

SMARTRISE ENGINEERING

→ CONTROLLER TRAINING ←
SYLLABUS

VERSION 1.0



Document History

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February 27, 2025	1.0	Initial Release

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Overview

This training program covers five key sections designed to equip mechanics with the essential skills to navigate Smartrise controllers and troubleshoot common issues effectively.

Section 1: Prints

Objective: Learn to navigate Smartrise prints and locate essential information.

Key Topics:

- ◆ Navigating using index page references
- ◆ Understanding symbol definitions
- ◆ Reviewing job specifications
- ◆ Locating DIP and jumper settings

Activities:

- ◆ Engage with mechanics using prints to find required information.
- ◆ Review key pages (slides 6-16) for symbol definitions, job specifications, and board references.
- ◆ Practice reading circuits and troubleshooting with common questions (slides 17-26).

Section 2: Construction

Objective: Learn construction setup, troubleshooting, and how to initiate elevator movement.

Key Topics:

- ◆ Construction setup for installation
- ◆ Connecting jumpers and running bug wiring
- ◆ Getting the car moving (hydro and traction)

Activities:

- ◆ Review prints and use startup manuals for setup (slides 28-37).
- ◆ Hands-on training with mock obstacles and collaboration (slides 31-45).
- ◆ Address common construction issues, using the startup manuals to troubleshoot.

Section 3: Normal Operation

Objective: Understand how to navigate the system, adjust slowdowns, and read critical data.

Key Topics:

- ◆ Navigating the home screen and menu
- ◆ Understanding door data and indicators
- ◆ Adjusting slowdowns for smoother rides (hydro and traction)

Activities:

- ◆ Use the home screen and door data for basic troubleshooting (slides 46-55).
- ◆ Learn hoistway layout and slow down adjustments (slides 52-57).
- ◆ Hands-on practice adjusting floor levels and running "mock learns" (slide 58).
- ◆ Engage in role-playing to simulate troubleshooting (slides 59-62).

Section 4: Faults

Objective: Identify and resolve faults encountered before and after installation.

Key Topics:

- ◆ Navigating the fault menu
- ◆ Diagnosing common issues post-construction
- ◆ Resolving maintenance trouble calls

Activities:

- ◆ Engage in fault identification and resolution (slides 63-73).
- ◆ Solve real-time fault scenarios using manuals (slides 63-80).
- ◆ Short Q&A session for additional troubleshooting queries (slide 79-80).

Section 5: The Smartrise Advantage

Objective: Understand the unique features of Smartrise controllers and their competitive edge.

Key Topics:

- ◆ Advanced controller features and key benefits
- ◆ DAD Monitoring Unit
- ◆ Customizable post-installation features

Activities:

- ◆ Explore controller capabilities, including security features, fire service setup, and I/O configuration (slides 81-93).
- ◆ Hands-on interaction with controller features (slide 95).
- ◆ Engage with the MRM and explore features related to end-user interaction (slides 96-113).
- ◆ Final review and additional demonstrations (slide 114).

This syllabus ensures comprehensive training, combining theoretical learning with practical hands-on experience to enhance understanding and problem-solving skills with Smartrise controllers.