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## Schneider Electric MTN6215-0410

# KNX 4-inch Touch Screen User Manual

Model: MTN6215-0410

## 1. INTRODUCTION

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This manual provides essential information for the installation, operation, and maintenance of your KNX 4-inch Touch Screen. This device offers intuitive control over various smart home functions, featuring 9 customizable views and an integrated temperature sensor for precise climate management. Please read this manual thoroughly before using the product to ensure proper function and safety.

## 2. SAFETY INFORMATION

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Always adhere to the following safety guidelines to prevent damage to the device or personal injury:

- Installation should only be performed by qualified personnel in accordance with local electrical codes and regulations.
- Ensure the power supply is disconnected before any installation, wiring, or maintenance procedures.
- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself. Contact qualified service personnel for assistance.
- Use only accessories and components specified by the manufacturer.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- KNX 4-inch Touch Screen Unit
- Integrated Temperature Sensor (part of the unit)
- Installation Guide / Quick Start Guide
- Mounting Hardware

## 4. PRODUCT FEATURES

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The KNX 4-inch Touch Screen offers advanced functionalities for smart home control:

- **Intuitive Control and Convenience:** Provides users with 9 customizable views and 6 functions in each stage, making smart home control comfortable and enjoyable.
- **Precise Climate Management:** The integrated temperature sensor provides accurate measurements to ensure optimal comfort and energy efficiency through automatic adjustments.
- **Seamless KNX Integration:** Compatible with various KNX systems, allowing for easy integration into existing infrastructure and seamless communication.

## 5. SETUP AND INSTALLATION

This section outlines the general steps for installing the KNX 4-inch Touch Screen. For detailed wiring diagrams and specific mounting instructions, refer to the separate installation guide provided with the product.

1. **Preparation:** Ensure the power supply to the installation area is turned off at the main circuit breaker. Identify a suitable location on the wall, away from direct heat sources or drafts, for optimal temperature sensing.
2. **Mounting:** Secure the mounting bracket (if separate) to the wall using appropriate screws and wall plugs. Ensure it is level and firmly attached.
3. **Wiring:** Connect the KNX bus cable and the 24V DC power supply cable to the designated terminals on the back of the touch screen. Pay close attention to polarity and ensure all connections are secure. The device uses a wired connection for communication and power.
4. **Attachment:** Carefully attach the touch screen unit to the mounted bracket, ensuring it clicks securely into place.
5. **Power On:** Restore power to the circuit. The device should power on and display the initial setup screen.



Figure 5.1: Rear view of the touch screen, illustrating the KNX bus and DC24V power connection points. This view is crucial for proper wiring during installation.



Figure 5.2: Side profile of the touch screen, highlighting its compact dimensions and the mechanism for wall mounting.

## 6. OPERATING INSTRUCTIONS

The KNX 4-inch Touch Screen is designed for intuitive interaction. Follow these steps to operate your device:

1. **Power On/Off:** The device is typically always on when connected to power. A power icon on the screen may allow for screen standby or system restart.
2. **Navigating Views:** Swipe left or right on the screen to cycle through the 9 customizable views. Each view can be configured to display different functions (e.g., lighting, climate, blinds, scenes).
3. **Controlling Functions:** Tap on the desired function icon to activate or adjust it. For example, tap a light icon to toggle lights, or use sliders for dimming.
4. **Temperature Control:** The integrated temperature sensor provides real-time room temperature readings. Access the climate control view to adjust the setpoint, mode (heating/cooling), and fan speed. The system will automatically adjust based on your settings and the sensor data.
5. **Customization:** Refer to the advanced configuration guide (if applicable) or your KNX system integrator for details on customizing the 9 views and 6 functions to suit your specific needs.



Figure 6.1: The touch screen interface showing a color selection wheel for RGBW lighting, demonstrating one of the customizable control views.

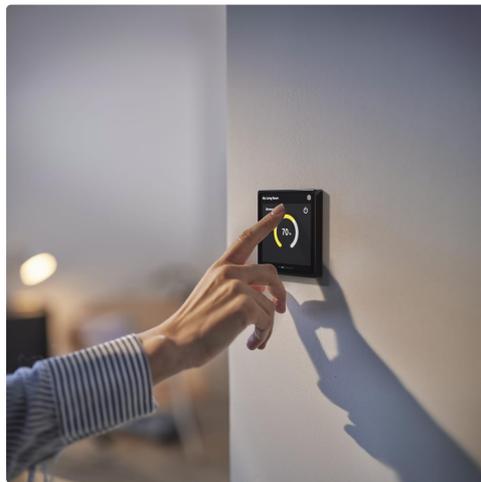


Figure 6.2: A user interacting with the touch screen on a wall, demonstrating the ease of adjusting settings like dimming levels.

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your touch screen, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the screen and casing. For stubborn smudges, slightly dampen the cloth with water or a mild, non-abrasive screen cleaner. Do not use harsh chemicals, abrasive cleaners, or spray liquids directly onto the device.
- **Dust Accumulation:** Regularly dust the device to prevent accumulation, especially around ventilation openings (if any), to ensure proper heat dissipation.
- **Software Updates:** Periodically check with your KNX system integrator or Schneider Electric's official website for any available firmware or software updates. Updates can improve performance, add new features, or address bugs.

## 8. TROUBLESHOOTING

If you encounter issues with your KNX 4-inch Touch Screen, refer to the table below for common problems and their solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Screen is unresponsive or blank.	No power, loose connection, software error.	Check power supply and KNX bus connection. Restart the device by cycling power if possible. If problem persists, contact support.
Incorrect temperature readings.	Sensor obstructed, device near heat/cold source, calibration needed.	Ensure no objects are blocking the sensor. Relocate if near a vent or window. Consult your KNX integrator for calibration.
Cannot control devices.	KNX communication issue, device not configured correctly.	Verify KNX bus connection. Ensure the device is properly addressed and configured within your KNX system. Contact your KNX integrator.
Touch screen gestures not working.	Screen dirty, temporary software glitch.	Clean the screen thoroughly. Restart the device.

If the problem persists after attempting these solutions, please contact Schneider Electric customer support or your certified KNX system integrator.

## 9. SPECIFICATIONS

Attribute	Detail
Product Dimensions	10 x 10 x 10 cm
Batteries Required	No
Included Components	Temperature Sensor
ASIN	B0CV7V76QL
Item Model Number	MTN6215-0410
First Available Date	July 29, 2024
Brand	Schneider Electric
Control Tool Type	Touch
Color	Black
Temperature Control Type	Digital
Connectivity Technology	Wired
Power Source	Corded Electric
Voltage	30 Volts
Display Type	Touchscreen

Attribute	Detail
Control Type	Button Control

## 10. WARRANTY AND SUPPORT

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For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official Schneider Electric website. For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact Schneider Electric customer service or your authorized KNX system integrator.

**Schneider Electric Official Website:** [www.se.com](http://www.se.com)