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› TIROAR 3312020.000 RV Thermostat Multi-Zone Kit Instruction Manual

TIROAR 3312020

TIROAR 3312020.000 RV Thermostat Multi-Zone Kit Instruction Manual

Replacement for Dometic Comfort Control Center II (CCC2) Air Conditioners

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the TIROAR 3312020.000 RV Thermostat Multi-Zone Kit. This kit is designed as a replacement for Dometic Comfort Control Center II (CCC2) Air Conditioners.

Important: Please confirm compatibility with your specific RV air conditioner model before proceeding with installation. Refer to the "Compatibility" section for details.

COMPATIBILITY

- This multi-zone kit is a direct replacement for the Dometic Comfort Control Center II (CCC2).
- Compatible with Duo Therm 13,500 BTU and 15,000 BTU air conditioners, specifically models 57915 and 59516.
- Compatible with 10-Button Thermostats: 3314082.000 (9610005381) and 3314082.011.

PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1x TIROAR 3312020.000 Control Box
- 1x Hardware Kit (including 3100895.006 Bolts and other necessary fasteners)
- 1x 3312303.005 Freeze Control Sensor
- 1x Instruction Manual (this document)



Figure 1: Overview of the TIROAR 3312020.000 RV Thermostat Multi-Zone Kit components, including the control box, wiring, and mounting hardware.

SETUP AND INSTALLATION

Installation of the 3312020.000 Multi-Zone Kit requires careful attention to electrical wiring. If you are not comfortable with electrical work, it is recommended to seek professional assistance.

Safety Precautions:

- Always disconnect all power to the RV's air conditioning system before beginning installation.
- Ensure proper grounding.
- Follow all local electrical codes and regulations.

Installation Steps:

1. **Locate the Existing Control Box:** The new control box will replace the existing Dometic Comfort Control Center II

(CCC2) unit. Typically, this is located within the RV's ceiling assembly for the air conditioner.

