Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

AEDNX AEDNX0497

User Manual for AEDNX Intelligent Controller

Model: AEDNX0497

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of the AEDNX Intelligent Controller, model AEDNX0497. This device is designed to be compatible with Honeywell ProWatch PW7K1IC and PW-7000 Series Intelligent Controllers, serving as a critical component in advanced access control and security systems. Please read this manual thoroughly before attempting any installation or operation to ensure proper functionality and safety.

Safety Information

Always observe the following safety precautions:

- **Electrostatic Discharge (ESD) Protection:** This device is sensitive to electrostatic discharge. Always handle the controller board by its edges and use appropriate ESD protective measures, such as an anti-static wrist strap and a grounded work surface, when unpacking or installing.
- **Power Disconnection:** Ensure all power sources are disconnected before installing, servicing, or removing the controller.
- **Qualified Personnel:** Installation and servicing should only be performed by qualified and trained personnel.
- **Environmental Conditions:** Operate the device within specified environmental limits (temperature, humidity) to prevent damage.
- **Proper Wiring:** Follow all wiring diagrams and local electrical codes to prevent electrical hazards.



Figure 1: The AEDNX Intelligent Controller board as received in its anti-static packaging, featuring an ESD warning label. This packaging protects the sensitive electronic components from electrostatic discharge during transit and handling.

Setup

1. Unpacking and Inspection

Carefully remove the controller from its packaging. Inspect the device for any signs of physical damage. If damage is found, do not proceed with installation and contact your supplier.

