

EDRIWYIM TPC1031Ki

EDRIWYIM MCGS TPC Series 10-inch HMI Touch Screen TPC1031Ki User Manual

Model: TPC1031Ki

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your EDRIWYIM MCGS TPC Series 10-inch HMI Touch Screen, model TPC1031Ki. Please read this manual thoroughly before using the device to ensure safe and efficient operation. This Human Machine Interface (HMI) is designed for industrial control applications, offering a visual interface for monitoring and controlling processes.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury and damage to the device:

- Ensure the power supply voltage matches the device's requirements.
- Do not expose the device to excessive moisture, dust, or extreme temperatures.
- Avoid placing the device in direct sunlight or near heat sources.
- Only qualified personnel should perform installation and maintenance.
- Disconnect power before cleaning or servicing the device.
- Do not attempt to open or modify the device; this will void the warranty.

3. PACKAGE CONTENTS

Upon unpacking, verify that all items are present and undamaged:

- EDRIWYIM MCGS TPC Series 10-inch HMI Touch Screen (TPC1031Ki)
- Mounting hardware (e.g., clips, screws)
- Power connector
- User Manual (this document)

If any items are missing or damaged, please contact your supplier immediately.

4. PRODUCT OVERVIEW

The TPC1031Ki is a 10-inch Human Machine Interface (HMI) touch screen designed for robust industrial applications. It features a clear display and responsive touch functionality, enabling intuitive interaction with control systems. The device is housed in a durable casing suitable for various operating environments.



Image 1: The EDRIWYIM MCGS TPC Series 10-inch HMI Touch Screen (TPC1031Ki) shown resting on its brown cardboard packaging box. The screen is visible from the top, displaying its sleek, industrial design.

5. SETUP

1. **Mounting:** Carefully install the HMI into the designated panel cutout using the provided mounting hardware. Ensure a secure fit to prevent vibration.
2. **Power Connection:** Connect the power cable to the HMI's power input terminal. Ensure the power source is stable and within the specified voltage range.
3. **Communication Connections:** Connect necessary communication cables (e.g., Ethernet, serial) to integrate the HMI with your control system. Refer to your system's documentation for specific port assignments.
4. **Initial Power-Up:** Apply power to the HMI. The device should boot up and display the initial interface.
5. **Configuration:** Follow the on-screen prompts or refer to the software documentation for initial configuration, including network settings, display calibration, and project loading.

6. OPERATING INSTRUCTIONS

The TPC1031Ki HMI operates primarily through its touch-sensitive screen. Specific operational procedures will depend on the application software loaded onto the device. General operating principles include:

- **Touch Interaction:** Use your finger or a suitable stylus to interact with on-screen buttons, sliders, and input fields.
- **Navigation:** Tap on menu items or navigation buttons to move between different screens or functions within the application.
- **Data Entry:** When prompted, use the on-screen keyboard to input numerical or textual data.
- **Monitoring:** Observe real-time data, graphs, and status indicators displayed on the screen to monitor your industrial process.
- **Control:** Activate or deactivate processes, adjust parameters, and acknowledge alarms by interacting with the appropriate on-screen controls.

For detailed operation of specific applications, consult the software documentation provided by your system integrator or software developer.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your HMI:

- **Cleaning the Screen:** Gently wipe the touch screen with a soft, lint-free cloth. For stubborn marks, use a mild, non-abrasive screen cleaner. Do not spray cleaner directly onto the screen.
- **Casing Cleaning:** Clean the device casing with a soft, damp cloth. Avoid harsh chemicals or abrasive materials.
- **Environmental Checks:** Periodically check the operating environment to ensure it remains within the specified temperature and humidity ranges.
- **Firmware Updates:** If available, regularly update the HMI's firmware to benefit from performance improvements and security enhancements. Follow manufacturer guidelines for firmware updates.

8. TROUBLESHOOTING

If you encounter issues with your HMI, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	No power supply; faulty power cable; internal fault.	Check power connections and source. Replace power cable if damaged. If problem persists, contact support.
Touch screen unresponsive.	Screen calibration issue; software freeze; physical damage.	Restart the device. Re-calibrate the touch screen if an option is available. Inspect for physical damage.
Display is blank or distorted.	Power issue; cable connection issue; software error.	Check power and video cable connections. Restart the device. Ensure correct resolution settings.
Communication errors.	Incorrect network settings; faulty communication cable; incompatible protocol.	Verify network settings (IP address, subnet mask). Check communication cables. Ensure HMI and connected device use compatible protocols.

If these solutions do not resolve the issue, please contact technical support.

9. SPECIFICATIONS

Feature	Detail
Model Number	TPC1031Ki
Display Size	10 inch
Type	HMI Touch Screen
Brand	EDRIWYIM
Package Dimensions	11.81 x 7.87 x 3.94 inches
Item Weight	1.76 ounces
Assembly Required	No
Number of Pieces	1

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact your vendor. Keep your purchase receipt as proof of purchase for warranty claims. For technical assistance, provide your product model number (TPC1031Ki) and a detailed description of the issue.

Manufacturer: EDRIWYIM