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› GREE MC20700140 Wired Controller User Manual

GREE MC20700140 (XK-19)

GREE MC20700140 Wired Controller User Manual

MODEL: MC20700140 (XK-19)

1. Introduction

This user manual provides essential information for the proper installation, operation, and maintenance of your GREE MC20700140 Wired Controller. This genuine GREE replacement part is designed to provide reliable and precise control over compatible GREE air conditioning and heating units. Please read this manual thoroughly before using the controller to ensure optimal performance and safety.

2. Product Overview

The GREE MC20700140 is a wired controller featuring a backlit LCD and intuitive push-button controls. It allows users to adjust temperature, fan settings, operating modes, and set timers for their HVAC system.



This image shows the GREE MC20700140 wired controller. The central backlit LCD displays temperature (e.g., 70°F), fan speed, and various mode icons (Auto, Turbo, Shield, Memory, Master, Save, E-Heater, Blow, CO, Quiet). Below the display are eight circular push buttons labeled 'Enter/Cancel', 'Fan', 'Mode', 'Function', 'Timer', and 'On/Off', along with up and down arrow buttons for adjustments.

Key Components:

- **Backlit LCD Display:** Shows current temperature, fan speed, operating mode, and other status indicators.
- **Push Buttons:** Dedicated buttons for 'Enter/Cancel', 'Fan', 'Mode', 'Function', 'Timer', 'On/Off', and 'Up/Down' arrows for adjustments.

3. Setup and Installation

The GREE MC20700140 is a wired controller designed for surface mounting and hardwire connection. Installation should be performed by a qualified technician to ensure proper wiring and safe operation.

Installation Steps (Professional Installation Recommended):

1. **Power Disconnection:** Ensure the main power to the HVAC unit is turned off at the circuit breaker before beginning installation.
2. **Mounting:** Securely mount the controller to a suitable wall surface using appropriate fasteners.
3. **Wiring:** Connect the controller to the indoor HVAC unit using the provided wiring according to the wiring diagram in the main HVAC unit's installation manual. This controller uses BACnet MS/TP connectivity protocol.
4. **Power Connection:** Once wiring is complete and secure, restore power to the HVAC unit.
5. **Initial Setup:** The controller should power on and display initial settings. Refer to the operating instructions for configuration.

4. Operating Instructions

Familiarize yourself with the controller's buttons and display to effectively manage your indoor climate.

Button Functions:

- **On/Off:** Press to turn the HVAC unit on or off.
- **Up/Down Arrows (▲/▼):** Adjust the desired temperature setting.
- **Mode:** Cycle through available operating modes (e.g., Cool, Heat, Fan, Auto).
- **Fan:** Adjust fan speed settings (e.g., Auto, Low, Medium, High).
- **Timer:** Set a timer for automatic on/off operations.
- **Enter/Cancel:** Confirm selections or cancel current operations.
- **Function:** Access additional functions or settings as indicated on the display.

5. Compatibility

This GREE MC20700140 Wired Controller is compatible with the following GREE indoor units:

- FLR09HP230V1AF
- FLR12HP230V1AF
- FLR18HP230V1AF
- FLR24HP230V1AF
- CAS12HP230V1AC

- CAS18HP230V1AC
- CAS24HP230V1AC
- DUCT09HP230V1AD
- DUCT12HP230V1AD
- DUCT18HP230V1AD
- DUCT24HP230V1AD

6. Specifications

Feature	Description
Brand	GREE
Model Number	MC20700140 (XK-19)
Controller Type	Wired Controller with Push Buttons
Color	White
Temperature Control Type	Manual
Connectivity Technology	Wired
Power Source	Hardwire
Voltage	230 Volts
Display Type	Backlit LCD
Control Method	Touch (Buttons)
Connectivity Protocol	BACnet MS/TP
Mounting Type	Surface Mount
Item Weight	1 Pound (approx.)
Product Dimensions	8 x 8 x 2 inches (approx.)

7. Maintenance

To ensure the longevity and proper functioning of your GREE MC20700140 Wired Controller, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the surface of the controller with a soft, dry cloth. Do not use abrasive cleaners, solvents, or excessive moisture, as this can damage the display or internal components.
- **Avoid Obstruction:** Ensure the controller's sensors (if any) are not obstructed by furniture, curtains, or other objects, as this can affect temperature readings.

8. Troubleshooting

If you encounter issues with your GREE MC20700140 Wired Controller, consider the following basic

troubleshooting steps:

- **No Display/Power:** Check the power supply to the HVAC unit and ensure the circuit breaker is on. Verify all wiring connections are secure.
- **Incorrect Temperature Reading:** Ensure the controller is not exposed to direct sunlight, drafts, or heat sources that could affect its internal sensor.
- **Unresponsive Buttons:** Gently press the buttons to ensure they are not stuck. If unresponsive, try cycling the power to the HVAC unit.
- **Communication Errors:** If the controller is not communicating with the indoor unit, check the wiring connections. Consult a professional technician if the issue persists.

For more complex issues, refer to the comprehensive troubleshooting guide in your main GREE HVAC unit's user manual or contact GREE customer support.

9. Warranty and Support

This GREE MC20700140 Wired Controller is a genuine GREE original replacement part. For specific warranty information, please refer to the documentation provided with your original GREE HVAC system or contact GREE customer support directly. GREE is committed to providing high-quality products and support.

For technical assistance, replacement parts, or further inquiries, please visit the official GREE website or contact their authorized service centers.