

Zennio ZVI-Z35-GW

ZENNIO ZVI-Z35-GW User Manual

Capacitive Touch Panel with 3.5" KNX Display

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the ZENNIO ZVI-Z35-GW capacitive touch panel. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

The ZVI-Z35-GW is a 3.5-inch capacitive touch display designed for KNX systems, featuring a backlit screen, proximity sensor, internal temperature sensor, and thermostat function for two independent heating circuits. It supports up to 42 commands/indicators across 7 pages with a navigation menu. The device also includes a screensaver with date, time, and/or temperature in standby mode, reactivated by the integrated proximity sensor. Automatic display brightness adjustment is managed by a light sensor. Additionally, the Z35 is equipped with analog-digital inputs configurable as binary inputs for sensors and potential-free buttons, as a temperature sensor, or as a motion detector.

2. PRODUCT OVERVIEW



Figure 2.1: Front view of the ZENNIO ZVI-Z35-GW touch panel, showing the main interface with controls for heating, lighting, blinds, and multimedia. The display shows time, room temperature, and various operational modes.



Figure 2.2: Front view of the ZENNIO ZVI-Z35-GW touch panel, illustrating the color selection interface. This feature allows users to choose specific colors, likely for RGB lighting control within the KNX system.

Key Features:

- 3.5-inch Capacitive Touch Display with Backlight
- Integrated Proximity Sensor for automatic screen activation
- Internal Temperature Sensor and Thermostat Function for 2 independent heating circuits
- Automatic Display Brightness Adjustment via Light Sensor
- Up to 42 Commands/Indicators across 7 customizable pages

- Analog-Digital Inputs configurable for binary sensors, potential-free buttons, temperature sensors, or motion detectors
- Screensaver with Date, Time, and Temperature display

3. SETUP AND INSTALLATION

The ZVI-Z35-GW is designed for flush-mounted installation. Ensure all power is disconnected before beginning installation.

3.1. Safety Precautions

- Installation must be performed by qualified personnel in accordance with local electrical codes.
- Disconnect power to the KNX bus and any connected circuits before installation or maintenance.
- Do not expose the device to moisture or extreme temperatures.

3.2. Mounting

1. Prepare a standard flush-mounted box in the desired wall location.
2. Connect the KNX bus cable to the device's KNX terminal.
3. Connect any external sensors or potential-free contacts to the analog-digital inputs as required by your system design.
4. Carefully insert the device into the flush-mounted box and secure it using the provided screws or mounting clips.
5. Attach the front frame and display panel, ensuring it clicks securely into place.

3.3. Initial Power-Up

After physical installation, restore power to the KNX bus. The device will power on and display the initial boot screen. Configuration of the device's functions and pages is performed using the ETS (Engineering Tool Software) for KNX systems.

4. OPERATING INSTRUCTIONS

The ZVI-Z35-GW operates through its capacitive touch screen. Navigation and control are designed for ease of use.

4.1. Screen Navigation

- **Page Swiping:** Swipe horizontally across the screen to navigate between the 7 available pages.
- **Icon Tapping:** Tap on icons to activate commands, toggle states (e.g., lights on/off), or access sub-menus.
- **Proximity Sensor:** The screen will automatically activate from screensaver mode when a hand approaches the device.

4.2. Thermostat Function

The integrated thermostat allows control of two independent heating circuits. Access the thermostat page to:

- View current room temperature.
- Adjust target temperature setpoints.
- Select operating modes (e.g., Comfort, Standby, Night, Frost Protection).

4.3. Brightness Control

The display brightness automatically adjusts based on ambient light detected by the light sensor. Manual adjustment options may be available through configuration in ETS.

4.4. Screensaver

When idle, the device enters screensaver mode, displaying configurable information such as date, time, and temperature. The proximity sensor will reactivate the full display upon approach.

5. MAINTENANCE

The ZVI-Z35-GW requires minimal maintenance to ensure optimal performance.

5.1. Cleaning

- Use a soft, dry, lint-free cloth to clean the screen and housing.
- For stubborn marks, slightly dampen the cloth with water. Do not use abrasive cleaners, solvents, or alcohol-based solutions, as these can damage the surface.
- Ensure no liquid enters the device openings.

5.2. Firmware Updates

Firmware updates may be released periodically by Zennio to improve functionality or address issues. These updates are typically performed via the ETS software. Refer to Zennio's official website or support documentation for the latest firmware and update procedures.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is off / No power	No power to KNX bus; Incorrect wiring; Device fault.	Check KNX bus power supply. Verify wiring connections. If problem persists, contact support.
Touch screen unresponsive	Temporary software glitch; Screen dirty; Device fault.	Restart the KNX bus power. Clean the screen. If unresponsive, contact support.
Incorrect temperature readings	Sensor calibration needed; Device placed near heat source/draft.	Check ETS configuration for sensor calibration. Ensure device is not in an area with extreme temperature fluctuations.
Automatic brightness not working	Light sensor obstructed; Feature disabled in ETS.	Ensure the light sensor area is clear. Verify automatic brightness is enabled in ETS.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Zennio technical support.

7. SPECIFICATIONS

- **Model:** ZVI-Z35-GW

- **Display Type:** LCD Capacitive Touch Screen
- **Screen Size:** 3.5 inches
- **Resolution:** HVGA (Max 640 x 480)
- **Aspect Ratio:** 16:9
- **Contrast Ratio:** 2000:1
- **Color:** Black (other colors may be available)
- **Sensors:** Proximity Sensor, Internal Temperature Sensor, Light Sensor
- **Functions:** Thermostat (2 independent circuits), Screensaver, Analog-Digital Inputs
- **Connectivity:** KNX Bus
- **Power Supply:** Via KNX Bus

8. WARRANTY AND SUPPORT

8.1. Warranty Information

Zennio products are covered by a limited warranty against defects in materials and workmanship. The specific warranty period and terms may vary by region. Please refer to the official Zennio website or your local distributor for detailed warranty information.

8.2. Technical Support

For technical assistance, product inquiries, or troubleshooting beyond this manual, please contact Zennio technical support:

- **Website:** www.zennio.com (Check for local contact information and support resources)
- **Email:** Refer to the website for specific support email addresses.
- **Phone:** Refer to the website for specific support phone numbers.

When contacting support, please have your product model (ZVI-Z35-GW) and a detailed description of the issue ready.

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Documents - Zennio – ZVI-Z35-GW

no relevant documents