

#### KEY BENEFITS

- Comprehensive motor protection plus voltage dependant overload curves, tarque matering and protection, broken rotor bar protection.
- Most advanced them at model including multiple RTD inputs for stator them alprotection
- Minimize replacement time Draw-out construction
- Complete asset monitoring Temperature, Analog UC, full metering including demand & energy
- Improve uptime of auxiliary equipment Throught/O monitoring

 Reduce troubleshooting time and maintenance costs -Event reports, waveform capture, data logger

and large motors

- Built in simulation functions simplify testing and commissioning
- Cost Effective Access to information Through standard RS232 & RS485 senal ports, and optional Ethernet and DeviceNet Forts
- Field upgradable firm ware and settings.
- Optional Conformal coating for exposure to chemically corresive or humid environments

#### APPLICATIONS

 Protection and Management of three phase medium and large horsepower motors and driven equipment, including high inertia, two speed and reduced-voltage start motors.

#### **FEATURES**

#### Protection and Control

- Thermal model biased with RTD and negative sequence current feedback
- Start supervision and inhibit
- Medianical jam.
- Voltage compensated acceleration
- Undervoltage, overvoltage
- Underfrequency
- Stator differential protection.
- Thermal everload.
- Overtemperature protection
- Phase and ground overcurrent
- Currient unbolonce.
- Power elements.
- Tionque protection
- Dual overload curves for 2 speed motors
- Reduced voltage starting control

#### Communications

- Multiple Ports 10baseT Bihernet, RS485, RS232, RS422, DeviceNat
- Multiple Protocols Modbus RTU, Modbus TCP/IP, DeviceNet

#### Monitoring and Metering

- A, V, W, var, VA, PF, H2, Wh, varh, dem and
- Torque, temperature (12 RTDs)
- Event recorder.
- Osollography & Data Logger trending
- Statistical information & learned motor data

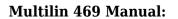
#### EnerVistor= Softwore

- State of the art software for configuration and commissioning GE Multilin products
- Document and software archiving toolset to ensure reference material and device utilities are up-to-date
- Emerivistal\*\* integration providing easy integration of data in the 469 into new or sessing monitoring and control systems.



# **Multilin 469 Manual**

L Darling-Hammond



#### Multilin 469 Manual Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has be much more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Multilin 469 Manual**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we shall delve in to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

https://staging.conocer.cide.edu/book/book-search/Documents/Kanekoa%20Texeira%20Scouting%20Report.pdf

#### **Table of Contents Multilin 469 Manual**

- 1. Understanding the eBook Multilin 469 Manual
  - The Rise of Digital Reading Multilin 469 Manual
  - Advantages of eBooks Over Traditional Books
- 2. Identifying Multilin 469 Manual
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Multilin 469 Manual
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Multilin 469 Manual
  - Personalized Recommendations
  - Multilin 469 Manual User Reviews and Ratings
  - Multilin 469 Manual and Bestseller Lists

- 5. Accessing Multilin 469 Manual Free and Paid eBooks
  - Multilin 469 Manual Public Domain eBooks
  - Multilin 469 Manual eBook Subscription Services
  - Multilin 469 Manual Budget-Friendly Options
- 6. Navigating Multilin 469 Manual eBook Formats
  - o ePub, PDF, MOBI, and More
  - Multilin 469 Manual Compatibility with Devices
  - Multilin 469 Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Multilin 469 Manual
  - Highlighting and Note-Taking Multilin 469 Manual
  - Interactive Elements Multilin 469 Manual
- 8. Staying Engaged with Multilin 469 Manual
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Multilin 469 Manual
- 9. Balancing eBooks and Physical Books Multilin 469 Manual
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Multilin 469 Manual
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Multilin 469 Manual
  - Setting Reading Goals Multilin 469 Manual
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Multilin 469 Manual
  - Fact-Checking eBook Content of Multilin 469 Manual
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks
- 14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

#### **Multilin 469 Manual Introduction**

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Multilin 469 Manual free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Multilin 469 Manual free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Multilin 469 Manual free PDF files is convenient, its important to

note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but its essential to be cautious and verify the authenticity of the source before downloading Multilin 469 Manual. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Multilin 469 Manual any PDF files. With these platforms, the world of PDF downloads is just a click away.