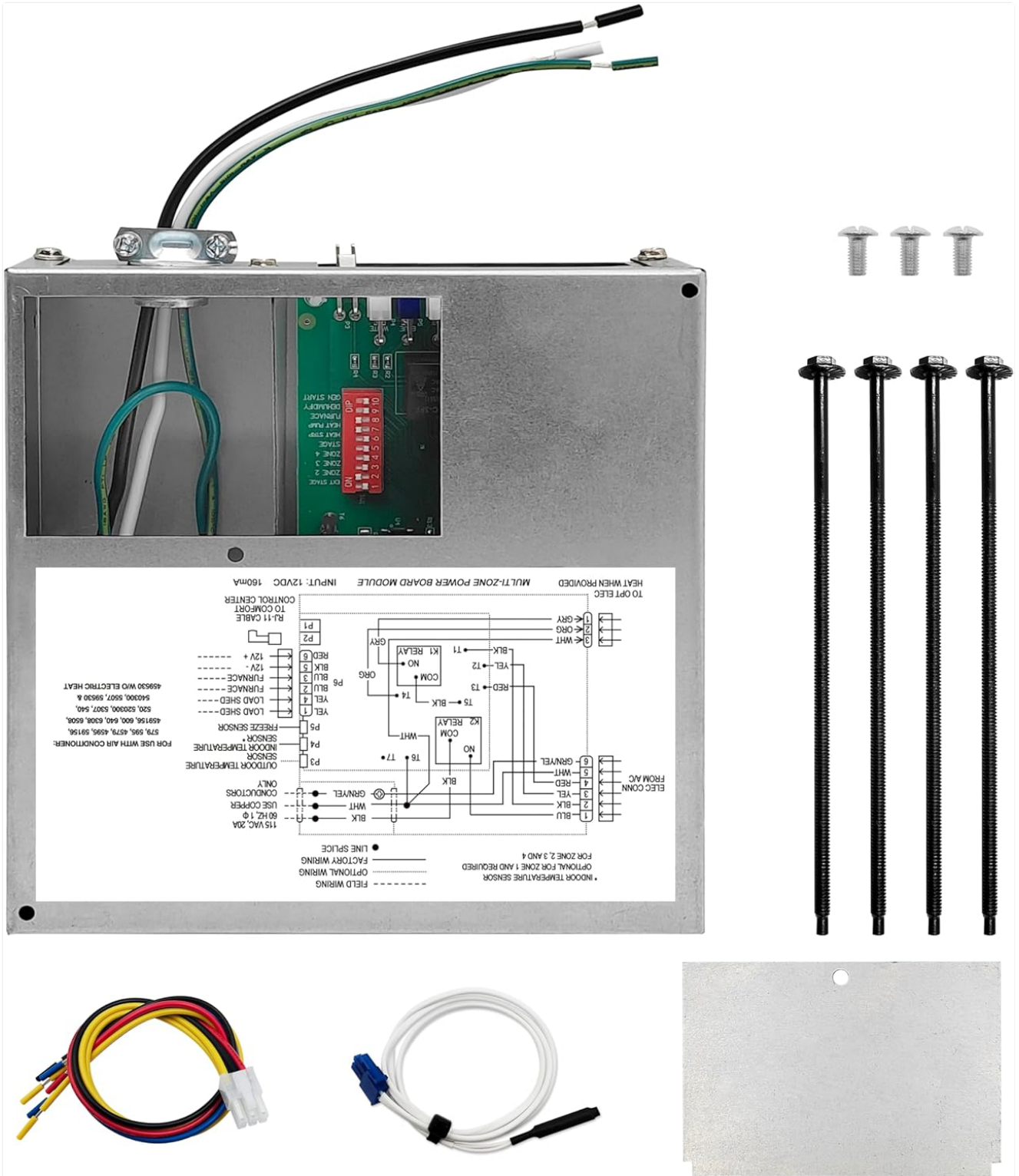


Figure 2: Example of a control box installed in an RV ceiling unit. The new unit will be installed in a similar location.

2. **Disconnect Wiring:** Carefully disconnect all wiring from the old control box. Note the position and color of each wire for correct re-connection. A wiring diagram is provided on the new control box for reference.

3312020.000

RV THERMOSTAT MULTI-ZONE KIT



Figure 3: Front view of the control box, showing the integrated wiring diagram for installation guidance.

3. **Mount the New Control Box:** Secure the new TIROAR 3312020.000 control box in the same location as the old unit using the provided hardware. Ensure it is firmly mounted to prevent vibration.

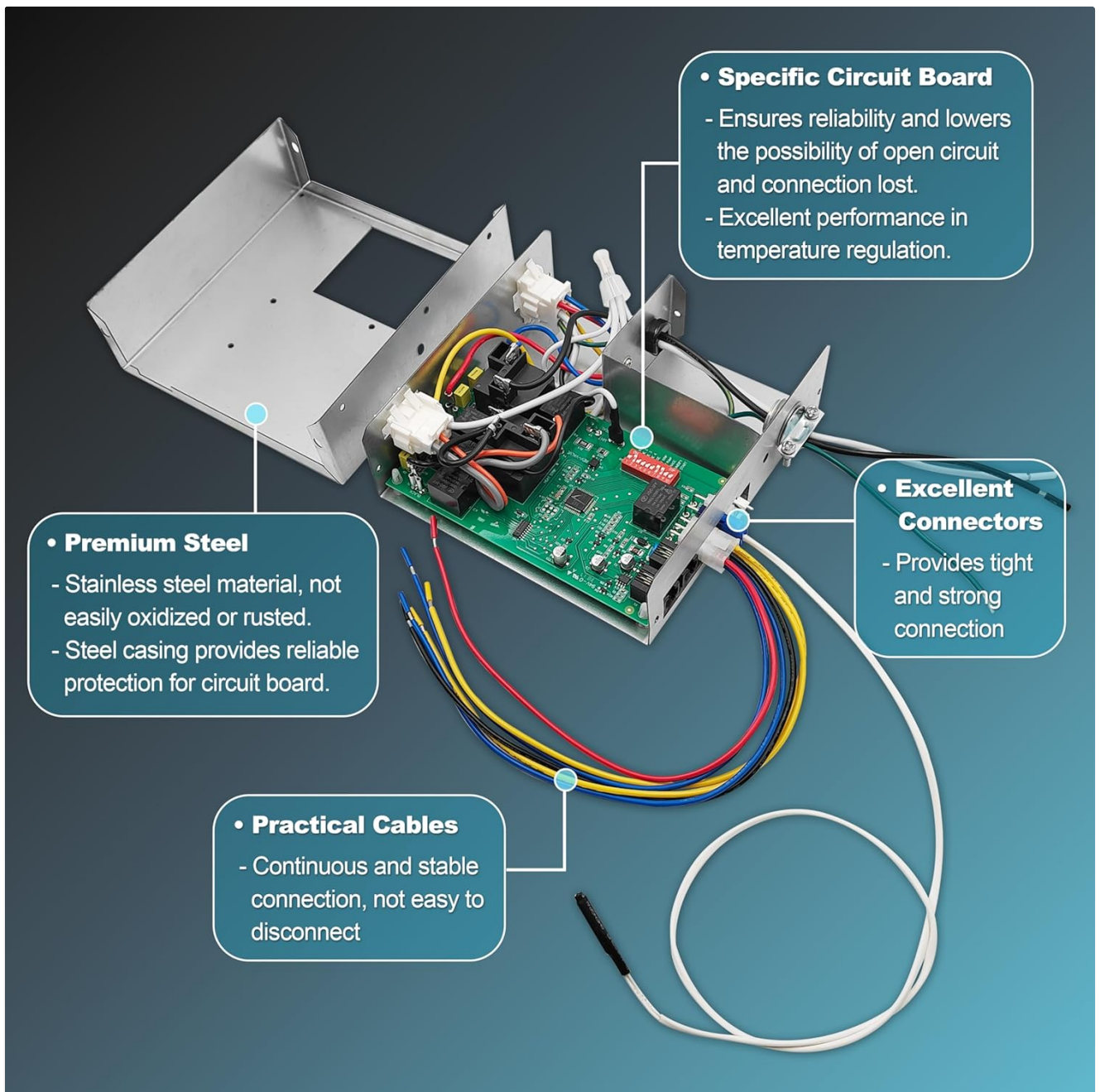


Figure 4: Rear view of the control box, illustrating the mounting points for secure installation.

