

Instructor Guide



200: Escalator Specific - Principles of Operation

Module 4: Electrical Control Systems

Electrical Control Systems



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Icons Used in This Guide

Throughout the Learner’s Guide, the following icons indicate the type of content being presented.



Refer To



PowerPoint



Multimedia



Web based Training



Write



Ask



Individual Activity



Small Group Activity



Classroom Activity



Duration

Agenda

Topic No.	Topic Title	Duration
1	Introduction <ul style="list-style-type: none"> Set expectations 	5 minutes
2	Safe Electrical Practices	35 minutes
3	Electrical Control Systems	45 minutes
4	Summary	5 minutes
Total Time:		1.5 hours



Overview

Purpose

The purpose of this module is to:

- Introduce participants to an overview of Electrical Control Systems.

Objectives

At the end of this chapter, the learner will be able to:

- Identify Safe Electrical Practices
- Describe components of Electrical Control Systems

Materials

Make sure you have the following:

- Laptop (one for leader)
- Participant Guides
- PowerPoint slide deck
- LCD projector
- A17.1 Safety Code for Elevators and Escalators
- A17.2 Guide for Inspection of Elevators, Escalators and Moving Sidewalks
- A17.3 Safety Code for Existing Elevators and Escalators
- Heavy Duty Transportation System Elevator Design Guidelines (APTA RT-RP-FS 008-03)
- Heavy Duty Transportation System Escalator Design Guidelines (APTA RT-RP-FS 007-02)
- Field Employees' Safety Handbook
- Transit Agency Handbook

Preparation

PREPARE flip charts with the following titles:

- Class Expectations
- Safety PPE
- Electrical Control Systems