

LSSOCH 452449, 845-2449

LSSOCH Smart Reefer SR4 HMI Controller User Manual

Models: 452449, 845-2449

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of the LSSOCH Smart Reefer SR4 HMI Controller. This controller is designed for compatibility with Thermo King SLXi 100, 200, and 400 series units. Please read this manual thoroughly before using the product to ensure proper function and longevity.

The package includes one (1) LSSOCH Smart Reefer SR4 HMI Controller (Part Numbers: 452449, 845-2449).

2. PRODUCT OVERVIEW

The Smart Reefer SR4 HMI Controller serves as the human-machine interface for compatible Thermo King refrigeration units, allowing users to monitor and control various operational parameters.

2.1 Components

- **Display Screen:** Provides real-time operational data and menu navigation.
- **Control Buttons:** Used for power, menu navigation, and setting adjustments.
- **Rear Connector:** Interface for connecting to the main refrigeration unit system.

2.2 Product Views



Figure 1: Angled view of the LSSOCH Smart Reefer SR4 HMI Controller, showing the display screen and control buttons from a top-right perspective.



Figure 2: Front view of the LSSOCH Smart Reefer SR4 HMI Controller, highlighting the central display and the arrangement of the power and function buttons.



Figure 3: Rear view of the LSSOCH Smart Reefer SR4 HMI Controller, showing the product label with part numbers and the blue multi-pin connector.



Figure 4: Close-up view of the blue multi-pin connector on the rear of the LSSOCH Smart Reefer SR4 HMI Controller, detailing the pin configuration.

3. SETUP AND INSTALLATION

Installation of the SR4 HMI Controller should be performed by qualified personnel. Ensure the refrigeration unit is powered off and disconnected from any power source before beginning installation.

1. **Mounting:** Securely mount the controller in the designated location on the Thermo King SLXi unit. Ensure all mounting points are properly fastened.
2. **Connection:** Carefully align and connect the multi-pin cable from the refrigeration unit to the blue connector on the rear of the SR4 HMI Controller. Ensure the connection is firm and secure.
3. **Power On:** Once the controller is securely mounted and connected, restore power to the refrigeration unit. The controller display should illuminate.
4. **Initial Check:** Verify that the controller powers on and displays system information correctly. Refer to the Thermo King SLXi unit's specific manual for initial system configuration and diagnostics.

4. OPERATING INSTRUCTIONS

The SR4 HMI Controller provides an interface for monitoring and adjusting the operational parameters of your Thermo King SLXi refrigeration unit. Specific functions and menu navigation may vary slightly based on the SLXi model and software version.

4.1 Power On/Off

- To power on the display, press the **ON** button.
- To power off the display, press the **OFF** button. Note that powering off the HMI does not necessarily power off the entire refrigeration unit.

4.2 Menu Navigation

Use the arrow buttons (typically located below the display) to navigate through menus and adjust settings. The specific functions of each button will be indicated on the display or in the main Thermo King SLXi manual.

- **Up/Down Arrows:** Scroll through menu options or increase/decrease values.
- **Enter/Select Button:** Confirm a selection or enter a submenu.
- **Back/Escape Button:** Return to the previous menu or cancel an action.

For detailed operational procedures, including setting temperature, managing defrost cycles, and accessing diagnostic codes, refer to the official Thermo King SLXi operator's manual specific to your unit model.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your SR4 HMI Controller.

- **Cleaning:** Gently wipe the display screen and exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the plastic or screen.
- **Inspections:** Periodically check the rear connector for any signs of corrosion, loose connections, or damage. Ensure the controller is securely mounted.
- **Software Updates:** Any software updates for the HMI are typically part of the overall Thermo King SLXi unit's system updates. Consult your Thermo King service provider for information on system software maintenance.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with the SR4 HMI Controller. For complex problems, contact a qualified service technician.

Problem	Possible Cause	Solution
Display does not illuminate.	No power to the unit; loose connection; faulty controller.	<ul style="list-style-type: none"> • Verify the refrigeration unit has power. • Check the rear connector for a secure connection. • If issues persist, contact service.
Buttons are unresponsive.	Software glitch; physical damage; debris under buttons.	<ul style="list-style-type: none"> • Restart the refrigeration unit (if safe to do so). • Inspect buttons for physical obstruction. • If unresponsive, contact service.
Incorrect readings or error codes.	Sensor issue; system malfunction; communication error.	<ul style="list-style-type: none"> • Refer to the Thermo King SLXi manual for specific error code interpretations. • Ensure all connections are secure. • Contact service for diagnostics.

7. SPECIFICATIONS

Feature	Detail
Product Name	Controller Smart Reefer SR4 HMI
Part Numbers	452449, 845-2449

Feature	Detail
Brand	LSSOCH
Compatibility	Thermo King SLXi 100, 200, 400
Package Includes	1X Controller Smart Reefer SR4 HMI

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact your supplier. Ensure you have your product model and part numbers (452449, 845-2449) available when seeking support.
