

INSTRUCTIONAL SYSTEMS INC.

BUILDING MAINTENANCE - ELECTRIC

CHAPTER 1 - Introduction to Electricity

- Lesson 1 - Understanding Electrical Terms
- Lesson 2 - Understanding Electricity
- Lesson 3 - Electricity and Safety
- Lesson 4 - The Electrical System
- Lesson 5 - Parts of the Electrical System
- Lesson 6 - Understanding Circuits
- Lesson 7 - Grounding and Polarity
- Lesson 8 - Tools for Electrical Repair

CHAPTER 2 - Wiring Systems

- Lesson 1 - Understanding Wires
- Lesson 2 - Understanding Cables
- Lesson 3 - Stripping and Splicing
- Lesson 4 - The Main Service Panel
- Lesson 5 - Fuses and Circuit Breakers
- Lesson 6 - The Circuit Map
- Lesson 7 - Calculating Safe Circuit Capacity
- Lesson 8 - Electrical Boxes
- Lesson 9 - Installing Electrical Boxes
- Lesson 10 - Replacing Electrical Boxes

CHAPTER 3 - Switches

- Lesson 1 - Types of Switches
- Lesson 2 - Uses of Wall Switches
- Lesson 3 - Special Types of Switches
- Lesson 4 - Testing Switches for Continuity
- Lesson 5 - Repairing and Replacing Switches
- Lesson 6 - Diagnosing Switch Problems

CHAPTER 4 - Receptacles

- Lesson 1 - Types of Receptacles
- Lesson 2 - Wiring Receptacles
- Lesson 3 - Testing Receptacles
- Lesson 4 - Repairing Receptacles
- Lesson 5 - Replacing Receptacles
- Lesson 6 - Installing GFCI Receptacles
- Lesson 7 - Diagnosing Receptacle Problems

CHAPTER 5 - Light Fixtures

- Lesson 1 - Incandescent Light Fixtures
- Lesson 2 - Repairing Incandescent Lights
- Lesson 3 - Replacing Incandescent Lights
- Lesson 4 - Repairing Recessed Lights
- Lesson 5 - Replacing Recessed Lights
- Lesson 6 - Diagnosing Light Problems
- Lesson 7 - Fluorescent Light Fixtures
- Lesson 8 - Replacing Fluorescent Light Tubes
- Lesson 9 - Replacing Fluorescent Light Sockets
- Lesson 10 - Replacing Ballasts
- Lesson 11 - Replacing Fluorescent Fixtures
- Lesson 12 - Diagnosing Fluorescent Fixtures
- Lesson 13 - Replacing a Light Plug

CHAPTER 6 - Bell Systems

- Lesson 1 - Diagnosing Bell System Problems
- Lesson 2 - Replacing a Doorbell System
- Lesson 3 - Replacing a Doorbell Chime Unit

CHAPTER 7 - Thermostats

- Lesson 1 - Understanding Thermostats
- Lesson 2 - Testing Low-Voltage Systems
- Lesson 3 - Installing a Thermostat
- Lesson 4 - Replacing a Low-Voltage Transformer
- Lesson 5 - Testing a Live Thermostat