

CONTENTS

	Page
1. LANGUAGE OF ELECTRICITY	1
2. ELECTRICAL FUNDAMENTALS	11
3. ELECTRIC CIRCUITS	22
4. ELECTRICAL POWER AND ENERGY	47
5. ELECTRICAL MEASURING INSTRUMENTS	62
6. CONDUCTOR TYPES AND SIZES	77
7. WIRING METHODS	112
8. WIRING APPLICATIONS	138
9. MAGNETS AND MAGNETISM	162
10. DC GENERATORS	174
11. DC MOTORS	213
12. DC MOTOR CONTROLS	235
13. ALTERNATING CURRENT	264
14. AC CIRCUITS	297
15. AC GENERATORS	333
16. TRANSFORMERS	355
17. ELECTRICAL DISTRIBUTION	401
18. AC MOTORS	417
19. AC MOTOR CONTROLLERS	447
20. ELECTRICAL INSTRUMENTS AND EQUIPMENT	487
21. BASIC INDUSTRIAL ELECTRONICS	520
INDEX	563