



Hawkins Electrical Guide Volume 5-6 (Paperback)

By Nehemiah Hawkins

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1914 Excerpt: .grouping of coils--starting of induction motors: external resistance, auto-transformer, internal resistance methods--internal resistance induction motors; adaptation--how resistance is cut out--why not desirable for large sizes--external resistance or slip ring motors--operation--armature connections--single phase induction motors--service suitable for--disadvantage--parts--why not self-starting--how started--phase splitting; production of rotating field from oscillating field--methods--starting coils--shading coils--character of the starting torque--modification of armature for starting with heavy load--clutch type of single phase induction motor; its action in starting--commutator motors--classification--action of closed coil rotating in alternating field--the transformer pressure--generated pressure--self-induction pressure--local armature currents; reason for sparking; how reduced--high resistance connectors--effect of low power factor--effect of frequency--series motor--features--adaptation--neutralized series motor--conductive method--inductive method--shunt motors--repulsion motors--difficulty with early motors--means employed to stop sparking--essentials of single repulsion motors--the term repulsion induction motor--compensated repulsion motor--power factor of induction motors--its

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