



Lightning Protection (Hardback)

By R. H. Golde

Chemical Publishing Co Inc., U.S., United States, 1975.
 Hardback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Contents - Preface - 1 Historical survey - 2 The thunderstorm - 2.1. Global distribution of thunderstorms - 2.2. The thundercloud - 2.3. Point-discharge currents - 3. The lightning discharge - 3.1. Temporal development of flash to ground - 3.2. Strokes to tall structures - 3.3. Lightning currents and related parameters - 3.4. Frequency of lightning discharges - 4. The lightning conductor - 4.1. Mechanism of strike - 4.2. Striking distance - 4.3. Protective zone - 4.4. Radio-active lightning conductors - 4.5. Frequency of strikes to a structure - 5 Principles of protection - 5.1 Need for protection - 5.2. Design considerations - 5.3. Thermal considerations - 5.4. Mechanical considerations - 5.5. Electrical considerations - 6. Materials and dimensions - 6.1. Conductors for use above ground - 6.2. Conductors for use below ground - 6.3. Corrosion - Lightning Protection - 7. Protective systems for domestic, industrial and public structures - 7.1. Air-termination network - 7.2. Down conductors - 7.3. Earth-termination network - 7.4. Earth electrodes - 7.5. Joints - 7.6. Metal components on and in...

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