



# Building Automation Systems A To Z: How To Survive In A World Full Of Bas

By Phil Zito



## Building Automation Systems A To Z: How To Survive In A World Full Of Bas By Phil Zito

Building Automation Systems A to Z. Teaches you everything you need to know to work on or with building automation systems. Written in a conversational style, the author shares his extensive experience with building automation systems. The book covers a broad list of topics and is designed to be your go-to manual for building automation questions. This reference guide consists of 16 chapters jam-packed with knowledge!

- Chapter 1: HVAC Fundamentals
- Chapter 2: Intro to BAS
- Chapter 3: Smart Building Systems
- Chapter 4: Intro to Information Technology
- Chapter 5: Electrical Fundamentals
- Chapter 6: Standards and Organizations
- Chapter 7: Procurement
- Chapter 8: The Construction Process
- Chapter 9: Upgrading the BAS
- Chapter 10: Managing a BAS
- Chapter 11: Managing Service Providers
- Chapter 12: Advanced Maintenance Management
- Chapter 13: Analytics
- Chapter 14: The Internet of Things
- Chapter 15: Systems Integration
- Chapter 16: Next Steps

Not only do you get all of this great knowledge but the book also includes a website where the author regularly adds checklists and other content for the books readers. So if you are ready to take your knowledge of building automation systems to the next level, then purchase Building Automation Systems A to Z.

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### Editorial Review

#### Review

*Building Automation Systems A to Z, provides an entertaining and informative overview of a BAS. This book is structured in a way that a person at any skill level can easily navigate to the section and information they need.*

*Phil's teaching style is straight forward and easy to understand; his book provides a solid foundation and is an excellent resource for anyone in the industry. The training that Phil Zito provides in this book and on his website goes a long way to fill the training void that currently exists in the building automation community.*

*-Dave Richardson, Service Technician*

*Building Automation System A to Z is exactly what I was hoping it would be, a solid introduction to the fundamentals of BAS.*

*I come from a mechanical engineering and, to a lesser extent, IT background. I am highly interested in BAS, but had no idea where to start my learning venture.*

*Phil Zito's book proved to be exactly what I was looking for. It provides a solid foundation of what BAS is and its components. He then further introduces you to electrical and IT fundamentals, BAS maintenance, procurement, upgrading, BAS management, system integration and even analytics.*

*After reading his book, I feel much more confident in any situation wherein I may need to know some fundamental BAS concepts (such as an interview).*

*If you need a solid jumping off point or just need to expand you current base knowledge of building automation systems, I highly recommend you read this book.*

*-Jeff Wrigley, IT Systems Administrator*

*Phil Zito has fully captured the building automation systems business and its place in the building construction industry in his new book Building Automation Systems A to Z.*

*From pneumatic controls to the emerging technologies of IoT and cloud computing, Building Automation Systems A to Z covers all aspect of our industry.*

*This is an excellent primer if you're new building automation and controls. And a wonderful reminder for experienced individuals on what a complex and technology-focused industry we work in.*

*-Kevin Callahan, Product Owner & Evangelist, Alerton Dealer Business*

*As a primer, Phil Zito's "Building Automation A to Z" offers a thorough introduction to BAS systems which are complex, difficult to install, maintain, and upgrade with many moving parts.*

*The book offers a sweeping overview of the main concepts that would interest a building owner seeking a tighter, money-saving operation or someone thinking about a career as a building controls technician or contractor.*

*Phil shares insights, knowledge, terminology, and concepts in easy-going writing style including subjects which are presented with an attitude of "you can do this!"*

*The author is very dedicated (and it shows!) to passing on years of practical tips to streamline and standardized experience-tested methods which, if adopted, can lead to saving time and preventing expensive downtime.*

*This book spans a great variety of topics like: purchasing, maintaining, and updating BAS systems with industry observations which are unique and rarely shared in printed form.*

*Here too, you will find several chapters that focus on: system components; a structured approach to installed systems; upgrading existing systems; an overview of building design, construction and commissioning; IT (information technology) concepts; the buzz surrounding IoT; and career guidance all within its 3xx pages.*

*This useful book is part of a large multi-media project: teaching the intricacies of building automation. the book and the author's website deliver a comprehensive educational resource accessible to those interested in learning about all aspects and complexity of building automation.*

*-Eric Anderson, VP, Product Development & Engineering*

*The book is well written, it keeps the information understandable and not geared towards the scientist. It is educational and entertaining while providing something for people with all levels of experience, from the novice looking for ideas, to the well-seasoned HVAC tech looking to expand his knowledge.*

*-Rich Lillie Director of Operations*

From the Back Cover

Building Automation Systems are complicated. There is so much you need to know and so few resources to turn to. That is why I wrote this book. In Building Automation Systems A to Z you will learn:

- ✓ The in's and outs of BAS
- ✓ How to work with IT professionals on BAS projects
- ✓ Dozens of step-by-step processes to manage, install, upgrade, support, and integrate BAS
- ✓ The truth about analytics, IoT, and systems integration!

This book contains the combined experience of over 100+ years of HVAC and BAS professional knowledge and will help you dramatically shortcut your learning process.

I've spent years learning this information and now you can shortcut the learning process with this all-in-one guide to the fundamentals of BAS.

About the Author

Hi, I'm Phil Zito.

For the past decade, I've worked in the Building Automation field. I've held roles as a Service Technician, Operations Manager, Development Engineer, and most recently the Integration Program Manager for the largest Building Automation System Manufacturer in the world.

For the past decade, I've spent 3 to 4 hours every night studying building automation. It is this experience

that I pass on to my readers.

I love building automation systems!

That's why I run BuildingAutomationMonthly.com the #1 educational site related to Building Automation Systems. Here I teach folks about Building Automation Systems. I run a podcast, videocast, and blog.

I also create courses and books to help folks take their building automation knowledge to the next level.

## **Users Review**

### **From reader reviews:**

#### **Linda Wood:**

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#### **Peggy Nunes:**

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#### **Elliott Preciado:**

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**John Martin:**

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