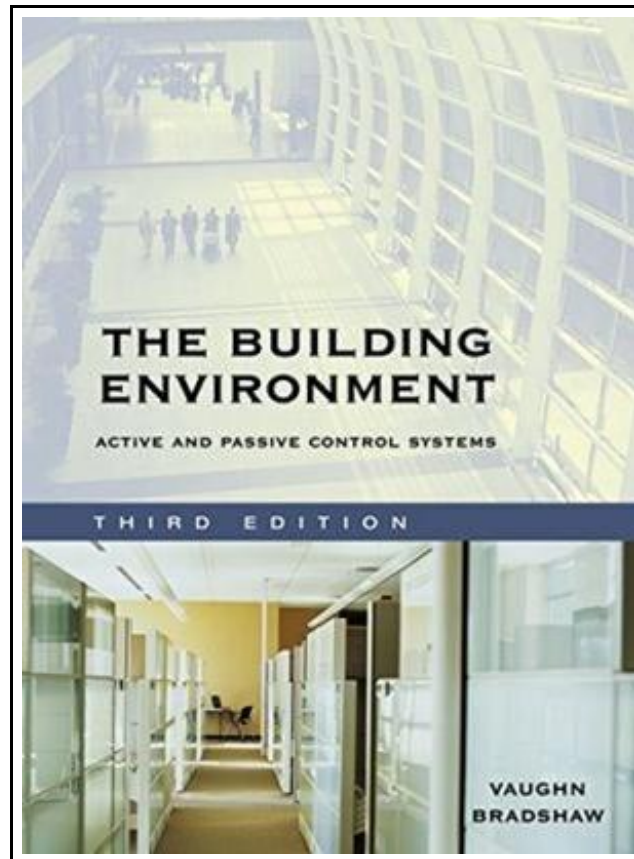


# The Building Environment: Active and Passive Control Systems



Filesize: 5.66 MB

## ***Reviews***

*Complete information for book fanatics. It normally does not cost excessive. I am very easily can get a satisfaction of reading a created publication.*

***(Mrs. Winifred Fritsch)***

## THE BUILDING ENVIRONMENT: ACTIVE AND PASSIVE CONTROL SYSTEMS

DOWNLOAD



To download **The Building Environment: Active and Passive Control Systems** PDF, make sure you follow the web link below and download the ebook or get access to other information which might be highly relevant to THE BUILDING ENVIRONMENT: ACTIVE AND PASSIVE CONTROL SYSTEMS book.

Wiley, 2006. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface. Introduction. PART 1: THERMAL CONTROL CONCEPTS. Chapter 1: Human Comfort and Health Requirements. Human Physiology. Heat Balance. Metabolism. Clothing. Environmental Factors. Thermal Comfort Standards. Temperature and Humidity Extremes. Air Quality and Quantity. Chapter 2: Thermodynamic Principles. Heat Transfer. Psychrometrics. Chapter 3: Thermal Dynamics of Buildings. Heat Gain and Loss. Thermal Mass Dynamics. Moisture Problems. Chapter 4: Load Calculations. Heating and Cooling Loads. Selecting Design Temperature and Humidity Conditions. Solar Gain Through Fenestration. Heat Transmission Through the Building Envelope. Internal Loads. Outside Air. Annual Energy Use Calculations. PART 2: THERMAL CONTROL SYSTEMS. Chapter 5: A Building's Impact on the Environment. Ozone Depletion. Global Warming. Energy Conservation. Green Design/Sustainable Design. Case Study. Chapter 6: Active HVAC Systems. Central Heat Sources. Central Cooling Sources. Distribution Media. Delivery Devices. Localized Exhaust Systems. Heat Recovery. Thermal Storage. Automatic Controls. Noise and Vibration. District Heating and Cooling. Chapter 7: Passive Methods. Load Reductions. Passive Solar Heating. Passive Cooling. Case Study. PART 3: ELECTRICAL SYSTEMS. Chapter 8: Lighting. Principles of Illumination. Electrical Lighting. Daylighting. Emergency Lighting. Outdoor Lighting. Chapter 9: Normal Electrical Service. Loads. Service Entrance. Interior Distribution. Battery Power Supply. Utility Demand Management. Chapter 10: On-Site Power Generation. Thermal-Source Generation. Wind Turbines. Solar Photovoltaic Cells. Hydropower. Chapter 11: Special Systems. Signal Systems. Conveying Systems. PART 4: OTHER PIPED SYSTEMS. Chapter 12: Plumbing Systems. Water Supply. Plumbing Fixtures. Sanitary Piping. Stormwater Drainage. Chapter 13: Fire Protection. Detection and Alarm Systems. Exits: Means of Egress. Compartmentation. Smoke Control. Fire Suppression. PART 5: RELATED SUPPORT SERVICES. Chapter 14: Architectural Acoustics. Sound Theory. Room Acoustics. Sound Isolation. Chapter 15: Building Commissioning. The Commissioning Plan. Applicable Systems and Equipment. Chapter 16: Design Economics. Payback Period. Life-Cycle Cost. Rate of Return. Comparative Value Analysis. Other...



[Read The Building Environment: Active and Passive Control Systems Online](#)



[Download PDF The Building Environment: Active and Passive Control Systems](#)



[Download ePub The Building Environment: Active and Passive Control Systems](#)

## You May Also Like



**[PDF] Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)**

Click the link listed below to download "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" PDF file.

[Download ePub »](#)



**[PDF] The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)**

Click the link listed below to download "The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)" PDF file.

[Download ePub »](#)



**[PDF] Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep**

Click the link listed below to download "Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep" PDF file.

[Download ePub »](#)



**[PDF] Maisy's Christmas Tree**

Click the link listed below to download "Maisy's Christmas Tree" PDF file.

[Download ePub »](#)



**[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)**

Click the link listed below to download "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" PDF file.

[Download ePub »](#)



**[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)**

Click the link listed below to download "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" PDF file.

[Download ePub »](#)



**[PDF] Read Write Inc. Phonics: Grey Set 7 Storybook 2 the Lion s Paw (Paperback)**

Follow the link beneath to read "Read Write Inc. Phonics: Grey Set 7 Storybook 2 the Lion s Paw (Paperback)" PDF file.

[Download ePub »](#)



**[PDF] Instrumentation and Control Systems**

Follow the link beneath to read "Instrumentation and Control Systems" PDF file.

[Download ePub »](#)



**[PDF] Read Write Inc. Phonics: Grey Set 7 Storybook 11 a Celebration on Planet Zox (Paperback)**

Follow the link beneath to read "Read Write Inc. Phonics: Grey Set 7 Storybook 11 a Celebration on Planet Zox (Paperback)" PDF file.

[Download ePub »](#)



**[PDF] The Mystery on Alaskas Iditarod Trail Real Kids, Real Places**

Follow the link beneath to read "The Mystery on Alaskas Iditarod Trail Real Kids, Real Places" PDF file.

[Download ePub »](#)



**[PDF] The Voyagers Series - Europe: A New Multi-Media Adventure Book 1 (Paperback)**

Follow the link beneath to read "The Voyagers Series - Europe: A New Multi-Media Adventure Book 1 (Paperback)" PDF file.

[Download ePub »](#)



**[PDF] The Mystery of the Haunted Ghost Town Real Kids, Real Places**

Follow the link beneath to read "The Mystery of the Haunted Ghost Town Real Kids, Real Places" PDF file.

[Download ePub »](#)