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› Quick QNC CHC Chain Counter User Manual

Quick Products FNQNCCHCF000A00

Quick QNC CHC Chain Counter User Manual

Model: FNQNCCHCF000A00

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Quick QNC CHC Chain Counter. Please read this manual thoroughly before using the device to ensure proper function and longevity. The QNC CHC is designed to provide accurate chain length measurement and windlass control for marine applications.

PRODUCT OVERVIEW



Figure 1: Quick QNC CHC Chain Counter Display. The display shows current chain movement (CHAIN UP), speed, total deployed chain (10.5m), and remaining chain (05.0m). Below the main display are capacitive control buttons, including a power button and directional indicators.

The Quick QNC CHC Chain Counter features a high-brightness 3.5" color graphic display and intuitive capacitive keys for easy operation. It provides real-time information on deployed chain length, chain speed, and remaining chain. Advanced features include automatic descent, windlass management with auto-free fall, and an up alarm function.

SETUP AND INSTALLATION

1. Mounting

Select a suitable location on your vessel for mounting the QNC CHC Chain Counter. Ensure the location provides clear visibility of the display and easy access to the capacitive keys. The unit has an extremely thin profile, allowing for flexible installation options. Secure the unit using appropriate marine-grade fasteners.

2. Electrical Connection

The QNC CHC operates on a 12/24 Vdc power supply. Connect the power cables to a stable power source on your

vessel, ensuring correct polarity. It is recommended to install an inline fuse for protection. The device also features a CAN bus Communication Interface for integration with compatible marine electronic systems.

3. Sensor Connection and Calibration

Connect the chain counter sensor (sold separately or as part of a kit) to the QNC CHC unit according to the wiring diagram provided with your sensor. After installation, calibrate the system to accurately measure chain length. This typically involves deploying a known length of chain and confirming the reading on the display. The unit can display lowered chain length in meters, feet, and fathoms, which can be configured in the settings.

OPERATING INSTRUCTIONS

1. Power On/Off

Press and hold the power button (indicated by a circle with a vertical line) on the display to turn the unit on or off. The high brightness 3.5" color graphic display will illuminate upon power-up.

2. Chain Deployment and Retrieval

- **Automatic Descent Function:** To initiate automatic chain descent, press the designated button (often the green triangular button). The system will automatically deploy the chain to a pre-set depth or until manually stopped.
- **Manual Control:** Use the red and green triangular capacitive keys to manually control the windlass for chain retrieval (up) or deployment (down). The display will show "CHAIN UP" or "CHAIN DOWN" along with the speed of deployment/retrieval.
- **Windlass Management with Auto-Free Fall:** This feature allows for rapid deployment of the anchor. Consult your windlass manual for specific integration details with the QNC CHC.

3. Display Information

The display provides critical information:

- **Deployed Chain Length:** Shows the total length of chain currently deployed, in meters, feet, or fathoms, as configured.
- **Chain Speed:** Indicates the speed at which the chain is being deployed or retrieved (e.g., 15.0 m/min).
- **Remaining Chain:** Displays the length of chain remaining in the locker, if the system is configured with a total chain length.
- **Up Alarm Function:** An audible and/or visual alarm will activate when the anchor is nearing its fully retrieved position.

4. Advanced Features

- **Anchor Weighing Function:** In case of sensor failure, the unit may offer an alternative method to estimate anchor position. Refer to the detailed settings menu for activation and usage.
- **Multilingual User Interface:** The QNC CHC supports multiple languages. Navigate to the settings menu to select your preferred language.

MAINTENANCE

The Quick QNC CHC Chain Counter is designed for durability in marine environments. It features a glass front and a protection rating of IP67, making it resistant to dust and water immersion.

- **Cleaning:** Regularly wipe the display and casing with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the glass front or plastic material.
- **Environmental Conditions:** The unit is designed to function over a wide range of environmental temperatures.

However, prolonged exposure to extreme temperatures or direct sunlight when not in use should be minimized to preserve display longevity.

- **Connections:** Periodically check all electrical and sensor connections for corrosion or looseness. Ensure all cable glands are properly sealed to maintain the IP67 rating.

TROUBLESHOOTING

If you encounter issues with your Quick QNC CHC Chain Counter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display is blank or not powering on.	No power, loose connection, blown fuse.	Check power supply, inspect wiring connections, replace fuse if necessary. Ensure the power button is pressed correctly.
Incorrect chain length reading.	Sensor malfunction, incorrect calibration, debris in sensor.	Recalibrate the chain counter. Inspect the sensor for damage or obstruction. Check sensor wiring.
Buttons unresponsive.	Software glitch, moisture on capacitive keys.	Restart the unit. Ensure the display surface is clean and dry.
CAN bus communication error.	Wiring issue, incompatible device, software conflict.	Verify CAN bus wiring. Consult the manual for compatible devices. Update firmware if available.

For issues not covered here, or for advanced diagnostics, please contact Quick Products customer support.

SPECIFICATIONS

Feature	Detail
Model Name	FNQNCCHCF000A00
Part Number	FNQNCCHCF000A00-QUI
Manufacturer	Quick
Display	High brightness 3.5" color graphic display
Control Interface	Capacitive keys
Power Supply	12/24 Vdc
Protection Rating	IP67
Material	Plastic, Glass front
Item Weight	270 Grams (0.6 lbs)
Package Dimensions	9 x 6 x 3 inches
Special Features	Anchor weighing function (sensor failure), Automatic descent, CAN bus, Multilingual UI, Up alarm, Windlass management with auto-free fall.

WARRANTY INFORMATION

The Quick QNC CHC Chain Counter comes with a manufacturer's warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the warranty documentation included with your product packaging or visit the official Quick Products website. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or spare parts inquiries, please contact Quick Products customer support. You can typically find contact information on the manufacturer's website or in your product documentation.

Quick Products is committed to providing high-quality marine equipment and support.