

SENRISE HA3508D

SENRISE Push Button Control Station HA3508D User Manual

Model: HA3508D | Brand: SENRISE

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the SENRISE HA3508D Push Button Control Station. This unit is designed for controlling electromagnetic starters, contactors, relays, and other electrical circuits with automatic control functions. It features a combination of stop/start buttons and an emergency stop mushroom pressure switch.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation and maintenance should only be performed by qualified personnel.

- Always disconnect power before installing or servicing the control station.
- Ensure all wiring conforms to local and national electrical codes.
- Verify correct voltage and current ratings before connecting to a circuit.
- Do not operate the device if it is damaged or appears to be malfunctioning.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged:

- 1 x SENRISE Push Button Control Station (HA3508D)

Note: The control station may include various push buttons (e.g., emergency stop, start, stop) depending on the specific configuration. This model includes an emergency off mushroom switch and three self-return switches.

4. SPECIFICATIONS

Parameter	Value
Product Name	Push Button Station
Model Number	HA3508D
Action Type	Self-locking (Emergency Stop), Self-return (Other Switches)

Contact Type	Normally Closed (NC) for Emergency Stop, others may vary
Rated Current	10(6)A
Nominal Voltage	AC 400 V
Signal Lamp Voltage (if applicable)	AC/DC 110 V, <= 20 mA
Emergency Button Diameter	4 cm / 1.6 inches
Material	Plastic, Metal
Dimensions (approx.)	195 x 73 x 66 mm (L x W x H) for 4 switches
Weight	405 g

Note: Dimensions may vary slightly based on the specific switch configuration (e.g., 1, 2, 3, or 4 switches). The provided dimensions are for a 4-switch unit.

5. SETUP AND INSTALLATION

Proper installation is crucial for safe and reliable operation. Refer to the wiring diagram provided with your specific unit for exact terminal connections.

5.1 Mounting the Control Station

1. Choose a suitable, stable, and easily accessible location for mounting the control station.
2. Mark the drilling points for the mounting screws on the desired surface.
3. Drill pilot holes if necessary.
4. Securely fasten the control station to the surface using appropriate screws (not included).

5.2 Wiring Connections

The control station is equipped with screw terminals for electrical connections. This model typically includes 2 screw terminals per switch.

- **Emergency Stop Switch:** This is a normally closed (NC) contact type. When pressed, it opens the circuit to stop the controlled equipment. It features a red shield and requires a turn to reset.
- **Other Switches (Self-Return):** These typically control start/stop functions. Consult the specific wiring diagram for their contact types (e.g., Normally Open (NO) for start, Normally Closed (NC) for stop).
- Ensure all wire connections are tight and secure to prevent loose contacts and potential hazards.
- Use appropriate wire gauges for the rated current and voltage.



Figure 1: SENRISE Push Button Control Station HA3508D. This image shows the overall appearance of the control station with its various push buttons, including the prominent red mushroom-head emergency stop button and other self-return switches.

6. OPERATING INSTRUCTIONS

The SENRISE HA3508D control station is designed for straightforward operation.

6.1 Emergency Stop Function

- To activate the emergency stop: Press the large red mushroom-head button firmly. It will latch in the depressed position, interrupting the controlled circuit.
- To reset the emergency stop: Turn the red mushroom-head button clockwise (or counter-clockwise, depending on the specific mechanism) until it pops back out to its original position. The circuit will then be ready for normal operation.

6.2 Standard Push Button Operation (Start/Stop)

- The three self-return switches are typically used for start and stop functions.
- **Start Button:** Momentarily press the designated start button (often green or black). The button will return to its original position once released.
- **Stop Button:** Momentarily press the designated stop button (often red or black). The button will return to its original position once released.
- *Note: The exact function of each self-return button depends on how it is wired into your control circuit.*

7. MAINTENANCE

The SENRISE HA3508D Push Button Control Station requires minimal maintenance to ensure long-term reliability.

- **Cleaning:** Periodically wipe the exterior of the control station with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the plastic.
- **Inspection:** Regularly inspect the control station for any signs of physical damage, loose connections, or excessive wear.
- **Functionality Check:** Periodically test the functionality of all buttons, especially the emergency stop, to ensure they operate correctly.

- **Environmental Conditions:** Ensure the control station is not exposed to conditions beyond its specified operating environment (e.g., extreme temperatures, excessive moisture, corrosive substances).

8. TROUBLESHOOTING

If you encounter issues with your control station, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Control station is unresponsive.	No power to the circuit. Loose wiring connection. Emergency stop button engaged.	Check power supply. Inspect and tighten all wiring connections. Reset the emergency stop button by turning it.
Button does not activate/deactivate equipment.	Incorrect wiring. Faulty switch contact. External circuit issue.	Verify wiring against the circuit diagram. Test the switch contacts with a multimeter (power off). Check the controlled equipment and its associated wiring.
Emergency stop button does not latch or reset.	Mechanical obstruction. Damaged mechanism.	Inspect for debris or obstructions around the button. If damaged, the unit may need replacement.

If the problem persists after attempting these solutions, contact qualified electrical personnel or SENRISE customer support.

9. WARRANTY AND SUPPORT

SENRISE products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or inquiries, please visit the official SENRISE website or contact their customer service department.

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