#### **FAOs About Multilin 469 Manual Books**

What is a Multilin 469 Manual PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. How do I create a Multilin 469 Manual PDF? There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. How do I edit a Multilin 469 Manual PDF? Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. How do I convert a Multilin 469 Manual PDF to another file format? There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. How do I password-protect a Multilin 469 Manual PDF? Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or

various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

#### Find Multilin 469 Manual:

kanekoa texeira scouting report kasea skyhawk 90 quad manual kanga trencher manual

kariera nikodema dyzmy polish edition english edition k12 world history semester test kawasaki 14hp fc420v manual

kaeser sfc 110 manual

kaplan act practice test 4 answers

kaeser air compressor service

jvc ths3 manual

karcher gc 190 manual

kabota bx24 owners manual

kawasaki 1000 police manual

jxd engine service manual

kashmeer tome la danse de kali

#### Multilin 469 Manual:

excel default date setting from calendar to fiscal date - Oct 26 2021

year 2015 calendar united states timeanddate com - Sep 24 2021

excel formula get fiscal year from date got it ai - May 01 2022

## 2015 calendar excel download 16 free printable - Aug 16 2023

web download pre built excel calendar templates stay organized with a variety of excel calendar layouts and templates you can easily adapt to your needs

fy 2015 year end calendar excel version university of colorado - Nov 26 2021

#### excel calendar 2015 uk 16 free printable templates - Jun 14 2023

web choose file options and then select schedule in the fiscal year starts in box select the month with which you want the fiscal year to start if you want to label the fiscal year by using the calendar year in which that fiscal year begins rather than the calendar year in which it ends select the use starting year for fy numbering check box

how to convert a date into fiscal year excelnotes - Dec 28 2021

#### how to get the fiscal year from a date in excel - Apr 12 2023

web jan 24 2017 free for you to download is this simple 2015 excel calendar template in an intuitive excel spreadsheet format download this calendar template to your computer print it out put it up on your wall and scribble all over it create a calendar by using a template microsoft - Sep 05 2022

web year a2 2 fiscal year is the calendar year in which it ends e g 2018 if the fiscal year starts a month from february to december the identification of a fiscal year is the calendar year in which it ends the fiscal year that begins on 1 october 2014 and ends on 30 september 2015 will be 2015 fiscal year please copy the formula below

## excel financial year formula computer tutoring - Oct 06 2022

web how this formula works to find the fiscal years from the dates in the range b3 b5 and starting fiscal months are in cells c3 c5 please use below formula year b3 month b3 c3 press enter key to get the first result then drag auto fill handle down to cell d5

# get fiscal year from date excel formula exceljet - Jan 09 2023

web the fiscal year may vary among different countries and organizations this step by step tutorial will assist all levels of excel users in getting the fiscal year from a given date figure 1 final result get fiscal year from date final formula year b6 month b6 e 3 syntax of year function

excel dates how much of a period falls in a financial year - Jun 02 2022

web calendar generator create a calendar for any year monthly calendar shows only 1 month at a time custom calendar make advanced customized calendars printable calendar pdf calendars especially made for printing date calculators duration between two dates calculates number of days date calculator add or subtract

#### financial calendars 2015 16 uk in microsoft excel format - Mar 11 2023

web oct 1 2014 fiscal calendars 2015 in other file formats word excel pdf financial calendars 2015 16 for the united kingdom running from april 2015 to april 2016 13 months other multi year calendars for 2014 15 split year calendars 2014 15 july 2014 to june 2015 school calendars 2014 15 august 2014 to july 2015 academic calendars excel formula get fiscal year from date extendoffice - Jan 29 2022

academic financial year planner for excel office watch - Mar 31 2022

fiscal calendars 2015 free printable word templates - Aug 04 2022

web this version microsoft excel is the traditional comprehensive calendar if you would prefer to select the department for example psc or employee services whose processing dates and information are of greatest interest to you then see our google calendar version coming soon download the excel version below

