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› TECKEEN Digital Control Board Thermostat Panel Kit for Masterbuilt Electric Smokers (Models ESQ30B, 20070106, 70070106, 20070408, etc.)

TECKEEN ESQ30B, 20070106, 70070106, 20070408, 20070108, 20070407, 72070106, 72070206, 20070206, 20070910, 20072010, 20070409, 20

TECKEEN Digital Control Board Thermostat Panel Kit Instruction Manual

For Masterbuilt Electric Smokers (Models ESQ30B, 20070106, 70070106, 20070408, etc.)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TECKEEN Digital Control Board Thermostat Panel Kit. This replacement control board is designed to restore or upgrade the temperature and time control functions of compatible Masterbuilt electric smokers, ensuring precise cooking results.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the control board. Failure to follow these instructions may result in property damage or personal injury.

- Always disconnect power to the smoker before attempting any installation or maintenance.
- Ensure all electrical connections are secure and properly insulated.
- Do not expose the control board to water or excessive moisture.
- If the control board shows an error, refer to the troubleshooting section or restart the smoker control panel.
- This product is a replacement part; ensure it is compatible with your specific Masterbuilt smoker model before installation.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x Digital Thermostat Controller Board
- 2x Screws

4. PRODUCT OVERVIEW

The TECKEEN Digital Control Board features a bright LED display for clear visibility, even in sunlight. It provides intuitive buttons for setting temperature and time, along with power and heating indicators.



Figure 4.1: Front view of the TECKEEN Digital Control Board, showing the LED display, 'POWER' and 'HEATING' indicators, and control buttons ('ON/OFF', 'SET TEMP', 'SET TIME', '+', '-').



Figure 4.2: Close-up view highlighting the control buttons and LED display, demonstrating user interaction.

5. INSTALLATION

This section outlines the steps for replacing the existing control board with the TECKEEN Digital Control Board. Ensure the smoker is unplugged and cooled before proceeding.

1. **Disconnect Power:** Unplug your Masterbuilt electric smoker from the power outlet.
2. **Access Existing Control Board:** Carefully locate and access the existing control board on your smoker. This may involve removing a back panel or cover.
3. **Disconnect Wiring:** Disconnect all wiring harnesses and connectors from the old control board. Note their positions or take photos for reference if necessary.
4. **Remove Old Board:** Unscrew and remove the old control board from its mounting position.
5. **Install New Board:** Position the TECKEEN Digital Control Board in the same location. Use the provided screws to secure it.



Figure 5.1: Side view of the control board, illustrating the pre-drilled mounting holes for secure installation.

6. **Connect Wiring:** Reconnect the wiring harnesses and connectors to the new control board. Ensure all connections are firm and correctly seated.

