the most popular types of integrated circuits (IC's).
- The focus of this book is on the ICs themselves rather than circuits for which they are used and includes updated material on 74xx, 40xx, digital, memories and computer peripherals, op amps, comparators, audio amps, oscillators and signal generators, RF and video devices, voltage regulators, digital/analogic crossovers and other linear devices.
- The material is arranged by area of application, then listed alphabetically within each section by IC industry standard number.

Bigelow's PC Technician's Troubleshooting Pocket Reference

STEPHEN J. BIGELOW

- Quickly diagnose PC repair and maintenance problems with suggested cost-effective solutions
- Packed with essential code tables, commands, symptom summaries, and other frequently needed information
- Easy-to-use format to help you diagnose problems on the job in every major area of the PC
- The full coverage of troubleshooting, reference information and tables has only a minimum of supporting text
- Hard to find DOS reference notes with essential commands and system configuration
- Moderns, motherboard, video, drive, input device, and peripheral troubleshooting guidelines
### TAB Encyclopaedia of Electronics for Technicians and Hobbyists

**STAN GIBILISCO**

- Covers virtually every aspect of hobby and consumer electronics, in an easily understandable language, whilst offering the right amount of detail, an abundance of illustrations and real world examples.
- Articles are arranged alphabetically by topic. To deliver deeper into a particular subject, extensive cross references point you to other related entries.
- Whether you choose a home security system, fixing telephones, polishing up your technical writing skills, obtaining your ham radio licence, training for a career and just fiddling for fun, you will find it in this book.

**Order Code** 946-874

**Price Each** 1+ 3+

### TV & Video Engineer's Reference Book

**JACKSON & TOWNSEND**

- Written by international experts
- Ideal for practising engineers and managers working in the broadcast, cable and satellite services and television equipment industries.
- The format of this book also makes it an excellent reference for students.
- Starts with basic reference material and fundamentals of electronic circuit design and provides detailed coverage of all the main components in the broadcasting chain, i.e. transmission, distribution, DBS, TV studios and equipment, sound, TV receivers and video recorders.

**Order Code** 182-916

**Price Each** 1+ 3+

### Newnes Electronic Pocket Reference Books

**Title**
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The Complete Reference Office 2000

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The CD features more than 100 samples documents, 50 templates and 10 shareware utilities.

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Using real life scenarios, designers can learn practical, time-saving ways to avoid and repair potentially costly problems. The book addresses hardware and software issues and advises on what common tools can be used to help identify and repair bugs.

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- A clear, concise text supported by numerous diagrams, examples and problems appears in a new larger paper size with an accessible, student-friendly layout

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Selection and Use of Engineering Materials
JA Charles/FAA Crane/JGA Furness
- Core subject area for all Engineering and Materials degrees
- Aims to provide an understanding of the basic principles of materials selection as practised in engineering manufacture and design
- Has an overview of established materials usage placing emphasis on identifying service requirements rather than listing materials and describing applications
- Fully revised and now includes coverage of new materials in engineering, materials for bearing and tribological usage, and the use of materials in civil engineering structures

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## Materials & Structures — continued

### Mechanics of Materials
**SI Edition**

- This text is designed as a first course in the mechanics of materials and is offered to engineering students in their first year.
- Free body diagrams are used exclusively throughout the text.
- Each chapter has a summary and review section which include sample problems of which at least are designed to be solved with the aid of a computer.
- **SELECTED CONTENTS**: Forces and Stresses, Elasticity/Plasticity of materials, Forces of Torsion, Bending, and Loading of materials.

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### Engineering Materials
**RL Timings**

- Provides a highly practical introduction to the basic science of materials technology.
- Forms an ideal ideal introduction to the subject for first year degree courses and is updated to reflect the requirements of the advanced GNVQ and BTEC NC/D Engineering specifications.
- Text now includes more student orientated features like, chapter summaries, self-assessment tasks, and end-of-chapter exercises.