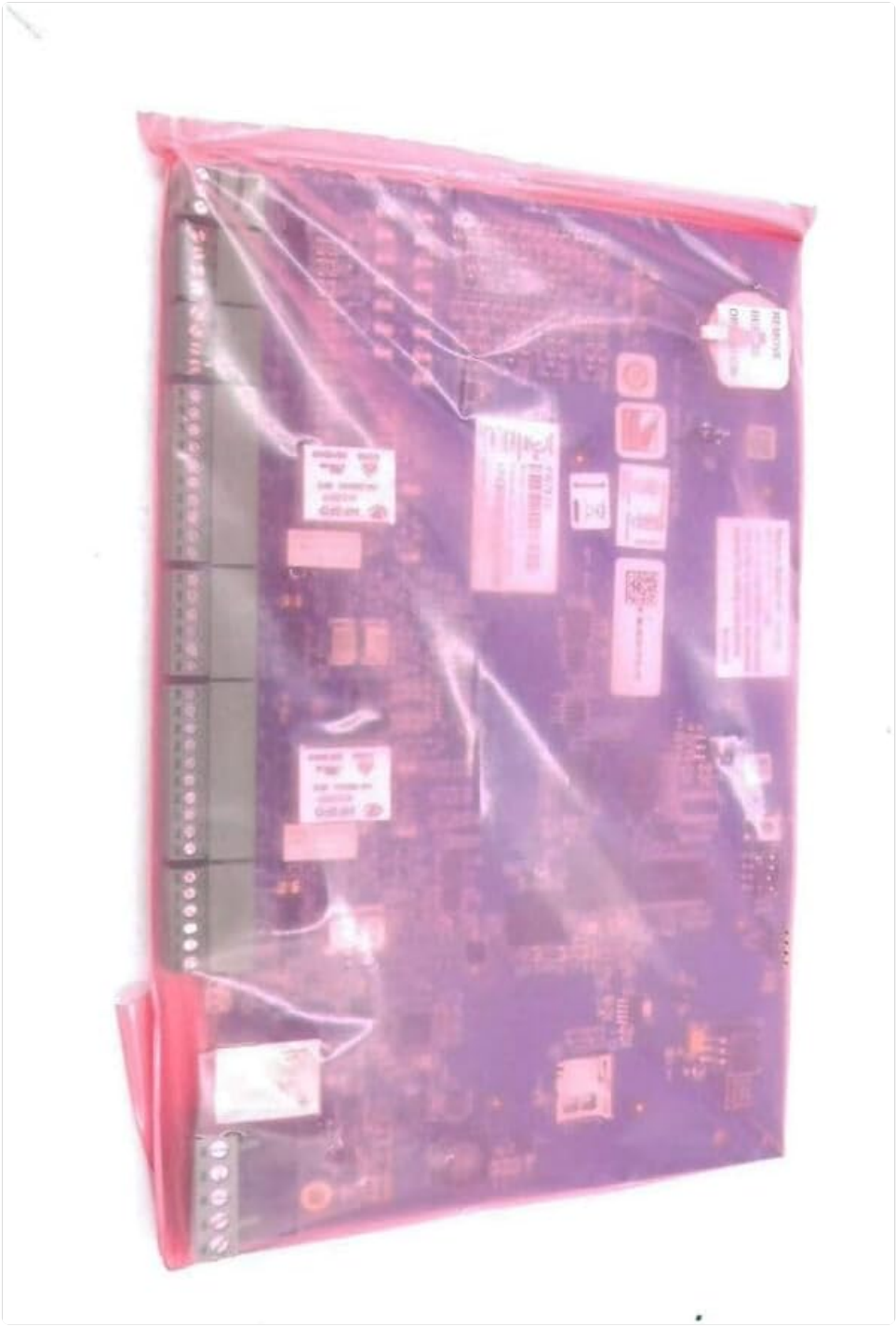


Figure 2: A different angle of the AEDNX Intelligent Controller board, still enclosed in its protective anti-static bag. This view highlights the various components and connectors on the board, which are crucial for its integration into a security system.

2. Mounting the Controller

The controller is designed for secure mounting within an appropriate enclosure, typically a control panel or rack. Ensure adequate ventilation around the unit. Use non-conductive standoffs and screws to secure the board, preventing short circuits.

3. Wiring Connections

Refer to the system's overall wiring diagram for specific connections. The controller features clearly labeled terminals for power input, communication interfaces (e.g., RS-485, Ethernet), and input/output connections for sensors, readers, and locks. Ensure all connections are secure and correctly polarized.

- **Power:** Connect to a stable 12V DC power supply. Observe polarity.
- **Communication:** Connect to the host system via the designated communication port.
- **Inputs/Outputs:** Connect field devices as per system design.

4. Initial Power-Up

After all connections are verified, apply power to the controller. Observe the status indicator LEDs. A successful power-up will typically show a steady power LED and blinking communication LEDs indicating activity.

Operating

The AEDNX Intelligent Controller operates as an interface between field devices and the central access control system. Its operation is primarily managed through the connected Honeywell ProWatch software or compatible system.

Status Indicators

LED Indicator	Status	Description
PWR	Solid Green	Indicates stable power supply.
COMM	Blinking Green	Indicates active communication with the host system.
FAULT	Solid Red	Indicates a system fault or error. Refer to troubleshooting.

System Integration

Once powered and connected, the controller should be recognized by the Honeywell ProWatch software. Follow the software's instructions for device discovery, configuration, and programming of access rules, schedules, and user credentials.

Maintenance

The AEDNX Intelligent Controller is designed for reliable, long-term operation with minimal maintenance. However, periodic checks can help ensure optimal performance.

- **Cleaning:** Keep the controller and its enclosure free from dust and debris. Use a soft, dry cloth for cleaning. Do not use liquid cleaners or solvents.
- **Connection Checks:** Periodically inspect all wiring connections to ensure they remain secure and free from corrosion.
- **Firmware Updates:** Consult the Honeywell ProWatch system documentation or AEDNX support for information on available firmware updates for the controller. Updates should only be performed as directed by official instructions.
- **Environmental Monitoring:** Ensure the operating environment remains within the specified temperature and humidity ranges.

Troubleshooting

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
No Power (PWR LED Off)	No power supply, incorrect wiring, faulty power supply.	Check power connections, verify power supply output, ensure correct polarity.
No Communication (COMM LED Off/Irregular)	Incorrect communication wiring, host system issue, incorrect network settings.	Verify communication cable integrity, check host system status, confirm network configuration.
FAULT LED On	Internal error, hardware malfunction, severe configuration issue.	Power cycle the device. If the issue persists, consult the Honeywell ProWatch system logs or contact technical support.

Problem	Possible Cause	Solution
Device Not Recognized by Software	Incorrect device address, network conflict, software configuration error.	Verify device ID/address settings, check for IP conflicts, review software device discovery procedures.

If you encounter issues not covered here, or if solutions do not resolve the problem, please refer to the Honeywell ProWatch system documentation or contact AEDNX technical support.

Specifications

Model Number: AEDNX0497

Manufacturer: AEDNX

ASIN: B0F1VCFLFJ

Compatibility: Honeywell ProWatch PW7K1IC, PW-7000 Series Intelligent Controllers

Date First Available: March 18, 2025

Power Input: Typically 12V DC (refer to device labeling for exact requirements)

Operating Temperature: Consult product datasheet for specific range.

Dimensions: Consult product datasheet for specific dimensions.

© 2025 AEDNX. All rights reserved. Information in this manual is subject to change without notice.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0F1VCFLFJ

More documents and user manuals: **https://manuals.plus/**