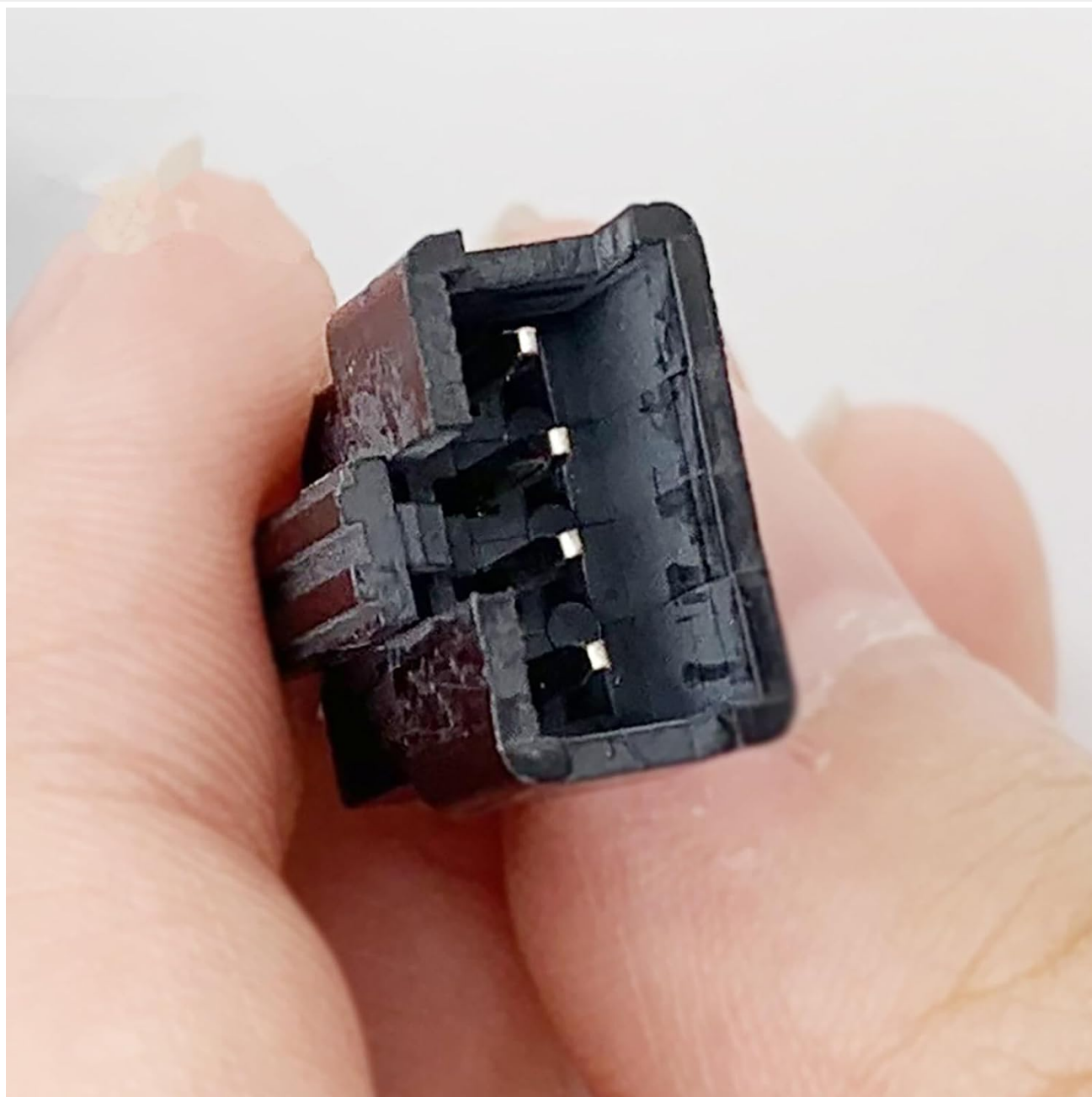


Figure 5.2: Detailed view of the electrical connector, emphasizing proper alignment for connection.

7. **Secure Panels:** Reattach any panels or covers removed during the process.
8. **Power On:** Plug the smoker back into the power outlet.

6. OPERATING INSTRUCTIONS

The TECKEEN Digital Control Board allows for precise control over your smoker's temperature and cooking time.

6.1. Setting Temperature

1. Press the **ON/OFF** button to power on the unit.
2. Press the **SET TEMP** button once. The temperature display will flash.
3. Use the + or - buttons to adjust to your desired temperature.
4. Press **SET TEMP** again to lock in the temperature. The display will stop flashing.

6.2. Setting Time

1. Press the **SET TIME** button once. The time display will flash.

2. Use the + or - buttons to adjust the desired cooking time (e.g., 1 hour, 30 minutes).
3. Press **SET TIME** again to start the cook cycle. The display will stop flashing and begin counting down.

Note: The unit will heat until the set time has expired, then it will turn off.

7. COMPATIBILITY

This TECKEEN Digital Control Board is compatible with the following Masterbuilt Electric Smoker models:

- ESQ30B
- 20070106
- 70070106
- 20070408
- 20070108
- 20070407
- 72070106
- 72070206
- 20070206
- 20070910
- 20072010
- 20070409
- 20072414
- 20070814
- 20071910
- 20071013
- 20071014
- 20077214
- ESQ30S
- 20075516
- 20071407

Please verify your smoker's model number before purchasing and installing this replacement part.

8. MAINTENANCE

The TECKEEN Digital Control Board is designed for durability and requires minimal maintenance. To ensure optimal performance and longevity:

- Keep the control panel clean and free from grease or food debris. Use a soft, damp cloth for cleaning. Do not use abrasive cleaners.
- Avoid exposing the control board to extreme temperatures or direct impact.
- Regularly inspect the wiring connections for any signs of wear or damage.

9. TROUBLESHOOTING

This section addresses common issues you might encounter with your control board.

- **Controller Shows an Error:** If the digital display shows an error message, restart the smoker control panel by

powering it off and then on again. If the error persists, ensure all connections are secure and refer to your Masterbuilt smoker's original manual for specific error codes.

- **No Power to Board:** Check the power connection to the smoker and ensure the outlet is functional. Verify that all internal wiring connections to the control board are secure.
- **Temperature Not Holding:** Ensure the smoker door is properly sealed. Check the heating element for functionality (refer to your smoker's original manual). Verify the temperature sensor connection to the control board.

10. SPECIFICATIONS

Feature	Specification
Manufacturer	TECKEEN
Item Weight	7.4 ounces
Package Dimensions	5.51 x 3.94 x 2.76 inches
Display Type	LED Digital Display
Compatibility	Masterbuilt Electric Smokers (various models)



Figure 10.1: Dimensions of the TECKEEN Digital Control Board.

11. WARRANTY AND SUPPORT

Specific warranty information for the TECKEEN Digital Control Board is not provided in the product details. For warranty claims or technical support, please contact the seller or manufacturer directly through your purchase platform. For additional assistance with your Masterbuilt electric smoker, refer to the original manufacturer's documentation or support channels.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question