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### Materials Science & Selection
**SHACKLEFORD, ALEXANDER & PARK**

- The source of data on engineering materials.
- Materials Selection.
- Directory of key professional societies, educational institutions and employment opportunities.
- Selection by value' presentation to help users select and evaluate materials.
- Easy-to-follow organisation.

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### Smithells Metals Reference Book
**BRANDES & BROOK**

- The only single volume with all the data for those practising metallurgy.
- Complete information for industrial and theoretical metallurgists.
- All chapters thoroughly revised since the last edition.
- **SELECTED CONTENTS**: General physical and chemical constants; x-ray analysis of metallic materials; crystallography; crystal chemistry; metallurgy; gas-metal systems; diffusion in metals; general physical properties; temperature measurement and thermo-electric properties; radiating properties of metals; electrical properties; magnetic materials and their properties; mechanical testing; mechanical properties of metals and alloys; sintered materials; lubricants; friction and wear; casting alloys and foundry data; engineering ceramics and refractory materials; fuels; heat treatment; electropolishing and metal finishing; welding; soldering and brazing; vapour-deposited coatings; superplasticity.

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### Stress, Strain & Structural Matrices
**PILKEY**

- A succinct source on the strength of materials formulae.
- Eases analysis and provides new opportunities for design and structural engineers.
- Key material not found in other books.
- Powerful tool in the tables of structural matrices.
- **SELECTION CONTENTS**: Stress and strain; experimental stress analysis; stress concentration; joints; contact stresses; beams and columns; frames; curved bars; rotors; thick shells and disks; thin shells.

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### Security
**Intruder Alarms**
**GERARD HONEY**

- Covers the basics of intruder alarm systems and is the only book written for syllabus for Security NVQ.
- Each chapter contains summaries and self-tests designed to help the student to understand and gain knowledge easily.
- Publication has been helped by the Security Industry Training Organisation (SITO), who design courses and organise training for security installers and professionals.

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Electronic Protection & Security Systems
Gerard Honey
- Essential reading for all security system installers
- Provides a concise guide to the selection, design and installation of a wide range of security and electronic protection systems
- This, the second edition, has been updated to include the latest technology in ID, communication equipment, fire alarm wiring techniques, and much more
- The broad sweep of content will benefit both the professional seeking a refresher and the SITO NVQ student

Domestic Security Systems
A L Brown
- Essential reading for all security system installers
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- This, the second edition, has been updated to include the latest technology in ID, communication equipment, fire alarm wiring techniques, and much more
- The broad sweep of content will benefit both the professional seeking a refresher and the SITO NVQ student

Electronic Security Systems
Philip Walker
- This book shows you how, with common sense and basic do-it-yourself skills, you can protect your home
- Every circuit is clearly described and illustrated. Working systems are shown in operation and include sensors, detectors, alarms, controls, lights, video and door entry systems
- The author, who is an alarm installer, includes chapters on installation, testing and maintenance, and upgrading

Home Security
Vivian Capel
- A down to earth practical guide which spells out simple steps for you to take to guard your home
- Shows how burglars work and how to thwart them and avoid costly and upsetting break-ins
- As well as describing the bewildering range of security devices this handy volume explains the pros and cons of alarm systems

Vehicle Security Systems
- Provides all the information and designs needed for comprehensive protection of the automobile
- Every circuit is clearly described and illustrated and advice and guidance are based on real experience
- From systems as simple as a warning beacon and basic alarms through to sophisticated detection systems full construction, installation and fault diagnosis details are included

The Complete Book of Locks and Locksmithing
Bill Philips
- Probably the leading reference in its field
- Significantly expanded and updated to reflect advances in the industry
- This practical reference addresses every type of lock and system available today
- Contains exploded and cutaway views and uses photographs to aid step-by-step repair and installation

Selected Contents: The latest information on all types of locks and keys including, electromagnetic, padlock, warded, lever, disc tumbler, schlage wafer-tumbler, pin tumbler, cylinder, double-bitted and combination. Vending machine locks, High security locks and hardware. Master keying, lock picking and emergency entry tools and procedures. Manufacturers and aftermarket automotive systems. How to start and run a locksmithing business.

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