# fiscal calendars 2015 free printable excel templates - Jul 15 2023

web the calendars are 13 months long running from april 1st 2015 to april 30th 2016 to cover the period used for corporation tax and government financial statements april to march and also the personal tax year which starts on free excel calendar template yearly monthly 2015 2016 - Nov 07 2022

web dec 6 2015 i m working with excel i have a calendar date fiscal year fiscal month fiscal quarter i need to calculate the day of fiscal year starts on april 1st and ends on march 31st how can i calculate the day of fiscal year how to calculate a fiscal day of year in excel stack overflow - Feb 27 2022

#### set the month a fiscal year starts with microsoft support - Feb 10 2023

web mar 1 2014 i need a way to determine how much of a given period start and end dates held in separate columns falls within a financial year 1 7 xxxx 30 6 xxxx if i could determine the number of days in that period that falls in the financial year it ll be a lifesaver

free 2015 excel calendar blank and printable calendar xls - Dec 08 2022

web jan 13 2020 the worksheet should work in all modern excels excel 365 for windows and mac excel app for android excel app for apple ipad iphone and excel online the browser based version of excel how the financial academic year planner works this calendar is essentially the same as the calendar year planner also available as a

excel calendar templates microsoft support - May 13 2023

web 14 rows 2015 calendar in excel xls format free 2015 excel calendars templates calendars are blank and printable with

print range pre set calendar files are now in the new safer xlsx macro free format they are ideal for use as a excel fiscal year calculations contextures excel tips - Jul 03 2022

web mar 23 2014 our fiscal year 2014 is may 1 2013 through april 30 2014 the list can be sorted correctly via a custom list however if i filter for all fiscal periods prior to july 1 2015 excel does not recognize that january through april are actually after july 1 and should be excluded it seems to want to apply the filter based on calendar dates database systems design implementation management carlos coronel - Apr 11 2023

web find all the study resources for database systems design implementation management by carlos coronel steven morris we have 146 summaries and 5 courses related to this book on our website

database systems 14th edition design implementation - Dec 27 2021

web dec 15 2022 booktopia has database systems 14th edition design implementation management by carlos coronel buy a discounted paperback of database systems online from australia s leading online bookstore

database systems design implementation and management - Jun  $01\ 2022$ 

web dec 20 2007 peter rob carlos coronel cengage learning dec 20 2007 computers 704 pages database systems design implementation and management eighth edition a market leader for database texts gives readers a solid foundation in practical database design and implementation

# database systems design implementation management goodreads - Jul 02 2022

web jan 1 2018 carlos m coronel 3 56 450 easy to understand approach in the market leading database systems design implementation and management 13e diagrams illustrations and tables clarify in depth coverage of database design we used the 13th edition in my graduate class and this was hands down the best textbook we

# database systems design implementation and management 9th edition - Jun 13 2023

web database management systems dbmss are a ubiquitous and critical component of modern computing and the result of decades of research and development in both academia and industry historically dbmss were among the earliest multiuser server systems to be developed and thus pioneered many systems design techniques for

#### database systems design implementation and management - Apr 30 2022

web you are only a by coronel carlos morris steven rob peter 9781285196145 database systems design abebooks com database systems design implementation management 9781285196145 by coronel carlos morris steven and a great selection of similar new used and walmart database systems design implementation shop

#### solutions to coronel 9th edition database system - Mar 30 2022

web may 28 2023 solutions to coronel 9th edition database system is available in our pdf assemblage an online access to it is set as public so you can get it swiftly if you want to funny fiction lots of literature legend gags and more fictions collections

are also launched from best seller to one of the most present published

# database systems design implementation and management carlos - Jul 14 2023

web nov 20 2009 carlos coronel steven morris peter rob cengage learning nov 20 2009 computers 700 pages database systems design implementation and management ninth edition a market leader