- 4. Connect Wiring:** Connect the wiring to the new control box according to the wiring diagram on the unit and any previous notes. Pay close attention to the details of the wiring ports and ensure all connections are secure.

PRODUCT SIZE



Figure 5: Side view of the control box, highlighting the various wiring ports for electrical connections.

The kit includes specific wiring cables and screws for installation. Ensure these are used correctly.



Figure 6: Close-up of the wiring cables and screws provided for installation, ensuring proper connections and secure mounting.

5. **Install Freeze Control Sensor:** Connect the 3312303.005 Freeze Control Sensor as per the wiring diagram. This sensor is crucial for preventing evaporator coil freeze-up.
6. **Secure Cover:** Once all wiring is complete and verified, secure the cover of the control box.
7. **Restore Power:** Restore power to the RV's air conditioning system and test the functionality of the thermostat and air conditioner.

OPERATING INSTRUCTIONS

The TIROAR 3312020.000 Multi-Zone Kit functions as the control center for your Dometic CCC2 compatible thermostat. Operation of the air conditioning system is primarily managed through the connected 10-button thermostat (e.g., Dometic 3314082.000 or 3314082.011).

Refer to the instruction manual provided with your Dometic 10-button thermostat for specific operating procedures, including:

- Setting desired temperatures.
- Selecting operating modes (Cool, Heat Pump, Furnace, Fan).

- Adjusting fan speeds.
- Programming schedules (if applicable to your thermostat model).

The control box translates commands from the thermostat to the air conditioner and furnace units, managing multi-zone functionality and ensuring proper system operation.

MAINTENANCE

The TIROAR 3312020.000 Multi-Zone Kit is designed for reliable operation with minimal maintenance. However, periodic checks can help ensure longevity and optimal performance:

- **Visual Inspection:** Annually, or as needed, visually inspect the control box and its wiring for any signs of wear, corrosion, or loose connections. Ensure the housing is free from dust and debris.
- **Sensor Check:** Ensure the freeze control sensor is securely in place and free from obstructions.
- **Power Disconnection:** Always disconnect power before performing any inspection or maintenance.

TROUBLESHOOTING

If you experience issues with your RV's climate control system after installing the TIROAR 3312020.000 Multi-Zone Kit, consider the following:

- **No Power to Thermostat/AC Unit:**
 - Check RV's main circuit breaker and individual AC unit breakers.
 - Verify all wiring connections to the control box are secure and correctly matched according to the diagram.
 - Ensure the RV's 12V DC power supply is active, as the control box requires 12VDC input.
- **AC Unit Not Cooling/Heating Properly:**
 - Confirm the thermostat is set to the correct mode (Cool, Heat Pump, Furnace) and desired temperature.
 - Check the freeze control sensor for proper placement and connection. A faulty or improperly placed sensor can prevent cooling.
 - Verify compatibility of your AC unit and thermostat with this control box.
- **Thermostat Display Issues or Error Codes:**
 - Refer to your Dometic 10-button thermostat's manual for specific error code interpretations.
 - Ensure the RJ-11 cable connecting the thermostat to the control box is securely plugged in at both ends.
- **Fan Not Operating:**
 - Check fan speed settings on the thermostat.
 - Inspect fan wiring connections at the control box.

If troubleshooting steps do not resolve the issue, contact customer support or a qualified RV technician.

SPECIFICATIONS

| | |
|---------------------|---------|
| Brand | TIROAR |
| Model Number | 3312020 |

| | |
|----------------------------|---|
| Product Type | RV Thermostat Multi-Zone Control Box |
| Compatibility | Dometic Comfort Control Center II (CCC2) Air Conditioners, Duo Therm 13,500/15,000 BTU AC units (Models 57915, 59516), Dometic 10-Button Thermostats (3314082.000, 3314082.011) |
| Input Voltage | 12V DC (for control board operation) |
| Item Weight | 1.12 kg (2.46 lbs) |
| Package Dimensions | 8.66 x 7.2 x 3.23 inches |
| Included Components | Control Box, Hardware, Freeze Control Sensor |

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided by your retailer or the manufacturer, TIROAR. Keep your purchase receipt for warranty claims.

Manufacturer: TIROAR

