

Fire Protection Systems

By A. Maurice Jones Jr.



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In addition to architects, engineers, and design professionals, fire fighters also need to understand fire protection systems in order to manage the fire scene and minimize risks to life and property. Fire Protection Systems, Second Edition provides a comprehensive overview of the various types of fire protection systems, their operational abilities and characteristics, and their applications within various types of structures. The new Second Edition meets the latest course objectives from the Fire and Emergency Services Higher Education's (FESHE) Fire Protection Systems model curriculum and covers: • Water supply basics, including sources, distribution networks, piping, and hydrants. • Active fire protection systems and components, their operational characteristics, and installation, inspection, testing, and maintenance requirements. • Passive fire protection systems such as firewalls, fire separation assemblies, and fire dampers • Smoke control and management systems, gas-based suppression, access and egress control systems, and the code requirements for installation of these systems. Ensure that you are completely up-to-date on the latest fire protection systems and their operational characteristics and abilities with Fire Protection Systems, Second Edition.



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Editorial Review

Review

SECTION ONE - ESTABLISHING THE RELATIONSHIP BETWEEN FIRE BEHAVIOR, THE MODEL CODES, AND FIRE PROTECTION SYSTEMS Chapter One - The Basics of Fire Behavior Chapter Two - Fire Protection Systems and the Mode Code Process SECTION TWO - WATER-BASED FIRE PROTECTION SYSTEMS Chapter Three - Water Supplies for Fire Protection Systems Chapter Four - Standpipe Systems Chapter Five - Fire Sprinkler Systems Basics Chapter Six - Types of Fire Sprinkler Systems SECTION THREE - FIRE ALARM AND DETECTION SYSTEMS Chapter Seven - Fire Alarm System Components and Functions Chapter Eight - Types of Fire Systems SECTION FOUR - FIRE SUPPRESSION SYSTEMS Chapter Nine - Wet and Dry Chemical Extinguishing Systems Chapter Ten - Gaseous Extinguishing Systems Chapter Eleven - Portable Fire Extinguishers SECTION FIVE - CONTROL AND MANAGEMENT SYSTEMS Chapter Twelve - Smoke Management and Control Systems Chapter Thirteen - Egress Control

About the Author

A. Maurice Jones, Jr. is previously worked in the Virginia Fire Marshall's office.

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