# free solutions for database systems design implementation and - Aug 15 2023

web find step by step solutions and answers to database systems design implementation and management 9780538748841 as well as thousands of textbooks so you can move forward with confidence

## database systems design implementation management 13th edition - Mar 10 2023

web textbook solutions for database systems design implementation management 13th edition carlos coronel and others in this series view step by step homework solutions for your homework ask our subject experts for help answering any of your homework questions

download database systems design implementation and - Sep 04 2022

web database systems design implementation and management ninth edition carlos coronel steven morris and peter rob vice president of editorial

#### database systems design implementation and management 9th edition - May 12 2023

web database systems design implementation and management 9th edition pdf database systems design implementation and management 9th edition pdf sign in

database systems carlos coronel ninth edition solutions - Jan 28 2022

web jan 13 2023 4731149 database systems carlos coronel ninth edition solutions 1 3 downloaded from tools lalique com on by guest merely said the database systems carlos coronel ninth edition solutions is universally compatible considering any devices to read neuronale netze selbst programmieren tariq rashid 2017 05 24

#### database systems design implementation and management - Jan 08 2023

web jan 1 2012 practical and easy to understand database systems design implementation and management tenth edition gives students a solid foundation in database design and implementation filled with visual aids such as diagrams illustrations and tables this market leading text provides in depth coverage of database

solution manual for database systems 13th edition carlos coronel - Nov 06 2022

web book4me solution manual database systems coronel morris chapter 1 database systems discussion focus how often have your students heard that you have only one chance to make a good first impression that s why it s so important to sell the importance of databases and the desirability of good database design during the first class

database systems design implementation management carlos coronel - Dec 07 2022

web jan 1 2018 gain a solid foundation in database design and implementation using the practical easy to understand approach in database systems design implementation and management 13e this market leading resource provides in depth coverage of database design balancing theory and practice with supporting visuals

## database systems design implementation and management - Feb 09 2023

web jan 1 2012 amazon com database systems design implementation and management with premium website printed access card and essential textbook resources printed access card 9781111969608 coronel carlos morris steven rob peter books

loading interface goodreads - Oct 05 2022

web discover and share books you love on goodreads

# database systems design implementation and management carlos coronel - Feb 26 2022

web m 08 00 10 00 csb210 database concepts database management system dbms the database development process carlos coronel peter rob and stephen morris database principles fundamentals of thomas m c and carolyn e b database systems a practical approach to design implementation and

## database system design implementation and management 12th edition - Aug 03 2022

web mar 25 2019 database system design implementation and management 12th edition by carlos coronel steven morris carlos coronel steven morris free download borrow and streaming internet archive amazon fr la trilogie berlinoise tome 1 boisserie pierre - Jan 17 2023

web jan 1 1993 4 21 10 488 ratings719 reviews l'été de cristal se situe en 1936 alors que l'on nettoie berlin en prévision des j o bernie gunther ancien membre de la kripo devenu

#### la trilogie berlinoise philip kerr babelio - Jul 23 2023

web dec 1 2021 pierre boisserie philip kerr la trilogie berlinoise bd tome 1 sur 1 françois warzala autre gilles berton traducteur ean 9791037504678 129 pages les arènes

la trilogie berlinoise tome 1 la trilogie berlinoise tome 1 - May 21 2023

web publiés pour la première fois entre 1989 et 1991 l eté de cristal la pâle figure et un requiem allemand ont pour toile de fond le iiie reich à son apogée et après la défaite

la trilogie berlinoise cc kerr philip amazon fr livres - Nov 03 2021

#### trilogie berlinoise philip kerr google books - Jun 10 2022

web la trilogie berlinoise l'Été de cristal lire un extrait acheter découvrez l'adaptation en bd du chef d'œuvre de philip kerr l'Été de cristal premier volet de la trilogie berlinoise

trilogie berlinoise hachette fr - Feb 06 2022

web publiés pour la première fois entre 1989 et 1991 l eté de cristal la pâle figure et un requiem allemand ont pour toile de fond le iiie reich à son apogée et après la défaite

