

BASIC INDUSTRIAL ELECTRICITY I

WE IMPROVE WORKPLACE SAFETY & PERFORMANCE

TRAINING DESCRIPTION:

Often copied, never duplicated, this is the original "Basic Industrial Electricity" seminar. In this one-day course, attendees will be taken through the basics of Industrial Electricity, including subjects that an Industrial or Institutional Electrician must know to be effective. This is not a seminar on electrical theory, but a discussion on practical procedures and information you need to know to troubleshoot effectively.

To give you a solid foundation in Industrial Electricity. This seminar starts with the fundamentals of electricity by explaining Voltage, Current, Resistance, and Power, followed by a brief discussion of Ohm's Law. A lengthy discussion of electrical symbols and drawings will follow. This includes analyzing drawings of the electrical systems of real machines from real factories. Transformers will then be discussed. This will include explanations of three-phase and single-phase distribution systems. The seminar will end with an in-depth discussion on motor control and power circuits. You will gain a firm knowledge of motor starters and how they operate in a motor control circuit. This seminar is great for both the beginner and someone with years of experience but no formal training.

We will not waste your time with theory. The knowledge you take out of this seminar can be used immediately.

TRAINING TOPICS:

FUNDAMENTALS OF ELECTRICITY

- Current
- Voltage
- Resistance
- Power
- AC and DC
- Ohm's Law

TRANSFORMERS

- Magnetism
- Transformer Functions
(Power Plant to Factory)
- Control Transformer Connections

READING AND UNDERSTANDING ELECTRICAL DRAWINGS

- Symbols
- Relays, Contactors, and Motor Starters
- Ladder Drawings

THREE-PHASE SYSTEMS

- Three-Phase Motors
- Three-Phase Transformer Connections

CLASS DISCUSSION AND REVIEW

**1-DAY
TRAINING**

CLASS SIZE: UP TO 20
CLASS LENGTH: 6 HOURS
CLASS NUMBER: S_EI I I

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