

Solaira Smart 5-Inch Wall Switch

Solaira Smart 5-Inch Wall Switch User Manual

Model: Smart 5-Inch Wall Switch

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Solaira Smart 5-Inch Wall Switch. Please read this manual thoroughly before installation and use to ensure safe and efficient operation. This device is designed for use with Solaira SMARe16 and SMARe34-DV controllers.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Improper installation can lead to serious injury or death.

- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Ensure power is disconnected at the circuit breaker before attempting any installation or maintenance.
- Do not operate the switch with wet hands.
- This product is designed for indoor use unless otherwise specified by Solaira.
- Do not attempt to modify or repair the device yourself. Contact qualified service personnel.

3. PRODUCT OVERVIEW

The Solaira Smart 5-Inch Wall Switch provides intuitive touch control for compatible Solaira heating systems. It features a clear digital display and dedicated buttons for power, timer, and output level adjustment.



Figure 1: Front view of the Solaira Smart 5-Inch Wall Switch. The switch features a digital display at the top, showing the current setting. Below the display are four circular touch buttons: a power button (top left), an up arrow for increasing settings (top right), a timer button (bottom left), and a down arrow for decreasing settings (bottom right).

Control Panel Functions:

- **Power Button ():** Turns the connected heating system ON or OFF.
- **Up Arrow Button (^):** Increases the heating output level or timer setting.
- **Down Arrow Button (v):** Decreases the heating output level or timer setting.
- **Timer Button ():** Activates or adjusts the timer function.
- **Digital Display:** Shows the current output level (1-5) or timer duration.

4. SETUP AND INSTALLATION

The Solaira Smart 5-Inch Wall Switch is designed for professional installation. It is compatible with Solaira SMARe16 and SMARe34-DV controllers. Ensure that the electrical wiring is appropriate for the connected heating load.

1. **Power Disconnection:** Before beginning installation, ensure that power to the circuit is completely disconnected at the main circuit breaker. Verify with a voltage tester.
2. **Wiring:** Connect the wall switch according to the wiring diagram provided with your Solaira heating system and controller. Ensure all connections are secure and properly insulated.
3. **Mounting:** Mount the wall switch into a standard electrical wall box. Secure it with the provided screws.
4. **Faceplate Installation:** Attach the decorative faceplate over the switch.
5. **Power Restoration:** Once installation is complete and all connections are verified, restore power at the circuit breaker.

Note: This device is ETL certified, indicating compliance with North American safety standards.

5. OPERATING INSTRUCTIONS

Turning ON/OFF:

- Press the **Power Button ()** once to turn the connected heating system ON. The digital display will

illuminate and show the current output level.

- Press the **Power Button** () again to turn the heating system OFF. The display will turn off.

Adjusting Heating Output (5 Positions):

The switch offers 5 distinct heating output levels, typically ranging from 1 (lowest) to 5 (highest).

- With the system ON, press the **Up Arrow Button** (^) to increase the heating output level. The digital display will show the new level.
- Press the **Down Arrow Button** (v) to decrease the heating output level. The digital display will show the new level.

Using the Timer Function:

The timer function allows you to set a duration for the heating system to operate before automatically turning off.

- Press the **Timer Button** () to activate the timer. The display may show a default timer duration or flash.
- Use the **Up Arrow Button** (^) and **Down Arrow Button** (v) to adjust the desired timer duration.
- Once the desired time is set, the display will revert to showing the output level after a few seconds, and the timer will begin counting down.
- To cancel the timer, press the **Timer Button** () repeatedly until the timer indicator is off, or turn the unit off and then on again.

6. MAINTENANCE

The Solaira Smart 5-Inch Wall Switch requires minimal maintenance.

- **Cleaning:** Disconnect power before cleaning. Wipe the surface with a soft, damp cloth. Do not use abrasive cleaners, solvents, or excessive moisture.
- **Inspection:** Periodically inspect the switch for any signs of damage or loose connections. If any issues are found, disconnect power and contact a qualified electrician.

7. TROUBLESHOOTING

If you experience issues with your Solaira Smart 5-Inch Wall Switch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Switch does not respond.	No power to the switch; loose wiring; internal fault.	Check circuit breaker. Ensure all wiring connections are secure (<i>consult an electrician</i>). If problem persists, contact Solaira support.
Heating system not turning ON/OFF.	Switch not properly communicating with controller; controller issue.	Verify compatibility with SMARe16 or SMARe34-DV controllers. Consult the controller's manual.
Output level or timer cannot be adjusted.	Buttons unresponsive; internal fault.	Ensure buttons are pressed firmly. If unresponsive, power cycle the switch (turn off/on at breaker). If issue continues, contact support.

If troubleshooting steps do not resolve the issue, contact Solaira customer support or a qualified

electrician.

8. SPECIFICATIONS

Feature	Detail
Brand	Solaira
Model	Smart 5-Inch Wall Switch
Compatibility	Solaira SMARe16 and SMARe34-DV controllers
Control Method	Touch
Number of Positions	5 (for heating output levels)
Certification	ETL Certified
Batteries Required	No
Item Weight	4 pounds (approx.)
Package Dimensions	7 x 2 x 1 inches (approx.)
UPC	687175005094

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation provided with your Solaira heating system or visit the official Solaira website. Keep your purchase receipt as proof of purchase for warranty claims.

Note: Specific warranty terms may vary by region and product.

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Information in this manual is subject to change without notice.