



Manuals.plus /

› FUCCEOGJ /

› FUCCEOGJ FH4-4CRNB Digital Counter Meter User Manual

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Model: FH4-4CRNB

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the FUCCEOGJ FH4-4CRNB Digital Counter Meter. Please read this manual thoroughly before using the device to ensure correct operation and to prevent damage.

2. PRODUCT OVERVIEW

The FUCCEOGJ FH4-4CRNB is a versatile 4-preset digital counter meter designed for industrial applications. It features a clear digital display, multiple preset capabilities, and relay output for control functions. The compact 48x48mm design allows for easy integration into control panels.



Figure 2.1: Front view of the FH4-4CRNB Digital Counter Meter. This image displays the digital display, control buttons (SET, R/CST, Up, Down), and indicator lights for PV (Process Value) and SV (Set Value), along with output status indicators.

3. SPECIFICATIONS

Feature	Specification
Model	FH4-4CRNB
Input Voltage	90-260V AC/DC
Output Type	Relay Output
Preset Capacity	4 Presets
Dimensions	48x48mm (Front Panel)
Item Weight	1.76 ounces (approximately 50 grams)
Package Dimensions	0.39 x 0.39 x 0.39 inches (1cm x 1cm x 1cm)
Assembly Required	No
Number of Pieces	1

4. SAFETY INFORMATION

- Always disconnect power before installation, wiring, or maintenance to prevent electric shock.
- Ensure wiring is performed by qualified personnel in accordance with local electrical codes.
- Do not operate the device in environments with excessive moisture, dust, corrosive gases, or high temperatures.
- Verify that the power supply voltage matches the device's specifications (90-260V AC/DC).
- Avoid strong vibrations or impacts to the device.

5. INSTALLATION

1. **Panel Mounting:** Cut a panel opening of 45x45mm (standard 1/16 DIN size) for the meter.
2. **Insert Meter:** Insert the FH4-4CRNB meter into the panel opening from the front.
3. **Secure:** Use the provided mounting brackets to secure the meter firmly in place from the rear of the panel.
4. **Wiring:** Refer to the wiring diagram in Section 6 for proper electrical connections. Ensure all connections are secure.
5. **Power On:** After verifying all connections, apply power to the device.

6. WIRING DIAGRAM

The following diagram illustrates the terminal connections for the FH4-4CRNB Digital Counter Meter. Pay close attention to the power input, relay output, and signal input terminals.



Figure 6.1: Side view of the FH4-4CRNB Digital Counter Meter showing the wiring diagram. This diagram details connections for power (90-260V AC/DC), relay output (OUT1: NC, NO, COM), reset (RST), 24V auxiliary power, and signal inputs (INA, INB, GND).

Terminal Descriptions:

- **90-260V AC/DC:** Power input terminals.
- **OUT1 (NC, NO, COM):** Relay output contacts. NC (Normally Closed), NO (Normally Open), COM (Common).
- **RST:** Reset input terminal.

- **24V:** Auxiliary 24V DC power output (for sensors, etc.).
- **INA, INB:** Signal input terminals for counting.
- **GND:** Ground terminal.

7. OPERATION

7.1. Power On

Upon applying power, the meter will perform a self-test and then display the current count (PV) and the set value (SV).

7.2. Setting Presets

1. Press the **SET** button to enter the parameter setting mode.
2. Use the **Up (▲)** and **Down (▼)** buttons to navigate through parameters or adjust values.
3. Press **SET** again to confirm a value and move to the next parameter.
4. The FH4-4CRNB supports up to 4 presets. Configure each preset value as required for your application.
5. To exit setting mode, press and hold the **SET** button, or the meter will automatically exit after a period of inactivity.

7.3. Counting Function

The meter counts pulses received at the INA/INB terminals. The current count is displayed as PV. When the PV reaches a set preset value, the corresponding relay output will activate.

7.4. Resetting the Counter

To reset the counter (PV) to zero, press the **R/CST** button on the front panel, or activate the external reset input (RST terminal).

8. MAINTENANCE

- Keep the meter clean and free from dust. Use a soft, dry cloth for cleaning.
- Regularly inspect wiring connections for looseness or damage.
- Ensure the operating environment remains within specified temperature and humidity ranges.
- No user-serviceable parts are inside. Do not attempt to open the casing.

9. TROUBLESHOOTING

9.1. Meter Does Not Power On

- Check the power supply voltage to ensure it is within the 90-260V AC/DC range.
- Verify all power wiring connections are secure and correct according to the diagram.
- Check for blown fuses in the power circuit, if applicable.

9.2. Counter Not Counting

- Ensure the signal input (INA/INB) is correctly wired and receiving pulses.
- Verify the signal source is functioning correctly and providing appropriate signals.

- Check parameter settings to ensure the counting mode is correctly configured.

9.3. Relay Output Not Activating

- Confirm that the current count (PV) has reached or exceeded the set preset value (SV).
- Check the relay output wiring for correct connections (NC, NO, COM).
- Verify that the output mode parameters are correctly configured in the settings.

10. WARRANTY AND SUPPORT

Specific warranty information for the FUCCEOGJ FH4-4CRNB Digital Counter Meter is typically provided at the point of purchase or within the product packaging. For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact your vendor or the manufacturer directly. Ensure you have your product model number (FH4-4CRNB) and purchase details available when seeking support.

11. OFFICIAL PRODUCT VIDEOS

No official product videos from the seller are available for this model at this time.