# la trilogie berlinoise tome 1 l été de cristal bd babelio - Jun 22 2023

web nov 18 2021 durant son enquête bernie gunther va être confronté à la gestapo à göring à des policiers véreux et à la pègre berlinoise l Été de cristal premier volet

## la trilogie berlinoise tome 1 hardcover nov 18 2021 - Sep 13 2022

web nov 5 2008 un requiem allemand le plus noir des trois commence en 1947 dans berlin en ruine et divisé en secteurs d occupation la trilogie berlinoise tout en respectant

la trilogie berlinoise trilogie berlinoise philip kerr - Nov 15 2022

web jan 13 2010 publiés pour la première fois entre 1989 et 1991 l eté de cristal la pâle figure et un requiem allemand ont pour toile de fond le iiie reich à son apogée et

la trilogie berlinoise pierre boisserie françois warzala les - Mar 07 2022

web jun 25 2022 la trilogie berlinoise est une série de trois romans policiers de l'écrivain philippe kerr devenus cultes publiés entre 1993 et 1995

la trilogie berlinoise de boisserie et warzala un - Feb 18 2023

web jan 13 2010 publiés pour la première fois entre 1989 et 1991 l eté de cristal la pâle figure et un requiem allemand ont pour toile de fond le iiie reich à son apogée et

la trilogie berlinoise by philip kerr goodreads - Oct 14 2022

web publiés pour la première fois dans les années 1989 1991 l'été de cristal la pâle figure et un requiem allemand évoquent l'ambiance du ille reich en 1936 et 1938 et ses

amazon fr la trilogie berlinoise philipp kerr livres - Apr 20 2023

web jan 13 2010 désabusé et courageux perspicace et insolent bernie est à l allemagne nazie ce que philip marlowe est à la californie de la fin des années 1930 un homme

la trilogie berlinoise tome 1 l été de cristal de philipe kerr - Dec 04 2021

#### la trilogie berlinoise wikipédia - Aug 24 2023

web jan 13 2010 la trilogie berlinoise est composée de trois romans que l on peut qualifier à la fois de policiers et d historiques l été de cristal la pâle figure un requiem allemand trilogie berlinoise la Édition canada pocket book - May 09 2022

web nov 5 2008 un requiem allemand le plus noir des trois commence en 1947 dans berlin en ruine et divisé en secteurs d occupation la trilogie berlinoise tout en respectant

la trilogie berlinoise l eté de cristal decitre - Apr 08 2022

web dec 12 2021 la trilogie berlinoise un chef d œuvre de philip kerr les trois romans de la trilogie berlinoise ont été les premiers écrits par le romancier écossais philip kerr

la trilogie berlinoise la trilogie berlinoise fnac - Mar 19 2023

web durant son enquête bernie gunther va être confronté à la gestapo à göring à des policiers véreux et à la pègre berlinoise l'Été de cristal premier volet de la trilogie

la trilogie berlinoise hachette fr - Aug 12 2022

web apr 8 2010 publiés pour la première fois entre 1989 et 1991 l eté de cristal la pâle figure et un requiem allemand ont pour toile de fond le iiie reich à son apogée et

#### la trilogie berlinoise livres bd ebooks fnac - Dec 16 2022

web l eté de cristal premier volet de la trilogie berlinoise dresse un tableau réaliste et terrifiant du quotidien des allemands sous le iiie reich sardonique solitaire

# philip kerr la trilogie berlinoise librairie renaud bray - Jul 11 2022

web jan 13 2010 publiés pour la première fois entre 1989 et 1991 l eté de cristal la pâle figure et un requiem allemand ont pour toile de fond le iiie reich à son apogée et

la trilogie berlinoise comixtrip - Jan 05 2022