

Somfy 1841150

Somfy 3S Ixengo io Control Box 1841150 - Instruction Manual

Model: 1841150 | Brand: Somfy

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the Somfy 3S Ixengo io Control Box, model 1841150. This control box is designed for use with sliding gate operators, offering advanced control features and robust performance. Please read this manual thoroughly before proceeding with any installation or operation.



Figure 1: Front view of the Somfy 3S Ixengo io Control Box. This image displays the grey plastic enclosure with the Somfy logo centrally located on the cover, secured by four screws at the corners.

2. SAFETY INFORMATION

Important: Electrical work must only be carried out by qualified electricians or under their direct supervision. Failure to comply with this warning can result in serious injury or damage to property.

- Always adhere to country-specific standards and regulations regarding electrical installations. Consult a local electrical installer for guidance.
- Devices with a connection value greater than 380 V/400 V require a high-current connection and must only be connected by a qualified electrician.
- Ensure the main power supply is disconnected before performing any installation, maintenance, or troubleshooting.
- The control box is rated IP44, providing protection against solid objects larger than 1mm and splashing water from any direction. However, it is not designed for submersion.
- Operating temperature range is -22 °C to 60 °C. Do not operate outside this range.

3. SETUP AND INSTALLATION

The Somfy 3S Ixengo io Control Box is designed for quick and error-free installation, featuring factory presets and

color-coded connection sockets.

3.1 Mounting

1. The control box is designed for surface mounting. Use appropriate screws for secure fixation.
2. Ensure the mounting location is protected from direct heavy rain and extreme environmental conditions, despite its IP44 rating.
3. Maintain adequate ventilation around the unit.

3.2 Electrical Connections

Before making any electrical connections, ensure the main power supply is OFF.

1. Connect the 230 V AC power supply to the designated input terminals.
2. Utilize the color-coded connection sockets to correctly wire the motor (24 V DC), safety devices, and other accessories.
3. Connect safety precautions inputs (2 available, 1 programmable) as required by your gate system.
4. Wire the control input for full or partial opening functionality.
5. Connect outputs for lighting (230 V/500 W max), warning lamp (24 V/15 W), accessories (24 V/1.2 A max), electric lock (24 V or 12 V programmable), and potential-free output (24 V/2 A max) as needed.
6. Connect the antenna for radio frequency communication (868-870 MHz).

3.3 Initial Configuration

1. After all connections are made, restore power to the unit.
2. The system will perform an auto-learning sequence to adapt to the gate's parameters. Follow any on-screen prompts on the LCD display.
3. Verify proper operation of all connected safety devices and gate movements.

4. OPERATING INSTRUCTIONS

The Somfy 3S Ixengo io Control Box offers intuitive operation supported by an LCD display and button controls.

- **Button Operation:** Use the integrated buttons to navigate menus and control gate functions.
- **LCD Display:** The LCD provides real-time status, error messages, and guides through configuration processes.
- **Gate Control:** The system allows for separate control of full openings, partial openings (pedestrian access), ambient lighting, and potential-free outputs.
- **Programmable Safety Input:** One of the two safety inputs is programmable, allowing customization for specific safety devices or operational logic.

5. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your Somfy 3S Ixengo io Control Box.

- **Visual Inspection:** Periodically inspect the control box for any signs of damage, loose connections, or ingress of moisture/debris.
- **Cleaning:** Keep the exterior of the control box clean using a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Functionality Check:** Regularly test the gate's opening and closing functions, as well as all connected safety devices (e.g., photocells, safety edges).
- **Professional Check:** It is recommended to have a qualified technician inspect the entire gate system,

including the control box, at least once a year.

6. TROUBLESHOOTING

This section provides general guidance for common issues. For complex problems, consult a qualified technician.

- **No Power:** Check the main power supply and circuit breakers. Ensure all power connections to the control box are secure.
- **Gate Not Responding:** Verify that the remote control or pushbuttons are functioning. Check for any obstructions in the gate's path. Inspect safety devices for proper alignment or damage.
- **Erratic Operation:** This could indicate interference with the radio frequency. Ensure the antenna is properly connected and positioned. Check for any error messages on the LCD display.
- **Safety Device Malfunction:** If a safety device is not working, check its wiring and ensure it is clean and unobstructed. The programmable safety input can be checked for its specific configuration.

If the issue persists after basic troubleshooting, contact Somfy customer support or a certified service technician.

7. SPECIFICATIONS

Feature	Specification
Model Number	1841150
Brand	Somfy
Material	Thermoplastic Plastic
Color	Grey
Finish Type	Painted, Matte
Installation Type	Surface Mount, Screw-on
Power Supply	230 V AC, 50 Hz
Motor Supply	24 V DC
Operating Temperature	-22 °C to 60 °C
Protection Type	IP44
Radio Frequency	868-870 MHz
Dimensions (L x H x P)	255 x 180 x 90 mm
Number of Relays	4
Lighting Output	1 x 230 V / 500 W max
Warning Lamp Output	1 x 24 V / 15 W
Accessory Output	1 x 24 V / 1.2 A max
Safety Device Output	1 x 24 V
Electric Lock Output	1 x 24 V or 12 V (programmable)
Potential-Free Output	1 x 24 V / 2 A max

Feature	Specification
Inputs	2 for safety precautions (1 programmable), 1 for control (full/partial opening)

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Somfy customer service or your authorized Somfy dealer. Keep your purchase receipt and model number (1841150) readily available when seeking support.

You can find contact details on the official Somfy website or through your local distributor.