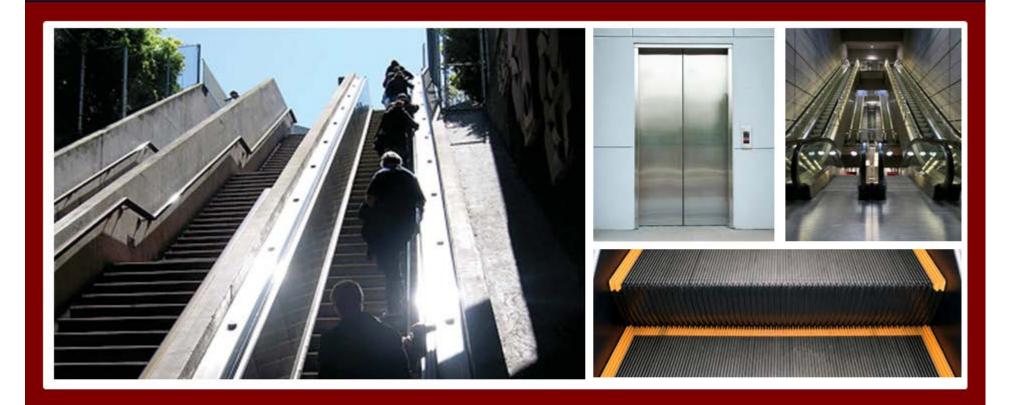
# Instructor Guide



200: Escalator Specific - Principles of Operation

Module 4: Electrical Control Systems

**))))** Transit Elevator/Escalator Consortium

# **Electrical Control Systems**



## **Table of Contents:**

Introduction	1
Safe Electrical Practices	
PPE	
Electrical Control Systems	
Summary	
Review Exercises	



### **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	5 minutes
	Set expectations	
2	Safe Electrical Practices	35 minutes
3	Electrical Control Systems	45 minutes
4	Summary	5 minutes
	Total Time:	1.5 hours

### **Electrical Control Systems**



#### 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**